Interim Action Report

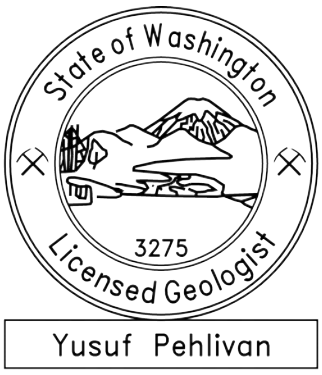
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington
Facility Site ID: 73338176
Cleanup Site ID: 6584

Farallon PN: 1071-026

January 14, 2026

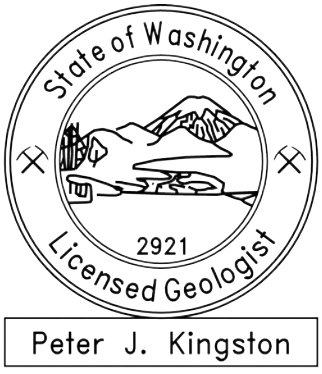
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ACRONYMS AND ABBREVIATIONS

Administrative Order	Administrative Order Docket No. 18101
ARI	Analytical Resources, Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
COPCs	contaminants of potential concern
cPAHs	carcinogenic polycyclic aromatic hydrocarbons
CSWGP	National Pollution Discharge Elimination System Construction Stormwater General Permit WAR308823
DRO	total petroleum hydrocarbons as diesel-range organics
DMR	Discharge Monitoring Report
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
Farallon	Farallon Consulting, L.L.C.
GRO	total petroleum hydrocarbons as gasoline-range organics

IADR	Interim Action Design Report dated April 2, 2020, prepared by Farallon
IAWP	Interim Action Work Plan dated December 13, 2019, prepared by Farallon
IAPR	Interim Action Progress Report dated November 18, 2022, prepared by Farallon
LDW	Lower Duwamish Waterway
mg/kg	milligrams per kilogram
MTCA	Washington State Model Toxics Control Act Cleanup Regulation
ORO	total petroleum hydrocarbons as oil-range organics
PCBs	polychlorinated biphenyls
PCS	petroleum-contaminated soil
PCUL	preliminary cleanup level
PQL	practical quantitation limit
Prologis	Prologis-Exchange 3301 South Norfolk LLC
Property	at 3301 South Norfolk Street in Seattle/Tukwila, Washington
RL	remediation level
Site	Emerald Gateway Site consisiting of the property at 3301 South Norfolk Street and a portion of the west-adjoining East Marginal Way right-of-way.
UST	underground storage tank
VPH	volatile petroleum hydrocarbons
WAC	Washington Administrative Code
WSDOT	Washington State Department of Transportation

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Interim Action Report on behalf of Prologis-Exchange 3301 South Norfolk LLC (Prologis) to document the completed interim action for the Emerald Gateway Site in Seattle and Tukwila, Washington (the Site) (Figure 1). The Site consists of the property at 3301 South Norfolk Street and a portion of the west-adjoining East Marginal Way right-of-way. This Interim Action Report was prepared to meet the requirements of Agreed Order No. DE 16659 (Agreed Order) between Prologis and the Washington State Department of Ecology (Ecology). The Interim Action Work Plan (IAWP) dated September 18, 2019, prepared by Farallon (Farallon 2019) was included as Exhibit D of the Agreed Order.

An Interim Action Design Report (IADR) dated April 2, 2020, prepared by Farallon (Farallon 2020) was approved by Ecology and include specific details pertaining to implementation of the interim action. The interim action was designed to be implemented in conjunction with redevelopment of the Site by Prologis. A Interim Action Progress Report (IAPR) dated November 18, 2022, prepared by Farallon (Farallon 2022) documented the interim action activities conducted at the Site between June 2020 and April 2022. This Interim Action Report summarizes the interim action activities completed between April 2022 and March 2025. Specifically, the soil and groundwater conditions encountered during the interim action, stormwater management conducted during the interim action, and stormwater infrastructure improvements constructed during Site redevelopment.

The completed interim action activities documented herein are consistent with the cleanup requirements of the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), as established in Chapter 173-340 of the Washington Administrative Code (WAC 173-340).

This Interim Action Report completes the Agreed Order requirements for the interim action for the Site. Given that redevelopment activities are anticipated to continue through May 2026, any additional contamination discovered during those activities will be addressed as an interim action in accordance with the IAWP and IADR. If further interim actions are completed, the results will be documented in the Remedial Investigation Report. The final cleanup action will be selected by Ecology and documented in a Cleanup Action Plan following completion of the Remedial Investigation (RI), Feasibility Study (FS), and Preliminary Draft Cleanup Action Plan (DCAP).

1.1 PURPOSE AND OBJECTIVE

The purpose of the interim action was to eliminate and/or reduce the threat to human health and the environment during Site redevelopment by removing impacted media from areas exceeding the interim action remediation levels (RLs). The purpose of conducting the interim action in conjunction with Site redevelopment was to complete cleanup activities to the maximum extent practicable prior to construction of new buildings, since much of the Site would become inaccessible for additional excavation following redevelopment. Components of the interim action included characterization and excavation of soil impacted with petroleum hydrocarbons and carcinogenic polycyclic aromatic hydrocarbons (cPAHs), and installation of a new stormwater conveyance and treatment system for the development. In addition, the interim action included limited characterization and excavation of soil impacted with polychlorinated biphenyls (PCBs) and/or metals, including lead and/or copper, which were not identified as contaminants of potential concern (COPCs) in the IAWP or IADR. All COPCs for the Site will be identified in Remedial Action Work Plan and subsequent documents.

The objective of the interim action was to conduct MTCA-compliant cleanup activities to the maximum extent practicable in conjunction with Site redevelopment to minimize the need for additional investigation and/or cleanup following completion of Site redevelopment. The interim action was included as a component of the Agreed Order.

1.2 ROLES AND RESPONSIBILITIES

Numerous contractors have provided a range of services during Site redevelopment and implementation of the interim action. The contractors and their responsibilities are listed below:

- **General Contractor:** JR Hayes Corporation of Maple Valley, Washington (JR Hayes) until June 2023, and Sierra Construction Company of Woodinville, Washington (Sierra) since July 2023;
- **Demolition Contractor:** Rhine Demolition of Tacoma, Washington (Rhine);
- **Construction Stormwater Management Contractor:** Clear Water Services of Everett, Washington (Clear Water);
- **UST Decommissioning Contractor:** Diane's Tank Removal Services LLC of Edmonds, Washington (Diane's Tank Removal);

- **Drilling Contractor:** Anderson Environmental Contracting LLC of Kelso, Washington (AEC); and Holt Services, Inc. of Edgewood, Washington (Holt), and,
- **Environmental Consultant:** Farallon.

1.3 REGULATORY BACKGROUND

The following sections summarize the Site's regulatory history.

1.3.1 Lower Duwamish Waterway

The Site is located proximate to the Lower Duwamish Waterway (LDW), which was identified by U.S. Environmental Protection Agency (EPA) Region 10 on the National Priorities List in 2001. EPA published a final Record of Decision for the LDW Superfund Site in 2014. The Record of Decision presented the selected remedy for cleanup of sediments in the LDW. The sediment cleanup in the LDW commenced in late 2024.

Ecology is leading upland source control activities, consistent with a Memorandum of Agreement with EPA. To support the source control efforts and prevent recontamination of sediments in the LDW, Ecology (2025) published Preliminary Cleanup Levels (PCULs), which are applied to upland sites that may have open transport pathways for contamination to reach the LDW and may impact surface water, sediments, or organisms.

1.3.2 Agreed Order No. DE 16659

The Site is subject to the Agreed Order between Prologis and Ecology. The Agreed Order required Prologis to complete an interim action during Site redevelopment followed by a RI, Feasibility Study, and draft Cleanup Action Plan.

Interim action activities conducted between 2020 and 2024 in conjunction with Site redevelopment are summarized in the 2022 IAPR and in this Interim Action Report. An RI Work Plan presenting planned RI activities was submitted to Ecology in July 2025 (Farallon 2025).

1.3.3 Voluntary Cleanup Program

Prior to the Agreed Order, the Site included multiple sites that were individually enrolled in Ecology's Voluntary Cleanup Program (VCP).

- The Unified Grocers Norfolk Site located at 3301 South Norfolk Street and identified as VCP Project No. NW1807.

- The Northwest Auto Wrecking Site located at 10230 East Marginal Way South and identified as VCP Project No. NW1812. This Site received a Partial Sufficiency Determination for soil from Ecology in January 2011 (Ecology 2011).
- The Humble Oil Gas Station located at 10056 East Marginal Way South and identified as VCP Project No. NW0125. This Site received a No Further Action (NFA) determination from Ecology in December 1998 (Ecology 1998).

1.4 REPORT ORGANIZATION

This Interim Action Report has been organized as follows:

- **Section 2, Project Background,** provides a description of the Site location and features, and a description of the interim action areas.
- **Section 3, Interim Action,** identifies the roles and responsibilities of parties involved in the interim action, summarizes the permits and other regulatory requirements relevant to the interim action, describes the technical approach for the interim action, including soil removal and sampling activities, additional investigation to characterize the impacts of COPCs in soil and groundwater at the Site, summarizes interim action results, describes stormwater utility infrastructure improvements conducted during Site redevelopment, and discusses construction stormwater monitoring and discharge during the interim action.
- **Section 4, Conclusions,** briefly summarizes the completed scope of work and results of the interim action and identifies remaining contamination left in place following completion of the interim action.
- **Section 5, Evaluation of the Interim Action,** presents the methodology to evaluate the effectiveness of the interim action.
- **Section 6, References,** lists the documents used in preparing this Interim Action Report.
- **Section 7, Limitations,** provides Farallon's standard limitations applicable to this Interim Action Report.

2.0 SITE DESCRIPTION AND BACKGROUND

This section provides a description of the Site location and features and a summary of the interim action areas. Additional background information for the Site is provided in the IAWP, IADR, and IAPR.

2.1 SITE DESCRIPTION AND BACKGROUND

The Site comprises nine King County Parcels on approximately 63 acres of land that overlaps the City of Seattle and the City of Tukwila, Washington[1] (Figure 2), and a portion of the west-adjoining East-Marginal Way right-of-way. The Site is in an industrial area zoned for industrial and manufacturing uses in both the City of Seattle and the City of Tukwila.

A total of 10 main buildings and several smaller storage structures were constructed on the Site between 1952 and 2012. All the buildings except for the 284,067-square-foot Perishables Warehouse (Building 1) on the southern portion of the Site were demolished before or concurrently with interim action activities. Hazardous building material surveys, abatement, and demolition were not a component of the interim action. However, additional information on this work is included in Section 3.4 of the IAPR.

Site redevelopment includes the following (Figure 2):

- Building 2: A 151,091-square-foot distribution warehouse constructed in the east-central portion of the Property in 2022.
- Building 3: A 171,924-square-foot distribution warehouse constructed in the northwestern portion of the Site in 2023.
- Building 4: a 230,131-square-foot distribution warehouse constructed in the western portion of the Site in 2024.
- Building 5: A 144,352-square-foot distribution warehouse is planned for construction on the central portion of the Site in 2025.
- King County Metro Training Center: A King County Metro training center consisting of an asphalt-paved lot with a 12,000-square-foot support building constructed in the northeastern portion of the Site in 2023.

[1] The city limits of both the City of Seattle and the City of Tukwila pass through the central portion of the Property, such that some Property parcels are in the City of Seattle, and others are in the City of Tukwila.

- Stormwater Infrastructure: New stormwater infrastructure with catch basins and conveyance piping was installed at the Site during redevelopment. Additional information regarding the new stormwater infrastructure is provided in Section 3.5.

2.2 INTERIM ACTION AREAS

Subsurface investigations and remedial actions have been conducted at the Site since 1989. A detailed description of the subsurface investigations and remedial actions conducted prior to the start of the interim action is provided in the IAWP. Previous investigations subdivided the Site into 13 investigation areas based on operational history. Locations of investigation areas are shown on Figure 3.

As described in Section 1.3, Ecology calculated PCULs for a variety of environmental transport and exposure pathways. PCULs were used in the IADR to conduct an initial screening of existing soil and groundwater chemical concentrations to: 1) identify COPCs; 2) identify transport and exposure pathways of potential concern for the interim action; and 3) select interim action areas.

The IADR identified COPCs for each interim action area based on soil and groundwater data collected during previous subsurface investigations. The COPCs applicable for each interim action investigation area are shown in Table 1.

The interim action was designed to address the areas identified in the IADR and included contingencies for discoveries of additional impacted media beyond the areas identified in the IADR. COPCs for contingency areas were based on operational history and results from field screening. If a petroleum release was identified in a contingency area, additional laboratory analysis was conducted in accordance with Table 830-1, *Required Testing of Petroleum Releases* (WAC 173-340-900). Investigation, remediation, and/or mitigation were completed in the following interim action areas specified in the IADR:

- Area 2, Perishables Warehouse;
- Area 6, Former Truck Repair Shop; and
- Area 7, Former Automobile Service Stations.

In addition to the known areas of contamination identified in the IADR, investigation, remediation, and/or mitigation were also completed in several contingency areas between June 2020 and April 2024 as described in Section 3.

3.0 INTERIM ACTION

This section summarizes interim action activities and results that have been conducted at the Site since May 2020. Interim action activities have included the following, organized by activity and by Area:

- Excavation of PCS in Areas 2, 6, and 7 between June and October 2020 as part of planned interim action activities.
- Discovery and decommissioning of multiple USTs east of Area 6 and in Areas 11 and 13 during redevelopment activities between October 2020 and August 2022.
- Subsurface investigation and installation of an off-Site monitoring well in the East Marginal Way South right-of-way between April and October 2022 to evaluate the down-gradient extent of residual petroleum impacts west of Area 7;
- Contingency excavation of PCS discovered during redevelopment activities in Areas 7, 11, 12, and 13, and east of Area 6 between July 2020 and April 2024 in accordance with Ecology's PCS Guidance (Ecology 2010);
- Contingency excavation of PCB-impacted brick and concrete debris discovered during reconfiguration of construction stormwater ponds between April 2022 and January 2024;
- Replacement of permanent stormwater infrastructure across the Site as part of redevelopment activities between May 2020 and April 2024;
- Evaluation of stormwater infrastructure on the Property for the presence of hazardous substances;
- Decommissioning of monitoring wells interfering with Site redevelopment; and
- Management of construction stormwater and dewatered groundwater generated during interim action and redevelopment activities.

Detailed discussion of interim action activities conducted between June 2020 and April 2022 is presented in the IAPR submitted to Ecology in November 2022, and briefly summarized in the following sections.

Figure 3 shows the extents of excavations completed during the interim action. Figures 4 through 14 illustrate the final limits of excavation at each interim action area and laboratory analytical results for select COPCs in each interim action area. Laboratory analytical results for samples collected during the interim action are summarized in Tables 3 through 11.

Laboratory analytical reports for samples collected during the interim action are provided in Appendix A. Photos of interim action activities are included in Appendix B.

3.1 REMEDIATION LEVELS

PCULs were used to establish RLs for the interim action as described in the IADR. RLs for COPCs encountered during the interim action are shown in Table 2 and presented below:

COPC	Soil Remediation Level (mg/kg)
Total petroleum hydrocarbons (TPH) as diesel-range organics (DRO)	2,000
TPH as gasoline-range organics (GRO)	30 if benzene is detected, 100 if benzene is not detected
Benzene	18
Naphthalene	1,600
Total cPAHs toxic equivalent concentration	0.19

mg/kg = milligrams per kilogram

As described in the IADR, MTCA Method A soil cleanup levels for GRO and DRO, and MTCA Method B soil direct contact cleanup levels for benzene, naphthalene, and cPAHs were used as RLs for the interim action. Final cleanup levels for the Site will be established in the Cleanup Action Plan that will be prepared for the Site following completion of the RI and Feasibility Study.

3.2 PERMITTING

Prior to commencing interim action and redevelopment activities, Prologis and its subcontractors obtained necessary permits in accordance with local and state laws and regulations.

3.2.1 City of Seattle Construction Permit

Prologis obtained multiple Construction Permits from the City of Seattle between June 2018 and March 2020 for redevelopment activities on the Site.

3.2.2 City of Seattle Grading Permits

Prologis obtained grading permits from the City of Seattle in May 2020 and March 2021. Substantive requirements of the grading permits included erosion control, which was addressed by implementation of best management practices in accordance with a project-specific temporary erosion and sediment control plan.

3.2.3 State Environmental Policy Act

The State Environmental Policy Act (SEPA) (WAC 197-11) and the SEPA procedures (WAC 173-802) provide the framework for state agencies to evaluate the environmental consequences of a project and ensure appropriate measures are taken to mitigate environmental impacts. The City of Tukwila was the lead agency for SEPA review associated with Site redevelopment and issued a Mitigated Determination of Non-Significance in October 2019.

3.2.4 Construction Stormwater General Permit

Construction-generated dewatering water and stormwater was managed in accordance with the requirements of National Pollution Discharge Elimination System Construction Stormwater General Permit (CSWGP) WAR308823 and an Administrative Order Docket No. 18101 issued by the Ecology Water Quality Program on April 27, 2020. The Administrative Order established Indicator Levels for the project based on known contaminants for compliance with Water Quality Standards for the Surface Water of the State of Washington (WAC 173-200). The Administrative Order defines the conditions and actions necessary to comply with the CSGWP. The Administrative Order was amended on August 13, 2020 with Administrative Order Docket No. 18248. The amended Administrative Order removed manganese from the list of contaminants required for monitoring due to the lack of established surface water criteria for manganese, the difficulty in reducing manganese concentrations to the Indicator Levels established in Administrative Order Docket No. 18101, and because manganese is a necessary nutrient for mammals and plants and has not been established to be toxic in any circumstance according to the *Quality Criteria for Water 1986* prepared by the U.S. Environmental Protection Agency (EPA) (EPA 1986). Ecology correspondence regarding the amendment to the Administrative Order is presented in Appendix C.

Prologis also obtained a Minor Discharge Authorization from the King County Industrial Waste Program to discharge limited amounts of industrial wastewater into King County's sewer system during construction dewatering. However, discharge under the Minor

Discharge Authorization has not been required during the interim action. Stormwater and wastewater discharge permitting documentation is presented in Appendix C.

3.3 OFF-SITE MONITORING WELL INSTALLATION AND SAMPLING

During the excavation of PCS in the western portion of Area 7 in June 2020, soil containing GRO and/or DRO at concentrations exceeding RLs was left in place in the western sidewall of the excavation due to proximity of a water line and the western Site boundary that limited the western extent of excavation. As described in the 2022 IAPR, borings F-34 through F-39 (Figure 6) were advanced in the East Marginal Way right-of-way in April 2021 to further characterize the western extent of petroleum impacts in soil and groundwater. Soil samples collected from borings F-35, F-37, and F-38 contained GRO at concentrations exceeding RLs (Figure 6; Table 3), and DRO and GRO exceeded the most stringent PCULs in the reconnaissance groundwater sample collected from boring F-37 (Figure 6; Table 10).

Due to exceedances of DRO and GRO in soil and/or reconnaissance groundwater samples collected from borings advanced within the public right-of-way, monitoring well FMW-04 was installed in the planter strip adjacent to the western sidewalk of East Marginal Way South between the Site and the LDW to define the downgradient extent of residual PCS in soil and groundwater.

A scope of work was provided to Ecology via email in April 2022 and subsequently approved. Monitoring well installation and sampling activities are described in the following sections.

3.3.1 Monitoring Well Installation

On October 20, 2022, monitoring well FMW-4 was installed by AEC on the west side of the East Marginal Way right-of-way. The location of monitoring well FMW-4 was selected to be west of Area 7 and down-gradient of residual PCS in soil and groundwater identified along the western Site boundary and in the East Marginal Way right-of-way (Figure 6).

Prior to drilling, public and private utility locating services identified the locations of subsurface utilities within the work areas. The boring for monitoring wells FMW-4 also was manually cleared to a depth of 5 feet below ground surface (bgs) using a vacuum truck to verify that no utilities were present. The existing Site-specific Health and Safety Plan was available onsite during field activities as required by Part 1910 of Title 29 of the Code of Federal Regulations and Chapter 296-62 of the Washington Administrative Code.

The boring for monitoring well FMW-4 was advanced to a total depth of 20 feet bgs using a direct-push drill rig. During drilling, a Farallon geologist observed the advancement of the boring, logged subsurface conditions, and retained soil samples from selected intervals for laboratory analysis based on field indications of potential contamination. The information recorded included soil types encountered, visual and olfactory indications (e.g., staining, odor), and volatile organic vapor concentrations as measured using a photoionization detector.

Soil samples were retained for potential laboratory analysis at approximately 5-foot intervals. Soil samples retained for laboratory analysis were transported to Friedman & Bruya, Inc. of Seattle, Washington (F&B) under standard chain-of-custody protocols for potential analysis of the following:

- GRO by Northwest Method NWTPH-Gx;
- DRO and TPH as oil-range organics (ORO) by Northwest Method NWTPH-Dx; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8260D.

Upon reaching total depth, monitoring well FMW-04 was constructed using 2-inch-diameter Schedule 40 polyvinyl chloride casing and 0.010-inch slotted pre-pack screen, which was screened between 10 to 20 feet bgs to intersect the first-encountered groundwater-bearing zone. A bentonite seal was installed above the filter pack, and the boring were backfilled to ground surface with a concrete mix. The monitoring well was completed with a watertight locking cap and flush-mounted traffic-rated well monument in accordance with the Minimum Standards for Construction and Maintenance of Wells as established in WAC 173-160. Following installation, the monitoring well was developed using a surge block and a submersible pump until the majority of fine-grained sediment had been removed from the well screen and adjacent sand pack and water purged from the well appeared clear. Well construction details for monitoring well FMW-4 are provided in Appendix D.

3.3.1.1 Soil Analytical Results

A soil sample was collected during installation of FMW-4 at a depth of 10 feet bgs to intersect the approximate surface of the water table. No field evidence of contamination was observed during drilling, and analytical results indicated that COPCs, including DRO, ORO, GRO, benzene, and naphthalene, were reported non-detect at the laboratory practical quantitation limit (PQL) (Figure 6; Tables 3 and 4). Soil analytical results from FMW-4 indicate that exceedances of GRO identified in soil along the western edge of Area 7 and

beneath the eastern portion of East Marginal Way South do not extend to the western side of East Marginal Way South.

3.3.2 Groundwater Monitoring and Sampling

A groundwater monitoring event was conducted at monitoring well FMW-4 on October 24, 2022, which included measuring depth to water and collecting a groundwater sample. Prior to sampling, the monitoring well was opened and groundwater levels were allowed to equilibrate to atmospheric pressure for approximately 15 minutes. The depth to groundwater was then measured to the nearest 0.01 foot using an electronic water level meter from the top of the well casing.

A groundwater sample was collected from monitoring well FMW-4 in accordance with standard EPA low-flow groundwater sampling procedures. The tubing intake was placed at the approximate middle of the submerged screen interval in the monitoring well, and the monitoring well was purged using a peristaltic pump and dedicated tubing at a flow rate of approximately 120 milliliters per minute. During purging, temperature, pH, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity were monitored to determine when stabilization of these parameters occurred. Following stabilization, a groundwater sample was collected directly from the low-flow pump outlet. Sample containers were placed on ice in a cooler and transported under standard chain-of-custody protocols to F&B for laboratory analysis of DRO and ORO by Northwest Method NWTPH-Dx, GRO by Northwest Method NWTPH-Gx, and BTEX and naphthalene by EPA Method 8260D.

3.3.2.1 Groundwater Analytical Results

DRO, ORO, GRO, benzene, and naphthalene were reported non-detect at the laboratory PQLs in the groundwater sample collected from monitoring well FMW-4 on October 24, 2022 (Figure 6; Table 10). Groundwater analytical results from monitoring well FMW-4 indicate that the western extent of petroleum impacts in groundwater proximate to Area 7 has been defined and do not extend to the western side of East Marginal Way South and the LDW.

3.3.3 Investigation-Derived Waste

Investigation-derived waste generated during installation and sampling of FMW-04 was informed by laboratory analytical results. Due to the absence of detections of COPCs in soil and groundwater samples collected at FMW-04, the General Contractor disposed of monitoring well purge water through the Site construction stormwater treatment system and added soil to an existing uncontaminated stockpile for reuse or export off the Site.

3.4 SOIL EXCAVATION, SAMPLING, AND DISPOSAL

The interim action included excavation of PCS was excavated for off-Site disposal in Areas 2, 6, and 7 between June and October 2020 as part of planned interim action activities. Additional contingency excavation activities were conducted in Areas 7, 11, 12, and 13, and east of Area 6 between July 2020 and April 2024 to address PCS, PCB-impacted soil, and multiple USTs discovered during Site redevelopment (Figure 3). Contingency excavation activities included the following:

- Discovery and decommissioning of a UST and excavation of PCS within and proximate to Area 11 during utility infrastructure installation between July and October 2020;
- Discovery and decommissioning of USTs and excavation of PCS east of Area 6 during utility infrastructure installation between August and September 2020;
- Discovery and decommissioning of a UST and excavation of PCS along the boundary of Area 7 and Area 13 along the western Site boundary during utility infrastructure installation between June and August 2022;
- Discovery and excavation of localized PCS in Area 12 in the northwestern portion of the Site during utility infrastructure installation between January and March 2023; and
- Discovery and excavation of PCS and PCB-impacted soil and/or brick debris in Area 13, related to construction and reconfiguration of multiple temporary construction stormwater detention ponds between June 2020 and January 2024 (Stormwater Ponds 1 through 3).

Detailed discussion of interim action excavation activities conducted prior to April 2022 is presented in the IAPR and is summarized in the following sections.

During redevelopment activities, the General Contractor notified Farallon and Prologis when USTs were encountered or when potentially impacted soil was observed. Farallon mobilized to the Site after each discovery to observe field conditions in accordance with the Site Management Plan, Appendix D of the IADR. Farallon observed trenching and excavation activities, implemented field-screening methods, and collected performance soil samples to evaluate each discovery for the presence of COPCs. Soil exhibiting staining, noticeable odors, and/or concentrations of COPCs exceeding RLs was segregated and stockpiled for off-Site disposal.

Field screening and soil sampling methods were conducted in accordance with the Sampling and Analysis Plan, Appendix E of the IADR. During excavation activities, a Farallon geologist observed subsurface conditions and field screened soil for visual and olfactory evidence of contamination and volatile organic vapor concentrations as measured using a photoionization detector. Confirmation soil sampling was conducted at each excavation location once performance soil sampling results and field screening procedures indicated that the RLs had been attained at the limits of each excavation.

Soil samples collected during excavation activities were placed into laboratory-supplied containers, placed on ice in an insulated container, and transported to either Analytical Resources, LLC of Tukwila, Washington (ARI) or F&B under standard chain-of-custody protocols for analysis of one or more of the following:

- DRO and ORO by Northwest Method NWTPH-Dx;
- GRO by Northwest Method NWTPH-Gx;
- BTEX by EPA Method 8021B or 8260D;
- Volatile organic compounds (VOCs) by EPA Method 8260D;
- cPAHs by EPA Method 8270E;
- PCBs by EPA Method 8082A; and
- Metals, including arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver, by EPA Methods 6010/6020.

Analytical results for soil sampling conducted during previous subsurface investigations and the interim action were used to profile soil for disposal. Profiling information was submitted to Waste Management to obtain approval for disposal of PCS at its Subtitle D Columbia Ridge Landfill in Arlington, Oregon (Columbia Ridge Landfill) under Profile No. 1330200R, and for PCB-impacted soil under Profile No. 1384640R. PCS was loaded directly into trucks or containers and transported for disposal to the Columbia Ridge Landfill via Waste Management's Duwamish Reload Facility in Seattle, Washington. PCB-impacted soil was loaded directly into containers and transported directly to the Columbia Ridge Landfill.

The locations of excavations conducted during the interim action are shown on Figure 3. A detailed discussion of interim action excavation activities conducted since June 2020 is presented in the following sections, organized by Area.

3.4.1 Area 2: Perishables Warehouse

As described in the IAPR, excavation activities were conducted in Area 2 to depths of up to 14.5 feet bgs in June 2020. Excavation activities were conducted to remove known impacts of DRO left in place following remedial excavation activities conducted in 2002. The eastern extent of the interim action excavation was limited due to proximity to a high pressure water line and the foundation of the Perishables Warehouse, and DRO and GRO were detected at concentrations exceeding RLs in a single soil sample collected from the eastern sidewall of the excavation at a depth of 7 feet bgs (Figure 4; Table 3).

Approximately 460 tons of PCS was excavated from Area 2 and transported to the Columbia Ridge Landfill in Arlington, Oregon under waste profile 1330200R. Soil disposal documentation is provided in Appendix F.

3.4.2 Area 6: Former Truck Repair Shop

As described in the IAPR, excavation activities were conducted in Area 6 to depths of up to 20 feet bgs between September and October 2020. Excavation activities were conducted to remove known impacts of GRO and benzene left in place following remedial excavation activities conducted in 2007. Excavation activities resulted in the removal of all soil containing COPCs at concentrations exceeding RLs (Figure 5; Table 3). Limited dewatering was conducted to facilitate excavation activities, and dewatered groundwater was conveyed to the existing stormwater pond in Area 13 for treatment and disposal under the CSWGP.

Approximately 4,340 tons of PCS was excavated from Area 6 and transported to the Columbia Ridge Landfill in Arlington, Oregon under waste profile 1330200R. Soil disposal documentation is provided in Appendix F.

3.4.3 Area 7: Former Automobile Service Stations

As described in the IAPR, excavation activities were conducted in Area 7 to depths of up to 18 feet bgs in June 2020. Excavation activities were conducted to remove known impacts of GRO and naphthalene proximate to FMW-01 on the western portion of the Site. The western extent of the interim action excavation was limited due to proximity to a high pressure water line and the western property boundary, and DRO and GRO were detected at concentrations exceeding RLs in soil samples collected from the western sidewall of the excavation area between depths of 10 and 15 feet bgs (Figure 6; Table 3). Limited dewatering was conducted to facilitate excavation activities, and dewatered groundwater was conveyed to the existing stormwater pond in Area 13 for treatment and disposal under the CSWGP.

Approximately 800 tons of PCS was excavated from Area 7 and transported to the Columbia Ridge Landfill in Arlington, Oregon under waste profile 1330200R. Soil disposal documentation is provided in Appendix F.

3.4.3.1 Area 7 Supplemental Subsurface Investigation

As described in the IAPR, a supplemental subsurface investigation was conducted in the East Marginal Way South right-of-way west of the Area 7 interim action excavation in April 2021. The supplemental subsurface investigation consisted of advancing borings F-34 through F-39 to depths of up to 20 feet bgs using a direct-push drilling rig for collection of soil and reconnaissance groundwater samples. Soil and reconnaissance groundwater samples collected during the supplemental subsurface investigation were transported to F&B under standard chain-of-custody protocols for analysis of one or more of the following:

- DRO and ORO by Northwest Method NWTPH-Dx;
- GRO by Northwest Method NWTPH-Gx;
- BTEX by EPA Method 8021B or 8260D; and
- cPAHs by EPA Method 8270E.

GRO was detected at concentrations exceeding the RL in soil samples collected from borings F-35, F-37, and F-38 between depths of 12 and 14.5 feet bgs (Figure 6; Table 3). Remaining COPCs, including DRO, ORO, BTEX, and cPAHs, either were reported non-detect at the laboratory PQLs or were detected at concentrations less than RLs.

DRO and GRO exceeded the most stringent PCULs in the reconnaissance groundwater sample collected from boring F-37 (Figure 6; Table 10). However, the sample chromatographic pattern for DRO did not resemble the fuel standard used for quantitation. DRO, ORO, and BTEX either were reported non-detect at the laboratory PQLs or were detected at concentrations less than the most stringent PCULs in the remaining reconnaissance groundwater samples analyzed.

3.4.3.2 Area 7 Utility Trenching

During utility trenching in the western portion of Area 7 in November 2022, the General Contractor observed field indications of petroleum impacts, including petroleum-like odors and staining in a section of trench along the western Site boundary. Farallon mobilized to the Site and determined that the utility trench was north of the interim action excavation conducted in June 2020. Three sidewall and floor soil samples (SST01-ESW, SST01-WSW, and SST01B) were collected at the limits of the trench to evaluate the extent of petroleum

impacts, and a single soil sample was collected from the stockpile of excavated soil (STP01-111022) for analysis of DRO, ORO, GRO, and BTEX, and cPAHs. COPCs were not detected at concentrations exceeding RLs in any of the soil samples analyzed (Tables 3 and 4). Although no RL exceedances were reported, approximately 75 tons of soil exhibiting petroleum odors and/or staining was transported off the Site to the Columbia Ridge Landfill in Arlington, Oregon for disposal under waste profile 1330200R,

During utility trenching in the western portion of Area 7 in April 2024 (Figure 6), the General Contractor observed field indications of petroleum impacts, including petroleum-like odors and staining in a section of trench along the western Site boundary. Farallon mobilized to the Site and determined that the utility trench was located where PCS was left in place along the western sidewall of the interim action excavation conducted in June 2020. Two sidewall soil samples (WSW-02 and WSW-03) were collected at the limits of the trench to evaluate the extent of petroleum impacts, and a single soil sample was collected from the stockpile of excavated soil (SP-01-041724) for analysis of DRO, ORO, GRO, and BTEX.

Soil samples collected at the limits of the utility trench confirmed that PCS did not extend south beyond the previous interim action excavation area, and confirmed that the eastern sidewall of the utility trench was comprised of uncontaminated excavation backfill (Figure 6; Table 3). The sample collected from the stockpile of soil excavated from the utility trench (SP-01-041724) contained GRO at a concentration exceeding the RL, confirming that a portion of the utility trench passed through the PCS left in place along the western edge of Area 7 (Table 3). Due to the presence of clean excavation backfill east of the utility trench and limitations on excavation of PCS west of the trench, no additional excavation was conducted beyond the limits of the utility trench.

Shoring was not used during the interim action excavation activities conducted in Area 7 in June 2020, and the trench box used during utility trenching activities in April 2024 allowed for excavation of slightly more PCS along the western sidewall of the Area 7 excavation. A total of approximately 80 tons of PCS was excavated during utility trenching and transported to the Columbia Ridge Landfill in Arlington, Oregon for disposal under waste profile 1330200R. Soil disposal documentation is presented in Appendix F.

3.4.4 Area 11: Former South Maintenance Shop

As described in the IAPR, several areas of odorous and/or stained soil were encountered during utility infrastructure trenching proximate to Area 11 between July and October 2020. Farallon collected several soil samples from this odorous and/or stained soil, and from the

floor and sidewalls of utility infrastructure trenches. COPCs either were reported non-detect at the laboratory PQL or were detected at concentrations less than RLs in all soil samples collected from odorous and/or stained soil and from the floor and sidewalls of trenches excavated during stormwater utility installation activities proximate to Area 11 (Figure 7; Tables 3 and 4). Although soil did not contain COPCs at concentrations exceeding RLs, a total of approximately 600 tons of petroleum-impacted soil exhibiting visual and olfactory evidence of contamination was transported to Columbia Ridge Landfill in Arlington, Oregon for off-Property disposal under waste profile 1330200R.

In October 2020, an approximately 350-gallon UST was discovered during utility installation activities and decommissioned in accordance with the UST regulations established in WAC 173-360A and Ecology's UST Guidance (Ecology 2021). Following removal of the UST, PCS soil was observed beneath the former UST. PCS was excavated to depths of up to 14 feet bgs proximate to the former UST, and the northern extent of excavation was limited due to the presence of a newly installed WSDOT 60-inch stormwater line. GRO was detected at a concentration exceeding the RL in a single soil sample collected at a depth of 10 feet bgs in the northern sidewall of the UST excavation (Figure 7; Table 2). Approximately 270 tons of PCS was excavated from the UST excavation and transported to the Columbia Ridge Landfill in Arlington, Oregon. Soil disposal documentation is provided in Appendix F.

3.4.5 Area 7/Area 13 UST Discovery and PCS Excavation

During utility trenching activities in June 2022 along the western edge of the Site at the boundary of Area 7 and Area 13, the General Contractor observed indications of petroleum impacts in soil excavated from the utility trench. Farallon mobilized to the Site on June 13, 2022 and observed field indications of petroleum impacts in a section of utility trench oriented north to south at the boundary between Area 7 and Area 13. Soil samples were collected for potential laboratory analysis at depths of 2.5 and/or 7 feet bgs at three locations along the eastern edge of the trench (Trench-01 through Trench-03). Analytical results indicated that DRO, ORO, and GRO were detected at concentrations exceeding RLs in the sample collected from 7 feet bgs at the Trench-01 sampling location (Figure 9; Table 3).

On June 15 and 16, 2022, test pits FTP-18 through FTP-25 were excavated to depths between 3 to 17 feet bgs to define the lateral and vertical extent of PCS proximate to the utility trench (Figure 9). A total of 22 soil samples were collected from Trench-01 through Trench-03 and FTP-18 through FTP-25 for laboratory analysis.

During excavation of test pit FTP-20, a 1,000-gallon UST was discovered at a depth of approximately 3 feet bgs in the southwestern portion of Area 13 (Figure 9). The UST was observed to be filled with unknown liquid product, and a sample of the product was collected for analysis of GRO, DRO, ORO, Hydrocarbon Identification (HCID), VOCs, PAHs, PCBs, and lead in accordance with MTCA Table 830-1, *Required Testing for Petroleum Releases*. Based on the laboratory results, the unknown liquid product was interpreted as leaded gasoline (Table 11).

On August 26, 2022, Farallon observed Diane's Tank Removal during the permanent decommissioning of the UST by removal for off-Site disposal. UST decommissioning activities were conducted under the supervision of a marine chemist and the City of Seattle Fire Marshal in accordance with City of Seattle regulations, the UST regulations established WAC 173-360A and Ecology's UST Guidance (Ecology 2021). During UST decommissioning, approximately 750 gallons of liquid product was removed from the UST for off-Site disposal by Clean Harbors Environmental of Kent, Washington. The UST product was transported to Emerald Services, Inc. of Tacoma, Washington under waste profile CH2483113 for disposal as hazardous waste in accordance with WAC 173-303, *Dangerous Waste Regulations* due to characteristics including ignitability (D001), lead toxicity (D008), and benzene toxicity (D018). UST decommissioning documentation is provided in Appendix E.

Following the removal of the UST, floor and sidewall samples collected at the limits of the UST excavation exhibited field indications of contamination, including a strong petroleum-like odor and elevated concentrations of volatile organic vapors as measured by a photoionization detector.

Based on analytical results for soil samples collected proximate to the UST, additional excavation was conducted between August 29 and 31, 2022 to remove all PCS proximate to the UST and utility trench. PCS was excavated to depths of up to 18 feet bgs proximate to the former UST, and excavation extended vertically and horizontally based on field indications of contamination and soil analytical results (Figure 9; Tables 3 through 6). Localized dewatering was conducted during excavation using a sump pump, and dewatered groundwater was conveyed to the on-site construction stormwater treatment system for treatment and discharge to the municipal stormwater system.

A total of 17 additional performance and confirmation soil samples were collected within and at the limits of the excavation during UST decommissioning and PCS excavation

activities. A single soil sample was collected from the soil stockpile generated during excavation activities to assist with waste profiling.

COPCs either were reported non-detect at the laboratory PQLs or were detected at concentrations less than the RLs in all confirmation soil samples collected from the base and sidewalls of the excavation area (Figure 9; Tables 3 through 6). In addition, lead, which was detected at an elevated concentration in the product sample collected from the former UST, was reported at concentrations generally consistent with or less than Washington State natural background concentrations (Ecology 1994) in confirmation soil samples collected at the limits of the excavation area (Table 6).

A total of approximately 2,700 tons of PCS was excavated and transported to the Columbia Ridge Landfill in Arlington, Oregon for disposal under waste profile 1330200R. Soil disposal documentation is presented in Appendix F.

3.4.6 Area 12 Utility Trenching

During excavation of utility trenches within and south of Area 12 between January and March 2023 (Figure 10), the General Contractor observed field indications of petroleum impacts, including petroleum-like odors and staining in localized areas of soil excavated from utility trenches. Soil samples were collected from stockpiles of excavated soil and from the base and sidewalls of utility trenches where suspected petroleum impacts were observed. A total of 12 in-situ soil samples and two soil stockpile samples were collected for laboratory analysis of DRO, ORO, GRO, BTEX, PAHs, and/or lead in the vicinity of suspected petroleum impacts identified during utility trenching.

A soil sample collected from a stockpile of soil excavated from the utility trench in the northern portion of Area 12 (Figure 10) contained GRO at a concentration exceeding the RL, indicating that soil excavated from the utility trench required disposal as PCS (Table 3). Soil samples collected at the base and sidewalls of the utility trenches where evidence of petroleum impacts was observed did not contain COPCs at concentrations exceeding RLs, indicating that all PCS had been removed and additional excavation beyond the limits of the utility trenches was not warranted (Figure 10; Tables 3 and 4).

Utility trenching activities within and proximate to Area 12 resulted in the excavation and off-Site disposal of approximately 160 tons of PCS at the Columbia Ridge Landfill in Arlington, Oregon under waste profile 1330200R. Soil disposal documentation is presented in Appendix F.

3.4.7 Area 13: Former Northwest Auto Wrecking Property

As described in the IAPR, during construction of a construction stormwater pond (Stormwater Pond 1) in the northern portion of Area 13 in June 2020, the General Contractor excavated approximately 2 feet of soil from the bottom of an existing depression proximate to the locations of two soil samples collected in 2008 that contained arsenic, copper, and PCBs at concentrations exceeding the most stringent PCULs. Following excavation, the bottom of the stormwater retention pond was approximately 8 feet below the grade of the remainder of the Property. Groundwater was not encountered at the base of the stormwater retention pond. While not required as part of the interim action, two soil samples were collected from this area to document current soil conditions following excavation (Figure 13). Soil analytical results indicated that copper was detected at concentrations consistent with the natural background concentration, which are the most stringent PCULs, in the soil samples collected from the bottom of the stormwater retention pond excavation. PCBs were reported non-detect at the laboratory PQL (Figures 12 and 13; Tables 5 and 6).

Between April 2022 and January 2024, the General Contractor reconfigured the temporary construction stormwater detention ponds multiple times as development progressed due to changes in active work areas and the reduction in need for stormwater collection capacity as new permanent stormwater infrastructure was completed during redevelopment. The temporary construction stormwater detention ponds were used to collect stormwater prior to treatment and discharge under the CSWGP. Interim action activities were conducted in Area 13 to support construction and abandonment of three temporary construction stormwater detention ponds and to remove impacts of TPH and PCBs discovered during stormwater pond construction and/or abandonment activities. The temporary construction stormwater detention ponds are identified as Stormwater Ponds 1 through 3 as described below:

- Stormwater Pond 1 was constructed in June 2020 in the northern portion of Area 13 at the location of a former stormwater detention pond located on the Site prior to redevelopment (Figure 3). Stormwater Pond 1 was removed in April 2022 due to the location of the pond interfering with the progression of redevelopment activities.
- Stormwater Pond 2 was located southeast of Stormwater Pond 1 and was intended as a replacement location for collection of construction stormwater following abandonment of Stormwater Pond 1 (Figure 3). Construction of Stormwater Pond 2 began in April 2022 but was abandoned partway through construction due to the proposed location of the pond interfering with the progression of redevelopment activities.

- Stormwater Pond 3 was constructed in the eastern portion of Area 13 between April and May 2022 and was used for collection of construction stormwater until it was abandoned in September 2023.

The existing temporary construction stormwater detention pond for the current redevelopment activities is located in the undeveloped area in the central portion of the Site proximate to the future location of Building 5.

Details of interim action activities conducted in Area 13 between April 2022 and January 2024 are presented in the following sections.

3.4.7.1 Stormwater Pond 1 Abandonment

As described above, Stormwater Pond 1 was removed in April 2022 due to the progression of development activities. On April 27, 2022, two samples of settled solids (Pond-01-SED01-0.5 and Pond-01-SED02-0.5) were collected from the western and eastern portions of partially drained Stormwater Pond 1 for laboratory analysis to evaluate disposal options for settled solids that would be removed from base of the pond. Samples were transported to F&B under standard chain of custody protocols for analysis of DRO, ORO, GRO, VOCs, cPAHs, PCBs, and the metals arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. One of the two samples of settled solids collected from the base of the pond (Pond-01-SED02-0.5) contained cPAHs at a toxic equivalent concentration exceeding the RL, and remaining COPCs, including DRO, GRO, benzene, and naphthalene, either were detected at concentrations less than RLs or were reported non-detect at the laboratory PQLs (Figure 11; Table 3). In addition to the interim action COPCs, low concentrations of ORO and select VOCs, PCBs, and metals including arsenic, barium, chromium, and lead were detected in settled solids at the base of the pond (Figures 12 and 13; Tables 3 through 7).

On May 10 and 11, 2022, approximately 0.5 to 1 foot of settled solids were removed from the base of Stormwater Pond 1. The settled solids were temporarily stockpiled to allow water to drain to the on-site stormwater treatment system for treatment and discharge. Following removal of settled solids, three soil samples were collected from in-situ soil at the base of the pond for laboratory analysis of DRO, ORO, cPAHs, and arsenic to confirm that COPCs were not present in soil beneath the pond at concentrations exceeding RLs (Pond-01-01 through Pond-01-03). Soil samples Pond-01-01 through Pond-01-03 did not contain interim action COPCs at concentrations exceeding RLs (Figures 11 through 13; Tables 3, 4, and 6).

During excavation, a consolidated layer of brick and concrete debris was encountered beneath the southeastern corner of the stormwater pond. The layer of brick and concrete debris was encountered at a depth of approximately 0.5 foot beneath the base of the pond, corresponding to a depth of approximately 8 feet below the grade of the Site. An additional sample (Pond-01-04-0.0) was collected from the debris for potential laboratory analysis. Additional discussion regarding the layer of brick debris is presented in Section 3.4.4.2.

A total of approximately 390 tons of soil and settled solids were removed from the base of the pond and loaded into trucks for off-Site disposal at the Columbia Ridge Landfill under profile number 1330200R. Soil disposal documentation is presented in Appendix F. Upon completion of excavation activities, Stormwater Pond 1 was backfilled with uncontaminated fill material generated during grading activities on the Site to match the surrounding grade.

3.4.7.2 Brick and Concrete Debris Investigation

In May 2022, during redevelopment activities in Area 13, the General Contractor encountered two layers of brick and concrete debris. A shallow layer of brick and concrete debris was encountered at depths ranging from 2 to 4 feet bgs in the northern portion of Area 13 and a deep layer was encountered at a depth of approximately 8 feet bgs beneath the southeastern portion of Stormwater Pond 1. The layer of shallow brick and concrete debris was unconsolidated and appeared distinct from the deep layer of consolidated brick and concrete debris.

According to a Remedial Action Report prepared by Dalton, Olmstead, and Fuglevand, Inc. (DOF) in 2009 (DOF 2009), brick and concrete debris from the former Rainier Cold Storage facility at 6000 Airport Way South in Seattle was reportedly used to grade the surface of Area 13 following a cleanup action conducted by the previous property owner in 2008.

Between May 9 and 27, 2022, four soil samples were collected from the shallow layer of brick and concrete debris, including one soil sample proximate to Stormwater Pond 2 (Pond-02-Deb) and three soil samples around the perimeter of Stormwater Pond 3 (Pond-03-01 through Pond-03-03), where the layer of brick and concrete debris was observed in the perimeter sidewall (Figures 12 and 13). In addition to the soil samples collected from the shallow layer of brick and concrete debris, a soil sample was collected from the consolidated deep layer of brick and concrete debris encountered beneath the southeastern portion of Stormwater Pond 1 (Figures 12 and 13). Soil samples were transported to F&B for analysis of PCBs and lead. In June 2022, following receipt of analytical results, the discovery of the brick and concrete debris was reported to Ecology.

Analytical results reported detectable concentrations of PCBs, and concentrations of lead exceeding Washington State natural background concentrations in all five soil samples (Figures 12 and 13; Tables 5 and 6). To evaluate whether detections of PCBs and lead were associated with the soil matrix within the brick debris layer or were associated with the brick and concrete aggregate contained within the soil matrix, the laboratory passed sample media through a No. 10 sieve and rinsed the aggregate material with deionized water prior to re-analysis. Concentrations of lead decreased following re-analysis, indicating that impacts of lead may be attributable to material on the surface of the aggregate rather than contained within. Concentrations of PCBs remained largely consistent except for in sample Pond-01-04-0.0 collected from the deeper layer of brick and concrete debris beneath the southeastern corner of Stormwater Pond 1, where the detected concentration of PCBs increased significantly following re-analysis (Table 5). The consistent and/or increasing concentrations of PCBs following rinsing suggest that impacts of PCBs may be contained within the brick and concrete aggregate may not be solely attributable to material on the surface of the aggregate.

A summary of analytical results was provided to Ecology via email on July 5, 2022. Ecology indicated that based on the planned cap of new warehouse buildings and asphalt pavement across the Site, the shallow layer of brick and concrete debris encountered in Area 13 could be left in place since impervious surfaces constructed during redevelopment would eliminate the direct contact pathway and minimize stormwater infiltration. However, Ecology requested excavation and off-Site disposal of the deep layer of brick and concrete debris encountered beneath the southeastern corner of Stormwater Pond 1 due to the elevated concentration of PCBs and potential for impacts of PCBs in soil to leach to groundwater (Ecology 2022b).

Test pits FTP-26 through FTP-32 were excavated on July 7, 2022 to define the extent of the concrete and brick debris encountered beneath Stormwater Pond 1, which had been backfilled following abandonment. Test pits were excavated to depths of approximately 8 to 10 feet bgs for collection of soil samples at depths corresponding to the brick and concrete debris encountered beneath the base of former Stormwater Pond 1. Test pit FTP-26 was excavated proximate to sample Pond-01-04 to evaluate the thickness of the brick and concrete debris and define the vertical extent of PCBs, and test pits FTB-27 through FTP-32 were excavated to define the lateral extent of the brick and concrete debris and define the lateral extent of PCB impacts. Subsurface observations confirmed that the extent of the brick and concrete debris layer beneath Stormwater Pond 1 was limited to the southeastern

corner of the pond, and analytical results confirmed that elevated concentrations of PCBs were limited to the deep layer and did not extend deeper than 10 feet bgs (Figure 12; Table 5).

Excavation and off-Site disposal of the layer of brick and concrete debris was conducted in January 2024 and is discussed in Section 3.4.4.4.

3.4.7.3 Stormwater Pond PCS Discovery and Excavation

During abandonment of Stormwater Pond 3 in September 2023, the General Contractor identified field indications of petroleum impacts, including staining and petroleum-like odors beneath the northeastern portion of the pond (Figure 11). Soil samples were collected between September 6 and 8, 2023 to define the nature and extent of suspected petroleum impacts. During sampling activities, the base of the pond was approximately 6 feet below the surrounding grade of the Site. Soil samples were collected at depths of 0.5 and 4 feet beneath the base of the pond (Pond-03-04) to evaluate the vertical extent of petroleum impacts, and observed excavation of test pits FTP-33 through FTP-37 to depths of 4 feet below the bottom of the pond to evaluate the lateral extent of suspected petroleum impacts. Soil samples were transported to F&B under standard chain of custody protocols for analysis of DRO, ORO, GRO, VOCs, cPAHs, PCBs, and/or lead.

Soil analytical results confirmed the presence of GRO at concentrations exceeding the RL in soil samples collected from Pond-03-04 and FTP-33 at depths between 0.5 and 1 foot beneath the base of the pond (Figure 11; Table 3).

During redevelopment activities between September 2023 and January 2024, Stormwater Pond 3 was abandoned and backfilled to restore the original grade of the Site. Approximately 6 feet of uncontaminated fill originally excavated from Stormwater Pond 3 for use as foundation preload was backfilled over the area of PCS identified proximate to sample locations Pond-03-04 and test pit FTP-33.

Between January 8 and 9, 2024, excavation of PCS was conducted proximate to Pond-03-04 and FTP-33 beneath the northeastern portion of Stormwater Pond 3. Prior to excavation, test pits FTP-40 and FTP-41 were excavated to depths of up to 10 feet bgs proximate to test pit FTP-33 to define the southern extent of GRO exceedances. Soil samples were collected from test pits FTP-40 and FTP-41 at depths correlating with samples collected from Pond-03-04 and FTP-33 through FTP-37 prior to backfilling of Stormwater Pond 3. Soil samples collected

at the lateral and vertical limits of the proposed excavation area did not contain COPCs at concentrations exceeding RLs (Figure 11; Tables 3 through 5).

Approximately 6 feet of uncontaminated backfill material was removed from the proposed excavation area and stockpiled for reuse. PCS was then excavated for off-Site disposal to a depth of approximately 4 feet beneath the base of the pond, corresponding to a depth of approximately 10 feet bgs and intersecting the surface of the water table. No dewatering was conducted during excavation activities. Soil samples collected from test pits prior to excavation were used as confirmation samples to define the extent of excavation, and no additional soil samples were collected during excavation.

A total of approximately 405 tons of PCS were removed from the base of Stormwater Pond 3 during excavation activities and transported to the Columbia Ridge Landfill in Arlington, Oregon for disposal under waste profile 1330200R. Soil disposal documentation is presented in Appendix F. Following completion of excavation activities, the excavation area was backfilled with clean fill and the approximately 6 feet of overburden was replaced to match the surrounding grade.

3.4.7.4 Stormwater Pond PCB-Impacted Brick and Concrete Debris Excavation

Between January 16 and 17, 2024, excavation activities were conducted to remove the layer of brick and concrete debris beneath the southeastern corner of former Stormwater Pond 1 (Figure 12). As described in Section 3.4.4.2, the excavation area was determined based on a request from Ecology to excavate the area of brick and concrete debris beneath Stormwater Pond 1 due to elevated concentrations of PCBs in the debris layer. Ecology confirmed that the area of brick and concrete debris beneath Stormwater Pond 1 would require excavation due to the potential for leaching to groundwater, and indicated that the shallow layer of brick debris encountered elsewhere beneath Area 13 would not require excavation due to future buildings and pavement acting as a cap to address the direct contact pathway and minimize the potential for stormwater infiltration.

Prior to excavation, test pit FTP-50 was excavated to a depth of approximately 10 feet bgs along the western edge of the proposed excavation to confirm that the debris layer and elevated concentrations of PCBs did not extend beneath a newly installed fire hydrant and associated water line (Figure 12). During excavation activities, uncontaminated fill soil used to backfill Stormwater Pond 1 was removed and stockpiled to allow removal of the underlying brick and concrete debris layer encountered between depths of 8 and 10 feet bgs. Excavation continued laterally and vertically until the area of brick and concrete debris

encountered beneath the southwestern corner of former Stormwater Pond 1 was removed, and included removal of soil sample Pond-01-04, which contained total PCBs at a concentration of 2.1 mg/kg (Figure 12; Table 5). Soil samples collected from test pits prior to excavation were used as confirmation samples to define the extent of excavation, and no additional soil samples were collected during excavation. PCBs either were reported non-detect at the laboratory PQL or were detected at low concentrations up to 0.24 mg/kg at the limits of the excavation area (Figure 12; Table 5).

Limited dewatering was conducted during excavation activities, and dewatered groundwater was pumped to the on-site construction stormwater treatment system for treatment and discharge to the municipal stormwater system. Following completion of excavation activities, the excavation area was backfilled with imported clean fill to a depth of approximately 8 feet bgs, and the stockpiled uncontaminated soil was placed from a depth of approximately 8 feet bgs to ground surface to match the surrounding grade.

A total of approximately 345 tons of PCB-impacted brick and concrete debris were removed from the base of former Stormwater Pond 1 during excavation activities. Brick and concrete debris was loaded into roll-off bins for transport and disposal at the Columbia Ridge Landfill in Arlington, Oregon under waste profile 138464OR. Soil disposal documentation is presented in Appendix F.

3.4.8 Dry Grocery Warehouse (East of Area 6)

As described in the IAPR, during demolition and grading activities between August and September 2020, the General Contractor encountered three USTs ranging in capacity from approximately 100 to 1,500 gallons proximate to the northern portion of the Former Dry Grocery Warehouse east of Area 6 (Figure 8). The USTs were permanently decommissioned in accordance with UST regulations established in WAC 173-360A, and Ecology's UST Guidance, and approximately 2,500 gallons of liquid product was removed during UST decommissioning. Additional over-excavation of PCS proximate to the USTs was conducted in October 2020 to depths of up to 10 feet bgs, and groundwater was not encountered during excavation activities. Excavation activities resulted the removal of all PCS containing COPCs at concentrations exceeding RLs at the limits of excavation. A total of approximately 390 tons of PCS was excavated proximate to the former USTs and transported to the Columbia Ridge Landfill in Arlington, Oregon under waste profile 1330200R. Soil disposal documentation is provided in Appendix F.

3.4.9 Soil Stockpile Sampling

During the interim action, Farallon supported the General Contractor by collecting samples from multiple soil stockpiles generated during development activities such as excavation of utility trenches, grading activities, excavation for building foundations, and soil generated for foundation preloading. Redevelopment activities included grading and handling of significant quantities of soil that did not exhibit evidence of contamination and/or were excavated outside of areas of known contamination. Soil stockpile samples were collected to evaluate whether soil excavated during redevelopment was suitable for reuse on the Site, and/or to evaluate options for off-Site disposal. A total of 32 stockpile soil samples were collected at various locations on the Site during the interim action (Tables 3, 4, and 6).

3.5 STORMWATER UTILITY INFRASTRUCTURE IMPROVEMENTS

As described in the IAPR, the interim action and Site redevelopment included significant stormwater utility improvements, including replacement and rerouting of existing stormwater utility infrastructure and installation of new stormwater lines to accommodate plans for Site redevelopment. Stormwater utility improvements included the following:

- Decommissioning of the existing 60-inch-diameter Washington State Department of Transportation (WSDOT) stormwater line that crossed the southern portion of the Site;
- Decommissioning of existing stormwater infrastructure in the eastern and northeastern portions of the Site;
- Installation of a new 60-inch-diameter WSDOT stormwater line transecting the southern portion of the Site before discharging to the LDW; and
- Installation of a new catch basin and stormwater line network equipped with Biopod biofiltration vaults on the eastern and northeastern portions of the Site, which discharges to a stormwater line in the Norfolk Street right-of-way. Stormwater infrastructure improvements continued between April 2022 and late 2024 with installation of additional stormwater catch basins and lines as development activities were conducted in the remaining portions of the Site. The final components of the Site stormwater system will be installed during construction of Building 5 in the central portion of the Site.

Plans and specifications for stormwater infrastructure improvements conducted during the interim action and Site redevelopment are presented on Figure 2 and in Appendix G.

3.6 PERMANENT STORMWATER INFRASTRUCTURE EVALUATION

Farallon conducted a permanent stormwater infrastructure evaluation on the Site in April 2022 in response to a request from Ecology to evaluate stormwater solids in permanent stormwater infrastructure on the Site for the presence of PCBs. As described in Ecology's *Lower Duwamish Waterway Source Control Sufficiency Evaluation Report – Upper Reach* dated June 2023 (Ecology 2023) (2023 Source Control Evaluation Report), beginning in 2021 Ecology requested assistance from Seattle Public Utilities with source tracing of PCBs that were discovered to have increased in LDW sediment samples collected near the South Norfolk Street Combined Sewer Outfall (CSO) approximately 0.17 mile west of the Site. Ecology and SPU collected stormwater system solids samples from public stormwater infrastructure connected to the South Norfolk Street CSO, which identified elevated concentrations of PCBs in a stormwater solids sample collected from a stormwater pipe beneath South Norfolk Street north of the Site (Ecology 2022a).

The permanent stormwater infrastructure evaluation consisted of evaluating catch basins CB-21, CB-23, CB-24, WSDOT-1, and WSDOT-9 for the presence of catch basin solids and collecting catch basin solids samples if present. Catch basins CB-21, CB-23, and CB-24 and associated piping located in the northern portion of the Site were newly installed and/or replaced during Site redevelopment, and ultimately discharge to the stormwater pipe beneath South Norfolk Street. WSDOT-1 and WSDOT 9, located on the eastern and western edges of the Site, respectively, are connected by a 60-inch stormwater pipe that was installed beneath the Site during redevelopment (Figure 14). Stormwater upstream of the Site enters the Site at WSDOT-1, passes beneath the Site to WSDOT-9, and ultimately discharges to the LDW west of East Marginal Way South.

During the permanent stormwater infrastructure evaluation, depth to water and depth to bottom in each catch basin was measured to the nearest 0.01 foot using an electronic water level measuring device. The hardness of the floor of the catch basins was noted to evaluate the potential presence of catch basin solids. Farallon also attempted to observe piping entering or exiting each catch basin, note whether solids were observed in the bottom of the piping, and record whether water was flowing into or out of each catch basin. If catch basin solids were determined to be present, a clamshell-style stainless-steel sediment sampler was lowered into each catch basin for collection of catch basin solids samples. Standing water inside the sampler was decanted, and solids were transferred into a stainless-steel mixing bowl for homogenization. Depending on the volume of solids retrieved, the sampler was lowered back into the catch basin to collect additional volume if necessary.

Homogenized solids were transferred to laboratory-supplied glass sample containers using a stainless-steel spoon. Reusable equipment was decontaminated using Liquinox detergent and distilled water between each sampling location.

Catch basin solids samples were collected from catch basins CB-23 and CB-24 (Figure 14), No catch basin solids were observed to be present in catch basins CB-21, WSDOT-1, and WSDOT-9. Catch basin solids samples were transported to F&B under standard chain of custody protocols for analysis of PCBs by EPA Method 8082A.

Total PCB Aroclors were detected at a concentration of 0.035 mg/kg in the solids sample collected from catch basin CB-23, proximate to the South Norfolk Street discharge location (Figure 14; Table 9). PCBs were reported non-detect at the laboratory practical quantitation limit in the solids sample collected from catch basin CB-24 located in the northeastern corner of the Site, upstream of CB-23. As described in Ecology's 2023 Source Control Evaluation Report, the Site was not identified as a specific ongoing source of PCBs to public stormwater infrastructure.

3.7 MONITORING WELL DECOMMISSIONING AND REPAIR

Monitoring wells DOF-4, DOF-5, MW-203, MW-207, MW-AG1, MW-AG2, MW-4, FMW-01, and FMW-03 were decommissioned between May and August 2020 by a licensed well driller by backfilling the well casing with bentonite chips from the total depth of the installation to surface grade in accordance with WAC 173-160-381. Monitoring wells DOF-1, DOF-3, and FMW-02 were decommissioned in March 2025 by a licensed well driller using a sonic drill rig to over-drill the total depth of the well in accordance with WAC 173-160-381. Well decommissioning logs are provided in Appendix H.

3.8 CONSTRUCTION STORMWATER TREATMENT, MONITORING, AND DISCHARGE

Construction stormwater and dewatered groundwater generated during Site redevelopment was conveyed to temporary stormwater detention ponds constructed in Area 13 during Site redevelopment (Figure 3). Stormwater in the ponds was pumped into a construction stormwater treatment system prior to discharge to the municipal stormwater system in the East Marginal Way right-of-way. The construction stormwater treatment system was monitored and sampled weekly by Clear Water to evaluate stormwater quality parameters and maintain compliance with Indicator Levels and/or discharge limits established in the CSWGP and Administrative Order. Groundwater parameters, including pH, turbidity, and concentrations of contaminants identified in the CSWGP and Administrative Order, were

reported to Ecology in monthly Discharge Monitoring Reports (DMRs) to maintain compliance with the CSWGP and Administrative Order.

As described in the 2022 IAPR, a total of approximately 85 million gallons of water was discharged to the LDW from the Site during interim action and redevelopment activities between August 2020 and March 2022. Between April 2022 and December 2024, a total of approximately 13 million gallons of water was discharged to the LDW from the Site during interim action and redevelopment activities.

DMRs submitted to Ecology during the interim action and redevelopment activities indicated that contaminants were detected at concentrations less than Indicator Levels, except for intermittent exceedances of copper and zinc. Exceedances of Indicator Levels were addressed in accordance with the CSWGP and Administrative Order. Upon first exceedance of an Indicator Level, Ecology was notified of the exceedance prior to submittal of the monthly DMR, and a follow-up sample was collected to evaluate whether the exceedance could be reproduced. No further action was taken if the exceedance could not be reproduced. If follow-up sampling confirmed an exceedance of an Indicator Level, operational modifications were implemented such as reducing flow to increase to duration of treatment for discharged water. If exceedances persisted following operational modifications, the treatment media in the construction stormwater treatment system were replaced. DMRs and discharge quantities are presented in Appendix I.

4.0 CONCLUSIONS

An interim action was conducted between June 2020 and April 2025 in conjunction with Site redevelopment. The interim action was conducted in accordance with the Agreed Order and scope of work presented in the IAWP and IADR.

Five USTs ranging in capacity from approximately 100 to 1,500 gallons, suspected to be historically used for storage of gasoline, diesel fuel, and/or used oil were discovered during Site redevelopment and decommissioned by removal as part of the interim action, including three USTs east of Area 6, one UST in Area 11, and one UST proximate to the boundary of Area 7 and Area 13. USTs were decommissioned under the observation of a Washington State UST Assessor in accordance with state and local regulations. UST decommissioning documentation is included in Appendix D.

Interim action activities included excavation of known PCS in three areas identified in the IADR (Areas 2, 6, and 7), and contingency excavation of several other discoveries of PCS and/or PCB-impacted brick and concrete debris discovered during redevelopment activities. A total of approximately 10,670 tons of PCS and approximately 345 tons of PCB-impacted brick and concrete debris was excavated for off-Site disposal at the Columbia Ridge Landfill in Arlington, Oregon during the interim action as presented in the following table. Soil disposal documentation is presented in Appendix F.

Excavation Area	Date	Classification	Tons
Area 2 PCS Excavation	June 2020	PCS	460
Area 6 PCS Excavation	September – October 2020	PCS	4,340
East of Area 6 UST Excavation	September 2020	PCS	390
Area 7 PCS Excavation	June 2020	PCS	800
Area 7 Utility Trenching	November 2022 and April 2024	PCS	155
Area 11 Utility Trenching	July – October 2020	PCS	600
Area 11 UST Excavation	October 2020	PCS	270
Area 12 Utility Trenching	January – March 2023	PCS	160

Area 7/Area 13 UST Excavation	August 2022	PCS	2,700
Area 13 Stormwater Pond Decommissioning	May 2022	PCS	390
Area 13 PCS Excavation	January 2024	PCS	405
Area 13 Brick Debris Excavation	January 2024	PCB-impacted Soil	345
Total PCS (Profile 133020OR)			**10,670**
Total PCB-Impacted Soil (Profile 138464OR)			**345**

Following completion of the interim action, residual PCS was left in place at concentrations exceeding RLs at three areas as described below:

- Area 2 – A localized area of PCS was left in place at depths between 5 and 7 feet bgs in the east sidewall of the interim action excavation due to proximity to the Perishables Warehouse and an adjacent high-pressure water line;
- Area 7 – PCS was left in place in the western sidewall of the interim action excavation and extending into the East Marginal Way South right-of-way at depths between approximately 10 and 15 feet bgs due to the presence of a high-pressure water line and the western property boundary that limited the western extent of excavation activities; and
- Area 11 – A localized area of PCS was left in place in the northern sidewall of the UST excavation area at a depth of approximately 10 feet bgs due to proximity to due to proximity to a newly installed 60-inch WSDOT stormwater line that limited the extent of excavation activities.

Approximately 98 million gallons of water was discharged to the LDW during interim action and redevelopment activities in accordance with the CSWGP and Administrative Order. DMRs and discharge quantities are presented in Appendix I.

The interim action and Site redevelopment included significant permanent stormwater utility improvements, including replacement and rerouting of existing stormwater utility infrastructure and installation of new stormwater lines. Plans and specifications for stormwater infrastructure improvements conducted during the interim action and Site redevelopment are provided in Appendix G.

5.0 EVALUATION OF THE INTERIM ACTION

The effectiveness of the interim action will be evaluated throughout the RI. The scope of work for the RI will be documented in a Remedial Investigation Work Plan in accordance with the Agreed Order. The scope of work to evaluate the interim actions will generally consist of:

1. Installation of additional groundwater monitoring wells, and comprehensive Site-wide monitoring and sampling to evaluate groundwater conditions proximate to and down-gradient of all interim action excavation areas.

2. A vapor intrusion assessment of the Perishables Warehouse to evaluate whether the limited residual petroleum hydrocarbon impacts left in-place during the interim action are an on-going risk to building occupants.

Details regarding these activities will be documented in the RIWP. Following execution of the RIWP, a RI Report will be prepared.

The RI Report will present all analytical results for soil samples left in-place following the interim actions and will compare those results to applicable PCULs to determine completed exposure pathways.

The RI Report will present all groundwater analytical results and will state if removal of impacted soil was effective in reducing concentrations of COPCs in groundwater and eliminating the potential for COPCs in groundwater to reach the LDW.

The RI Report will present the results of the vapor intrusion assessment and will state if the vapor intrusion risk has been eliminated or minimized.

6.0 REFERENCES

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7.0 LIMITATIONS

7.1 GENERAL LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- **Accuracy of Information.** Farallon obtained, reviewed, and evaluated certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy or authenticity. Should the information upon which Farallon relied prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- Reconnaissance and/or Characterization. Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

For the foregoing reasons, Farallon cannot and does not warrant or guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions can be considered valid only as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Prologis, Inc., and currently accepted industry standards. No other warranties, representations, or certifications are made.

7.2 LIMITATION ON RELIANCE BY THIRD PARTIES

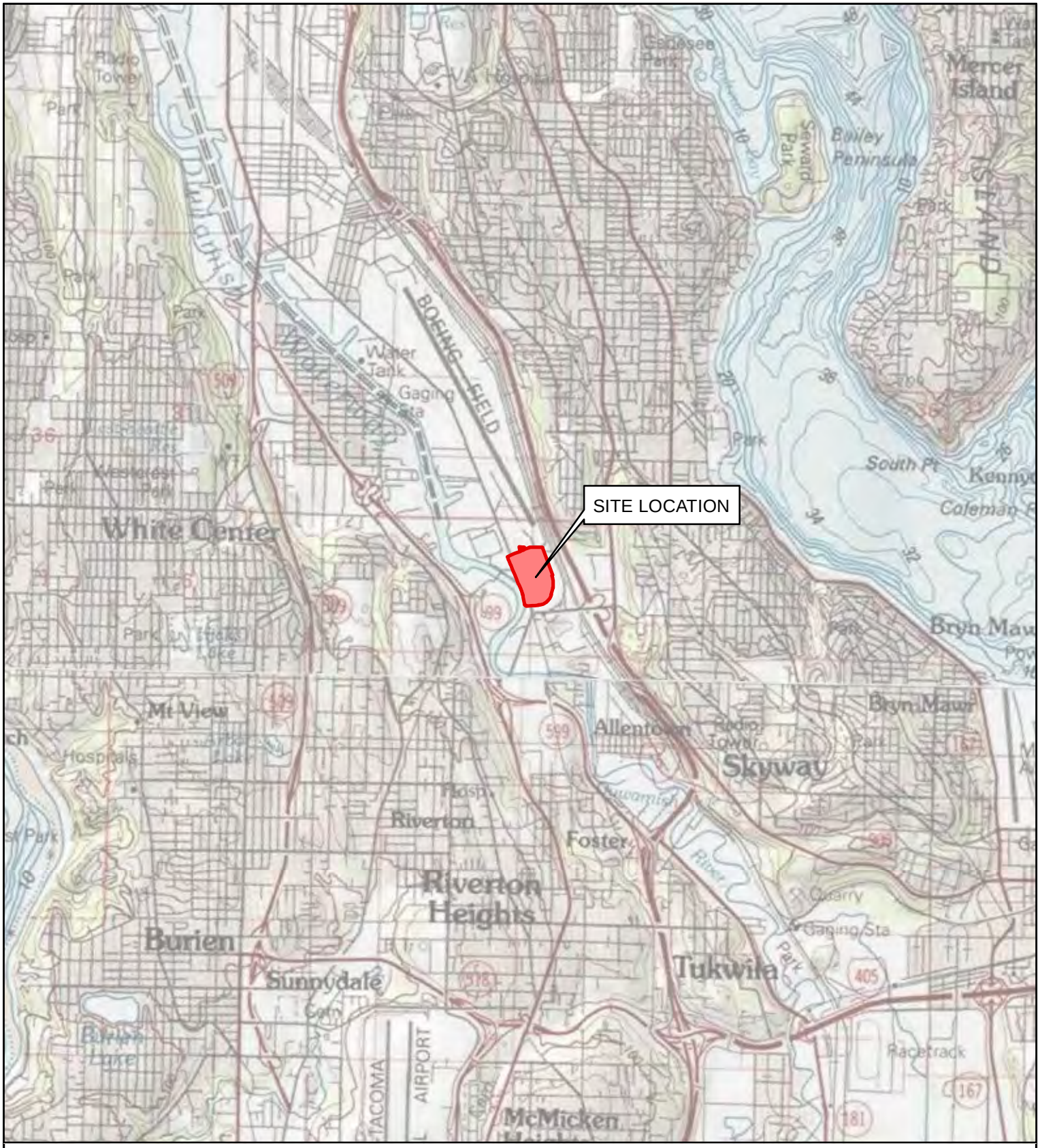
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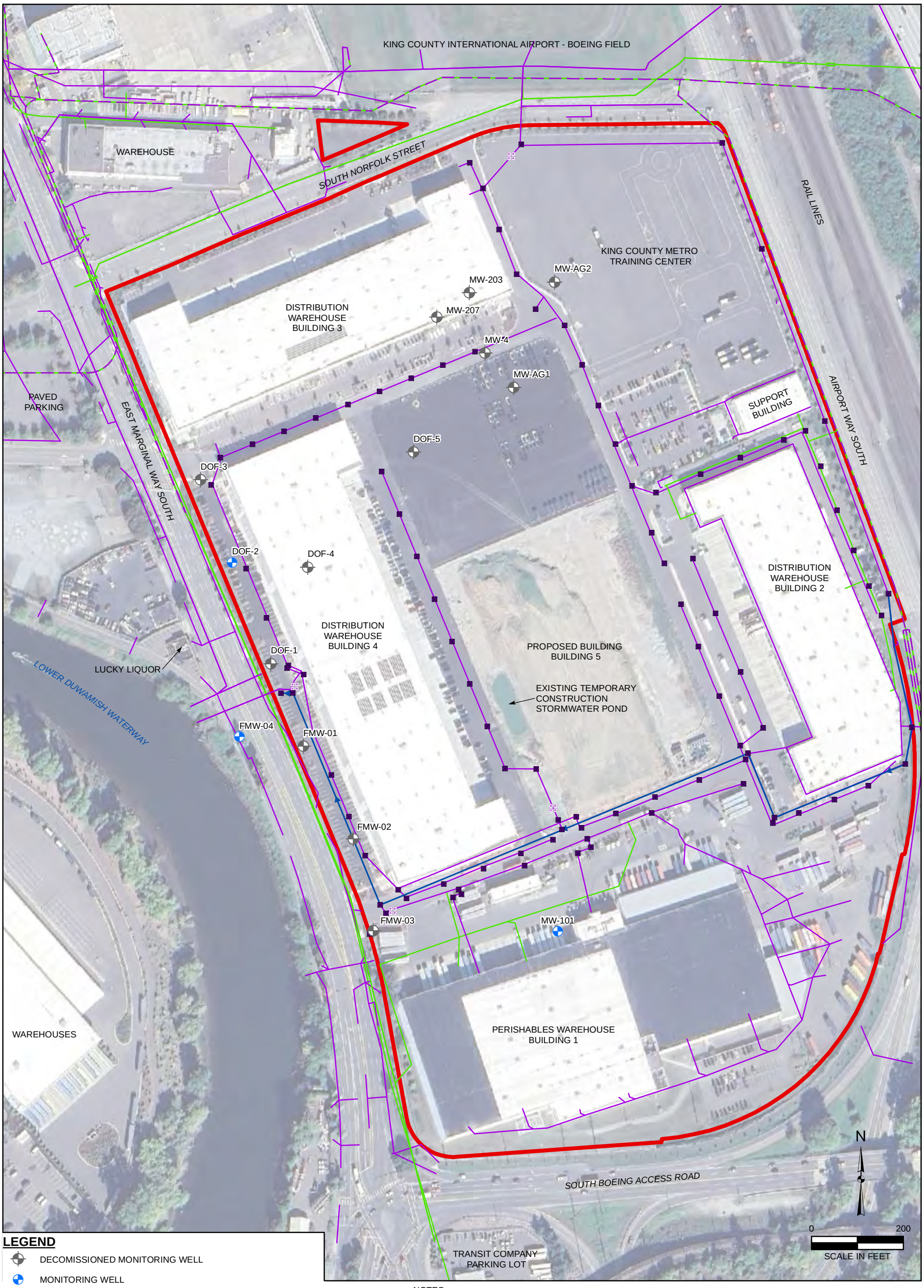
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FIGURES

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026


SITE LOCATION
Mercer Island
Bailey Peninsula
Seward Park
Park
South Pt
Kenny
Coleman
White Center
Boeing Field
Water Tank
Gaging Sta
Bryn Mawr
Mt View
Hospitals
Allentown
Radio Tower
Skyway
Riverton
Foster
Riverton Heights
Burien
Sunnydale
Tukwila
Quarry
Gaging Sta
Racetrack
Tacoma
Airport
McMicken
Heights
Lake
Park
Golf Course
Cemetery
Hospital
Radio Tower
Water Tank
Gaging Sta
Quarry
Racetrack
Airport
Tacoma
Swamp
River
Creek
Lake
Golf Course
Cemetery
Hospital
Park
Heights
Lake
Park



LEGEND

- DECOMISSIONED MONITORING WELL
- MONITORING WELL
- STORMWATER BIOPOD
- CATCH BASIN
- COMBINED SANITARY SEWER AND STORM DRAIN LINE
- SANITARY SEWER LINE
- STORM DRAIN LINE
- WSDOT 60" STORMWATER LINE
- SITE FEATURE
- SITE BOUNDARY

PCS = PETROLEUM CONTAMINATED SOIL
UST = UNDERGROUND STORAGE TANK

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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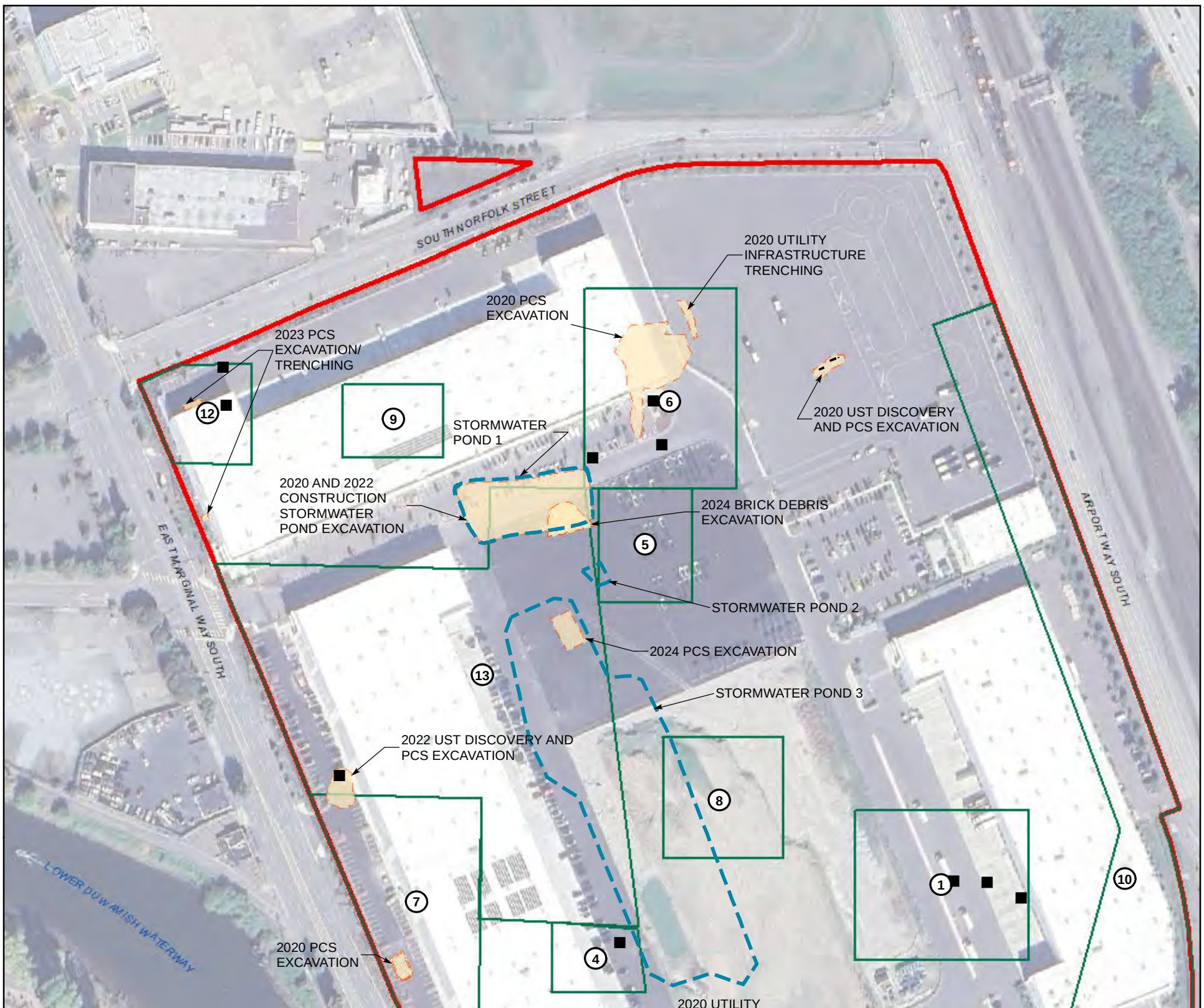
FIGURE 2

SITE PLAN
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

Drawn By: lmurock | Checked By: YP | Date: 7/28/2025 | Disc Reference:

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AREA	DESCRIPTION
1	DRY GROCERY WAREHOUSE
2	PERISHABLES WAREHOUSE
3	FORMER TRUCK WASH
4	FORMER FUELING AREA
5	FORMER TRAILER MAINTENANCE SHOP
6	FORMER TRUCK REPAIR SHOP
7	FORMER AUTOMOBILE SERVICE STATIONS
8	RETURNS BUILDING
9	FORMER EMPLOYEE PARKING LOT
10	UP-GRADIENT AREAS
11	FORMER SOUTH MAINTENANCE SHOP
12	FORMER OLD HUMBLE OIL SERVICE STATION
13	FORMER NORTHWEST AUTO WRECKING PROPERTY

LEGEND

- EXTENT OF FORMER STORMWATER POND
- INTERIM ACTION EXCAVATION AREA
- INVESTIGATION AREA
- SITE BOUNDARY
- FORMER UNDERGROUND STORAGE TANK (UST)

PCS = PETROLEUM CONTAMINATED SOIL
UST = UNDERGROUND STORAGE TANK

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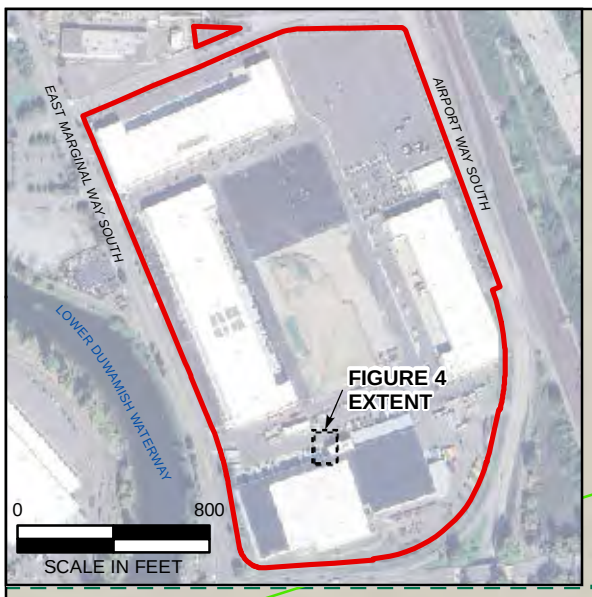
FIGURE 3

INTERIM ACTION EXCAVATION AREAS
(JUNE 2020-JANUARY 2025)
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

Drawn By: lmurock | Checked By: YP | Date: 7/28/2025 | Disc Reference:

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INVESTIGATION AREA 2

EX03-NSW-01
8.0'|<5.74|17.2|<5.42

EX03-B-02
14.0'|<6.48|<13|<7.85

EX03-ESW-01
7.0'|**5,380**|122|**1,330**

F-1
5.7'|**5,900**|<280|<28

EX03-WSW-02
8.0'|7.38|48.2|<7.79

F-2
7.0'|<28|<56|<5.7

EX03-ESW-01
11.0'|7.34|12.9|<7.37

MW-101

EXCAVATED TO ~14.5 FEET BGS

EX-2-2
7.0'|<33|<65|---

EX-2-3
7.0'|1,300|<59|---

EX-2-4
3.0'|<28|<55|---

EX03-B-01
14.5'|<6.56|<13.1|<7.91

P2-1
5.0-7.0'|9,900|<570|---

EX-2-1
5.0-7.0'|9,900|<570|---

EX03-WSW-01
11.0'|1,600|24.5|635

EX-2-5
9.0'|<34|<68|---

EX-2-6
7.0'|<28|<55|---

EX03-WSW-03
8.0'|<6.65|<13.3|<8.58

EX03-WSW-03
12.0'|<6.05|19.5|<6.87

EX03-SSW-01
12.0'|24.9|46.4|29

EX03-SSW-01
7.0'|109|17.1|16.3

PERISHABLES WAREHOUSE
BUILDING 1

EXISTING DIESEL
ABOVEGROUND
STORAGE TANK

FORMER UNDERGROUND
CONCRETE VAULT

F-24
9.0'|<5.35|<10.7|<4.43
12.5'|<6.8|32.9|<8.07
19.0'|<6.15|<12.3|<7.06

N

PERISHABLES WAREHOUSE
BUILDING 1

0
10
SCALE IN FEET

LEGEND

- PERFORMANCE SAMPLE (ONE OR MORE ANALYTES EXCEED REMEDIATION LEVEL)
- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2020)
- CONFIRMATION SAMPLE (FARALLON, 2020)
- BORING (FARALLON, 2019)
- CONFIRMATION SAMPLE (DOF, 2002)
- BORING (DOF, 2001)
- MONITORING WELL
- SANITARY SEWER LINE
- STORM DRAIN LINE
- HIGH PRESSURE WATER LINE (APPROXIMATE LOCATION)
- ESTIMATED EXTENT OF PCS REMAINING (DASHED WHERE INFERRED)
- FORMER SITE FEATURE
- FORMER REMEDIAL EXCAVATION AREA (2008)
- INTERIM ACTION EXCAVATION EXTENT (FARALLON, 2020)
- SLOPED SIDEWALL
- INVESTIGATION AREA
- SITE BOUNDARY

NOTES:
SAMPLE DEPTH AND CONCENTRATIONS REPORTED AS:
DEPTH | DRO | ORO | GRO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
DEPTH IN FEET BELOW GROUND SURFACE (BGS)
BOLD = DENOTES CONCENTRATIONS THAT EXCEED REMEDIATION LEVELS IN SOIL LEFT IN PLACE FOLLOWING INTERIM ACTION ACTIVITIES.
GRAY = OVEREXCAVATED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED.
--- = DENOTES SAMPLE NOT ANALYZED
GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
DRO = TPH AS DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
PCS = PETROLEUM CONTAMINATED SOIL

NOTES:
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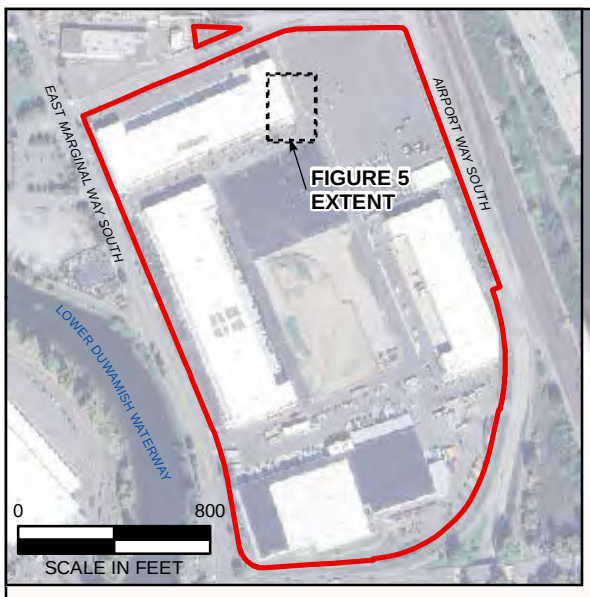
FIGURE 4

2020 EXCAVATION AND
SOIL ANALYTICAL RESULTS FOR TPH
AREA 2
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

Drawn By: lmurock | Checked By: YP | Date: 7/28/2025 | Disc Reference:

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FTP-17
7.0'|21|89|<5|<0.001
13.0'|<5|<10|<5|<0.001

FORMER
STORMWATER LINE

EXCAVATED TO 10 FEET BGS

SST-ESW-02
4.0'|<5|<10|<5|<0.001

FTP-13
11.0'|5|32|12|<0.001
13.0'|<5|18|<5|<0.001

FTP-12
7.0'|14|40|<5|<0.001
11.0'|<5|<10|<5|<0.001

EXCAVATED TO 18 TO 20 FEET BGS

FTP-11
6.0'|<5|<10|<5|<0.001
13.0'|<5|<10|<5|<0.001

FTP-16
9.0'|77|78|150|19
15.0'|550|25|1,200|32

EX04-SE-08
10.0'|<5|50|9.5|0.0019

EX04-B-01
18.0'|<5|<10|<5|<0.001

FTP-08
7.0'|28|67|74|0.57
11.0'|110|<10|93|0.0029

EX04-B-10
18.0'|<5|<10|<5|<0.001

FTP-10
9.0'|<5|<10|<5|<0.001
12.0'|<5|<10|<5|<0.001

EX04-SE-06
10.0'|<5|36|27|0.0015

FTP-14
9.0'|<5|<10|<5|<0.001
14.0'|<5|<10|<5|<0.001

EX04-B-02
10.0'|2,700|52|1,600|0.88

EX04-B-09
18.0'|<5|<10|<5|<0.001

FTP-09
7.0'|<5|<10|<5|<0.001
10.0'|<5|<10|<5|<0.001

EX04-B-03
20.0'|<5|<10|<5|<0.001

DISTRIBUTION
WAREHOUSE
BUILDING 3

EX04-SE-05
10.0'|<5|<10|<5|<0.001

EX04-B-04
18.0'|<5|<10|<5|<0.001

FTP-15
8.0'|17|61|12|0.17
14.0'|35|29|410|0.13

EX04-B-05
18.0'|<5|<10|<5|<0.001

EX04-SE-04
10.0'|62|710|<5|<0.001

EX04-SW-01
16.0'|<5|<10|<5|<0.001

EX04-B-07
18.0'|150|<10|**33**|<0.001

EX04-SW-04
10.0'|<5|34|<5|<0.001

EX04-SW-03
10.0'|<5|<10|<5|<0.001

EX04-SW-Pipe
14.0'|110|120|110|<0.002

EX04-SW-02
10.0'|<5|<10|<5|<0.001

STEEL PIPE ENCOUNTERED AT
APPROXIMATELY 14 FEET BGS

EX04-B-11
20.0'|<5|26|<5|<0.001

EX04-SW-10
10.0'|<5|12|<5|<0.001

EX04-SW-07
10.0'|<5|38|<5|<0.001

EX04-SW-06
6.0'|2,000|2,800|4,300|<0.001

EX04-B-12
16.0'|<5|<10|<5|<0.001

EX04-SW-09
10.0'|<5|18|<5|<0.001

EX04-SW-11
9.0'|6.3|16|<5|<0.001

N

0
20
SCALE IN FEET

NOTES:
SAMPLE DEPTH AND CONCENTRATIONS REPORTED AS:
DEPTH | DRO | ORO | GRO | BENZENE
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
DEPTH IN FEET BELOW GROUND SURFACE (BGS)
BOLD = DENOTES CONCENTRATIONS THAT EXCEED REMEDIATION LEVELS.
GRAY = OVEREXCAVATED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
BGS = BELOW GROUND SURFACE
PCS = PETROLEUM CONTAMINATED SOIL

LEGEND

- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2020)
- CONFIRMATION SAMPLE (FARALLON, 2020)
- STORM DRAIN LINE
- FORMER REMEDIAL EXCAVATION AREA (2007)
- INTERIM ACTION EXCAVATION AREA (FARALLON, 2020)
- SITE BOUNDARY

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 5

2020 EXCAVATION AND
SOIL ANALYICAL RESULTS FOR TPH AND BENZENE
AREA 6
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

Drawn By: lmurock | Checked By: YP | Date: 7/28/2025 | Disc Reference:

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INVESTIGATION AREA 7

EAST MARGINALWAY SOUTH

LOWER DUWAMISH WATERWAY

EXCAVATED TO ~16-18 FEET BGS

STORMWATER UTILITY CORRIDOR APPROXIMATELY 5 TO 12 FEET BGS

FMW-04
10.0'|<50|<250|<5|<0.001
10/24/2022|<50|<250|<100|<0.35

F-38
8.5'|<5|<10|<5|<0.001
12.0'|380|<10|**3,400**|<0.005
14.5'|<5|<10|<5|<0.001

F-37
8.0'|6.1|<10|17|<0.001
14.5'|770|<10|**11,000**|<0.3
20.0'|<5|<10|<5|<0.001
4/28/2021|**1,400**|<250|**1,200**|<0.35

F-35
9.0'|8.7|<10|20|0.0011
13.0'|1,700|<10|**8,200**|0.11
20.0'|<5|<10|7.2|<0.001
4/28/2021|250|<250|750|0.57

F-34
8.0'|5.0|<10|6.9|<0.001
14.0'|<5|<10|9.2|<0.001
18.0'|<5|<10|6.8|<0.001

F-36
8.0'|<5|<10|7.7|<0.001
14.0'|<5|<10|<5|<0.001
20.0'|<5|<10|<5|<0.001

FTP-01
5.0'|---|---|21.7|<0.00137
10.0'|<6.99|<14|<9.39|0.00078
15.0'|<6.3|<12.6|<7.43|<0.00112

FTP-07
5.0'|69.1|101|21.5|0.00528
10.0'|**2,450**|67.7|**5,590**|<1.29
15.0'|281|93.2|**1,760**|<1.31
16.0'|<6.24|<12.5|<7.52|<0.00136

FTP-02
5.0'|---|---|33.2|0.00072
10.0'|---|---|26.7|<0.00123
15.0'|---|---|<10.6|<0.00136

FTP-03
5.0'|---|---|35.6|<0.00097
10.0'|<6.7|<13.4|<8.33|0.00049
15.0'|<6.19|<12.4|50.3|<0.00121

FTP-06
5.0'|---|---|32.8|0.00074
10.0'|23.9|<13.2|**2,620**|<0.0694
15.0'|<6.06|<12.1|97.9|0.00033

FTP-05
5.0'|---|---|<6.93|0.00046
10.0'|<6.66|40.7|<8.17|0.00057
15.0'|13.4|115|<7|0.00078

NSW-01
7.0'|<6.9|20.0|<9.73|0.00201

NSW-01
15.0'|8.53|15.0|<7.98|0.00057

B-01
16.0'|16.4|157|100|<0.0894

WSW-01
7.0'|70.4|61.6|**4,880**|<1.91

WSW-01
15.0'|18|23.9|**11,900**|<1.41

WSW-03
4.0'|<50|420|<5|<0.001

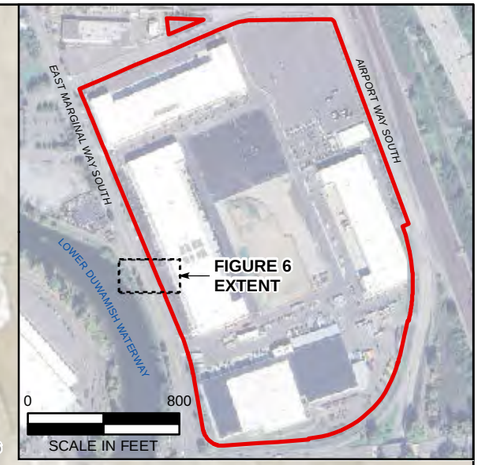
WSW-02
3.0'|<50|<250|<5|<0.001

B-03
18.0'|---|---|<6.83|<0.00118

SSW-01
15.0'|---|---|<7.39|<0.00117

SSW-01
7.0'|---|---|<8.35|0.00073

F-39



NOTES:
SOIL SAMPLE DEPTH AND CONCENTRATIONS REPORTED AS:
SAMPLE DEPTH | DRO | ORO | GRO | BENZENE
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM.
DEPTH IN FEET BELOW GROUND SURFACE (BGS).
GROUNDWATER SAMPLE DATE AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | DRO | ORO | GRO | BENZENE
GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER.
BOLD = DENOTES CONCENTRATIONS THAT EXCEED REMEDIATION LEVELS
GRAY = OVEREXCAVATED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
PCS = PETROLEUM CONTAMINATED SOIL

LEGEND

- PERFORMANCE SAMPLE (ONE OR MORE ANALYTES EXCEED CLEANUP LEVEL)
- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2020)
- CONFIRMATION SAMPLE (FARALLON, 2020)
- BORING (FARALLON, 2021)
- MONITORING WELL
- MONITORING WELL (ABANDONED)
- SANITARY SEWER LINE
- STORM DRAIN LINE
- WSDOT 60" STORMWATER LINE
- HIGH PRESSURE WATER LINE (APPROXIMATE LOCATION)
- ESTIMATED EXTENT OF PCS REMAINING (DASHED WHERE INFERRED)
- FORMER REMEDIAL EXCAVATION AREA
- APPROXIMATE EXTENT OF PETROLEUM IMPACTS IN 2024 UTILTIY TRENCH
- INTERIM ACTION EXCAVATION AREA (FARALLON, 2020)
- SLOPED SIDEWALL
- INVESTIGATION AREA
- SITE BOUNDARY

0 20
SCALE IN FEET

N

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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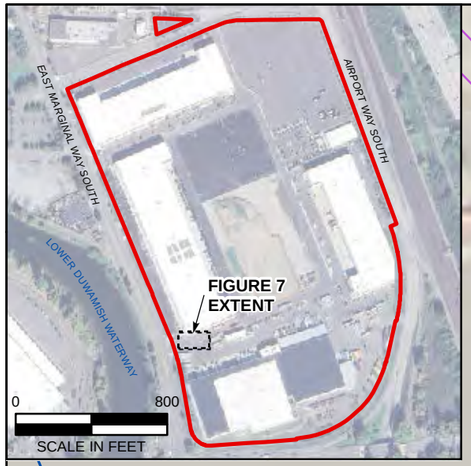
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FIGURE 6

2020 PCS EXCAVATION AND SOIL AND GROUNDWATER ANALYTICAL RESULTS FOR TPH AND BENZENE
AREA 7
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 500-001

Drawn By: lmurock | Checked By: YP | Date: 7/28/2025 | Disc Reference: Q:\Projects\1071 Prologis\026_EMarginalWay_SouthNorfolk\Mapfiles\09F_2025\Figure-06_Area-7_Soil-GW_TPH-B_Landscape.mxd



SWT-NSW-04-3.0
3.0'|25|280|<5

SWT-B-05-7.0
7.0'|<5|<10|<5

SWT-NSW-03-3.0
3.0'|<5|24|<5

SWT-SSW-04-3.0
3.0'|<5|28|<5

SWT-B-04-7.0
7.0'|<5|40|<5

SWT-NSW-02-2.0
2.0'|9.2|96|<5

SWT-SSW-03-3.0
3.0'|13|130|<5

SWT-B-03-8.0
8.0'|<5|19|<5

SWT-NSW-01-2.0
2.0'|<5|23|<5

SWT-SSW-02-2.0
2.0'|56|450|<5

SWT-B-01-2.0
2.0'|34|11|<5

SWT-B-02-8.0
8.0'|<5|10|<5

SWT-B-SSW-01-2.0
2.0'|18|110|<5

DWT-NSW-01-1.5
1.5'|16.4|88.6|<5.55

DWT-B-01-3.0
3.0'|47.2|248|**38.8**

DWT-SSW-01-1.5
1.5'|341|56.9|54.5

UST04-NSW-01-10.0
10.0'|89|230|**200**

EXCAVATED TO
12 TO 14 FEET BGS

SWT02-B-01-5.0
5.0'|6.4|68|<5

UST04-ESW-01-10.0
10.0'|19|180|23

UST04-B-01-8.0
8.0'|590|150|**370**

UST04-B-02-14.0
14.0'|<5|<10|<5

UST04-WSW-01-8.0
8.0'|18|240|13

UST04-SSW-01-8.0
8.0'|9.5|110|7.6

NOTES:
SAMPLE DEPTH AND CONCENTRATIONS REPORTED AS:
DEPTH | DRO | ORO | GRO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
DEPTH IN FEET BELOW GROUND SURFACE

BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE FOLLOWING REMEDIATION LEVELS:
DRO = 2,000 MILLIGRAMS PER KILOGRAM
ORO = 2,000 MILLIGRAMS PER KILOGRAM
GRO = 30 MILLIGRAMS PER KILOGRAM IF BENZENE IS DETECTED AND 100 MILLIGRAMS PER KILOGRAM IF BENZENE IS NOT DETECTED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED.
--- = DENOTES SAMPLE NOT ANALYZED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
PCS = PETROLEUM CONTAMINATED SOIL
UST = UNDERGROUND STORAGE TANK

LEGEND

- CONFIRMATION SAMPLE (FARALLON, 2020)
- PERFORMANCE SAMPLE (ONE OR MORE ANALYTES EXCEED REMEDIATION LEVEL)
- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2020)
- STORMWATER BIOPOD
- CATCH BASIN
- STORMWATER LINE
- WSDOT 60" STORMWATER LINE
- ESTIMATED EXTENT OF PCS REMAINING (DASHED WHERE INFERRED)
- FORMER UNDERGROUND STORAGE TANK
- INTERIM ACTION SOIL EXCAVATION AREA (FARALLON, 2020)
- SITE BOUNDARY

0 10
SCALE IN FEET

N

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
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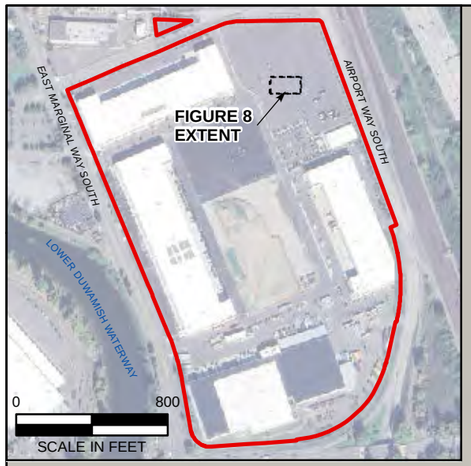
California
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FIGURE 7

2020 EXCAVATION AND
SOIL ANALYTICAL RESULS FOR TPH
AREA 11
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

Drawn By: lmurock
Checked By: YP
Date: 7/28/2025
Disc Reference: Q:\Projects\1071 Prologis\026_EMarginalWay_SouthNorfolk\Mapfiles\09F_2025\Figure-07_Area-11_Soil_TPH.mxd



UST03-SW-03
7.0'|28|130|<5|0.0104

UST02-N
5.0'|18|40|<5|---

UST03-SW-06
7.0'|50|230|<5|0.0132

UST02-B
7.0'|19|79|<5|0.0055

UST01-E
7.0'|23|94|<5|0.0067

UST01-N
7.0'|20|62|<5|0.0062

UST 02

UST 01

UST02-S
5.0'|49|100|<5|---

UST03-SW-07
7.0'|29|130|<5|0.0121

UST01-B
10.0'|<5|19|<5|0.0028

UST03-B-03
10.0'|<5|37|<5|<0.0015

UST01-W
7.0'|170|100|9.8|0.0057

UST01-S
7.0'|15|68|<5|0.0068

UST03-SW-05
7.0'|38|190|<5|0.0117

UST03-B-02
9.0'|22,000|5,300|620|3.3

UST03-B-02
9.0'|18|48|<5|<0.0015

UST 03

UST03-SW-02
7.0'|<5|<10|<5|<0.0015

UST03-SW-04
7.0'|200|170|<5|0.0162

UST03-B-01
8.0'|41|180|<5|0.0151

UST EXCAVATION
(EXCAVATED TO 10 FEET BGS)

UST03-SW-01
7.0'|31|150|<5|0.0133

LEGEND

- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2020)
- CONFIRMATION SAMPLE (FARALLON, 2020)
- FORMER UNDERGROUND STORAGE TANK (UST)
- INTERIM ACTION SOIL EXCAVATION AREA (FARALLON, 2020)
- SITE BOUNDARY

NOTES:
SAMPLE DEPTH AND CONCENTRATIONS REPORTED AS:
DEPTH | DRO | ORO | cPAH TEC
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
DEPTH IN FEET BELOW GROUND SURFACE (BGS)
GRAY = OVEREXCAVATED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED.
--- = DENOTES SAMPLE NOT ANALYZED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
cPAH = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS
TEC = TOXIC EQUIVALENT CONCENTRATION
PCS = PETROLEUM CONTAMINATED SOIL

0 10
SCALE IN FEET

N

NOTES:
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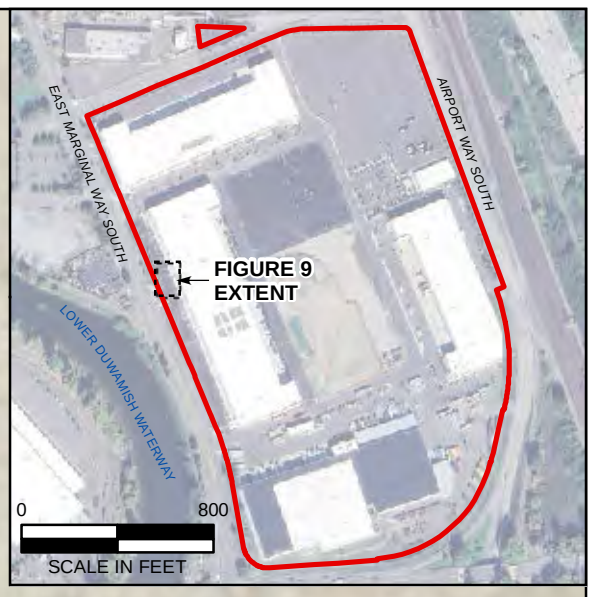
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Oakland | Irvine

FIGURE 8

2020 PCS EXCAVATION AND
SOIL ANALYTICAL RESULTS FOR TPH AND cPAHs
EAST OF AREA 6
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

Drawn By: lmurock | Checked By: YP | Date: 7/28/2025 | Disc Reference: Q:\Projects\1071 Prologis\026_EMarginalWay_SouthNorfolk\Mapfiles\09F_2025\Figure-08_DG-WH_Soil-TPH.mxd



FTP-23
7.0'|<50|<250|<5|---
12.0'|<50|<250|<5|<0.0015
17.0'|<50|<250|<5|---

EX05-NSW-02-7.0
7.0'|<2.5|36|<5|0.013

EX05-NSW-12.0
12.0'|<2.5|<12|<5|0.011

Trench-03-7.0
7.0'|<50|<250|14|---

FTP-21
7.0'|<50|<250|<5|<0.0015
12.0'|<50|<250|<5|<0.0015
17.0'|<50|<250|<5|---

EX05-B-01-16
16.0'|<2.5|<12|<5|<0.0015

UST-05

FTP-24
8.0'|<50|<250|<5|---
12.0'|<50|<250|<5|<0.0015
17.0'|<50|<250|<5|---

UST-05-WSW01-5.5
5.5'|**5,300**|730|**1,200**|**0.57**

UST-05-BOT01-7.0
7.0'|**15,000**|**4,400**|**2,500**|**7.2**

EX05-WSW-01-8.0
8.0'|<2.5|<12|<5|<0.0015

FTP-20

Trench-02-7.0
7.0'|<50|<250|<5|---

EXCAVATION TO DEPTH OF APPROXIMATELY 18 FEET BGS

EX05-ESW-01-12.0
12.0'|<2.5|<12|<5|<0.0015

EX05-ESW-02-7.0
7.0|22|170|<5|0.028

FTP-18
7.0'|<50|<250|<5|0.0780
12.0'|1,900|**13,000**|25|<0.0015
17.0'|<50|<250|<5|---

Trench-01-7.0
7.0'|**7,500**|**18,000**|**340**|0.12

INVESTIGATION AREA 13

INVESTIGATION AREA 7

EX05-B-04-18.0
18.0|<2.5|<12|<5|<0.0015

FTP-22
12.0'|<50|<250|<5|<0.0015

EX05-WSW-03-12.0
12.0'|<2.5|<12|<5|<0.0015

EX05-B-02-18.0
18.0'|53|430|<5|0.14

FTP-19
7.0'|**2,400**|**16,000**|36|---
11.0'|330|**3,800**|48|0.0460
16.0'|360|**3,100**|34|0.0270

EX05-ESW-03-7.0
7.0'|<50|<250|<5|0.0017

EX05-B-03-18.0
18.0'|<2.5|<12|<5|<0.0015

EX05-ESW-04-12.0
12.0'|<50|<250|<5|<0.0015

FTP-25
7.0'|<50|<250|<5|---
12.0'|<50|<250|<5|0.0120
17.0'|<50|<250|<5|---

EX05-SSW-01-12.0
12.0'|<2.5|<12|<5|<0.0015

NEW CATCH BASIN

EX05-SSW-02-7.0
7.0'|<50|<250|<5|0.029

EX05-SSW-03-12.0
12.0'|<50|<250|<5|<0.0015

NEW STORMWATER TRENCH

N

0
10
SCALE IN FEET

NOTES:
SOIL DEPTH AND ANALYTICAL RESULTS AS:
DEPTH IN FEET BELOW GROUND SURFACE | DRO | ORO | GRO | cPAH TEC
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM.
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL
GRAY = OVEREXCAVATED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
--- = DENOTES SAMPLE NOT ANALYZED
cPAH TEC = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBON TOXIC EQUIVALENT CONCENTRATION
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
PCS = PETROLEUM CONTAMINATED SOIL

LEGEND

- CATCH BASIN
- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2022)
- CONFIRMATION SAMPLE (FARALLON, 2022)
- STORMWATER LINE
- SITE FEATURE
- UNDERGROUND STORAGE TANK (UST)
- INVESTIGATION AREA
- INTERIM ACTION EXCAVATION EXTENT (FARALLON, 2020)
- SITE BOUNDARY

NOTES:
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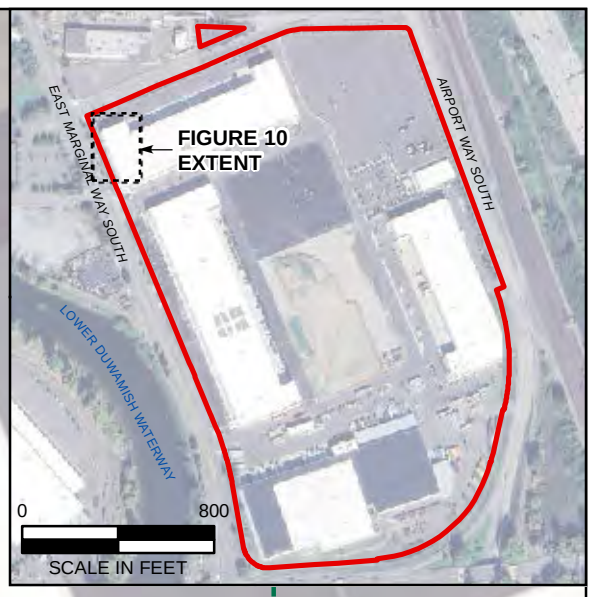
FIGURE 9

2022 EXCAVATION AND
SOIL ANALYTICAL RESULTS FOR TPH AND cPAHs
AREA 7/AREA 13
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

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ODOROUS SOIL ENCOUNTERED
DURING UTILITY TRENCHING

SST02-NSW
6.0'|<50|<250|<5|<0.02
10.0'|<50|<250|<5|<0.02

SST02-ESW
6.0'|<50|<250|<5|<0.02
10.0'|<50|<250|<5|<0.02

SST02-Trench Box
11.5'|<50|<250|<5|<0.02

SST02-WSW
6.0'|<50|<250|<5|<0.02
10.0'|<50|<250|<5|<0.02
11.0'|<50|<250|<5|<0.02

SST02-SSW-7.0
7.0'|<50|<250|<5|<0.02

SST02-SSW01-10.0
10.0'|<50|<250|97|<0.02

INVESTIGATION AREA 12

DISTRIBUTION WAREHOUSE
BUILDING 3

EAST MARGINAL WAY SOUTH

ODOROUS SOIL ENCOUNTERED
DURING UTILITY TRENCHING

SST03-E
5.0'|<50|<250|<5|<0.03

SST03-W
6.0'|76|<250|<5|<0.03

N

0 20
SCALE IN FEET

LEGEND

- CONFIMATION SAMPLE (FARALLON, 2023)
- TEST PIT (FARALLON, 2023)
- COMBINED SANITARY SEWER AND STORM DRAIN LINE
- SANITARY SEWER LINE
- STORM DRAIN LINE
- INTERIM ACTION EXCAVATION AREA (FARALLON, 2023)
- INVESTIGATION AREA
- SITE BOUNDARY

NOTES:
SOIL DEPTH AND ANALYTICAL RESULTS AS:
DEPTH IN FEET BELOW GROUND SURFACE | DRO | ORO | GRO | BENZENE
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM.
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
PCS = PETROLEUM CONTAMINATED SOIL

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FIGURE 10

2023 EXCAVATION AND
SOIL ANALYTICAL RESULTS FOR TPH
AREA 12
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

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2020 EXCAVATION OF APPROXIMATELY 2 FEET OF SOIL
FROM BASE OF POND, AND 2022 REMOVAL OF APPROXIMATELY
0.5 TO 1 FOOT OF SETTLED SOLIDS FROM BASE OF POND

INVESTIGATION AREA 13

POND-01-SED02
0.5'|60|710|<3|<0.0010|**0.64**

POND-01-SED01
0.5'|31|190|<3|<0.0010|0.021

POND-01-03
8.5'|<5|<25|---|---|<0.0015

POND-01-02
8.5'|<5|<25|---|---|<0.0015

POND-01-01
8.5'|<5|<25|---|---|<0.0015

STORMWATER
POND 1

BRICK DEBRIS EXCAVATED TO A DEPTH OF APPROXIMATELY
2 FEET BELOW BASE OF STORMWATER POND,
OR APPROXIMATELY 10 FEET BELOW SURROUNDING GRADE

STORMWATER
POND 2

EXCAVATION TO APPROXIMATELY 4 FEET
BENEATH BASE OF STORMWATER POND,
CORRESPONDING TO DEPTH OF
APPROXIMATELY 10 FEET BELOW SITE GRADE

FTP-35
7.0'|<50|<250|10|<0.001|---

FTP-34
7.0'|<50|<250|24|<0.001|---

POND-03-04
6.5'|870|<250|**2,000**|<0.3|<0.038
10.0'|<50|<250|10|0.011|---

FTP-41
6.0'|<50|<250|44|<0.02|---
9.0'|<50|<250|41|<0.02|---

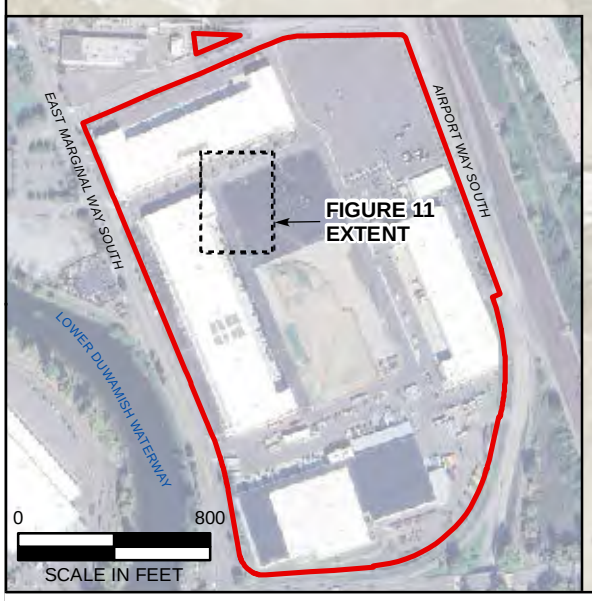
FTP-36
7.0'|<50|<250|12|<0.001|---

FTP-33
7.0'|140|<250|**880**|<0.03|---
10.0'|<50|<250|23|0.036|---

FTP-40
7.0'|<50|<250|41|<0.02|---
10.0'|<50|<250|<5|<0.02|---

FTP-37
7.0'|<50|<250|<5|<0.001|---

STORMWATER
POND 3



N

0
30
SCALE IN FEET

LEGEND

- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2022-2024)
- CONFIRMATION SAMPLE (FARALLON, 2022-2024)
- WATER VALVE
- HYDRANT
- CATCH BASIN
- APPROXIMATE ORIENTATION OF WATER LINE
- STORM DRAIN LINE
- EXTENT OF FORMER STORMWATER POND
- BRICK DEBRIS EXCAVATION AREA (FARALLON, 2024)
- 2020 AND 2022 CONSTRUCTION STORMWATER POND EXCAVATIONS
- PCS EXCAVATION AREA (FARALLON, 2024)
- INVESTIGATION AREA
- SITE BOUNDARY

NOTES:
SOIL DEPTH AND ANALYTICAL RESULTS AS:
DEPTH IN FEET BELOW GROUND SURFACE | DRO | ORO | GRO | BENZENE | cPAH TEC
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM.
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION CLEANUP LEVEL
GRAY = OVEREXCAVATED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
cPAH TEC = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBON TOXIC EQUIVALENT CONCENTRATION
PCS = PETROLEUM CONTAMINATED SOIL

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FIGURE 11

2020-2024 STORMWATER POND EXCAVATIONS AND SOIL ANALYTICAL RESULTS FOR TPH, BENZENE, AND cPAHs
AREA 13
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

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NOTES:
SOIL SAMPLE DEPTH AND ANALYTICAL RESULTS AS:
DEPTH IN FEET BELOW GROUND SURFACE | TOTAL PCBs
GRAY = OVEREXCAVATED
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT.
* = DENOTES SAMPLE PASSED THROUGH A #10 SIEVE, THE FINES WERE DISCARDED AND THE AGGREGATE WAS RINSED WITH DEIONIZED WATER PRIOR TO EXTRACTION.
PCB = POLYCHLORINATED BIPHENYL

INVESTIGATION AREA 13

FTP-27
8.0'|<0.018

EX02-B-02-2.0
2.0'|<0.18

EX02-B-01-2.0
2.0'|<0.18

FTP-28
8.0'|0.038

STORMWATER POND 1

POND-01-04
8.0'|0.20
8.0'|2.1*

FTP-48
8.0'|0.206

FTP-26
10.0'|<0.018

FTP-32
8.0'|<0.018

FTP-50
8.0'|<0.185

FTP-31
8.0'|<0.018

FTP-29
2.5'|0.17
2.5'|0.039*
8.0'|0.24
8.0'|0.026*

FTP-46
8.0'|<0.19

Scrape-N2
0-0.5'|<0.231

BRICK DEBRIS EXCAVATED TO A DEPTH OF APPROXIMATELY 2 FEET BELOW BASE OF STORMWATER POND, OR APPROXIMATELY 10 FEET BELOW SURROUNDING GRADE

FTP-30
8.0'|0.17
8.0'|0.028*

Pond-02-Deb
2.0'|0.118
2.0'|0.089*

STORMWATER POND 2

EXCAVATION TO APPROXIMATELY 4 FEET BENEATH BASE OF STORMWATER POND, CORRESPONDING TO DEPTH OF APPROXIMATELY 10 FEET BELOW SITE GRADE

Pond-03-02
3.5'|0.148
3.5'|0.161*

POND-03-04
6.5'|<0.27

STORMWATER POND 3

Pond-03-03
2.5'|0.123
2.5'|0.126*

Pond-03-01
2.0'|0.096
2.0'|0.099*

EAST MARGINAL WAY SOUTH
AIRPORT WAY SOUTH
LOWER DUWAMISH WATERWAY
FIGURE 12 EXTENT

0 800
SCALE IN FEET

N

0 30
SCALE IN FEET

LEGEND

- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2020)
- TEST PIT (FARALLON, 2022-2024)
- BRICK DEBRIS SAMPLING LOCATION (FARALLON, 2022)
- SOIL SAMPLE
- WATER VALVE
- HYDRANT
- CATCH BASIN
- APPROXIMATE ORIENTATION OF WATER LINE
- STORM DRAIN LINE
- EXTENT OF FORMER STORMWATER POND
- BRICK DEBRIS EXCAVATION AREA (FARALLON, 2024)
- 2020 AND 2022 CONSTRUCTION STORMWATER POND EXCAVATIONS
- PCS EXCAVATION AREA (FARALLON, 2024)
- INVESTIGATION AREA
- SITE BOUNDARY

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FIGURE 12

2020-2024 STORMWATER POND EXCAVATIONS AND SOIL ANALYTICAL RESULTS FOR PCBs
AREA 13
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

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NOTES:
SAMPLE DEPTH AND CONCENTRATIONS REPORTED AS:
SAMPLE DEPTH | ARSENIC | COPPER | LEAD
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
DEPTH IN FEET BELOW GROUND SURFACE
GRAY = OVEREXCAVATED
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
DENOTES SAMPLE PASSED THROUGH A #10 SIEVE,
* = THE FINES WERE DISCARDED AND THE AGGREGATE WAS RINSED WITH DEIONIZED WATER PRIOR TO EXTRACTION.

2020 EXCAVATION OF APPROXIMATELY 2 FEET OF SOIL FROM BASE OF POND, AND 2022 REMOVAL OF APPROXIMATELY 0.5 TO 1 FOOT OF SETTLED SOLIDS FROM BASE OF POND

INVESTIGATION AREA 13

STORMWATER POND 1

PR-PV6
0-0.5'|8|37.2|30

EX02-B-02
2.0'|7.90|18.7|---

PR-PV5
0-0.5'|8|55.9|59

EX02-B-01
2.0'|7.46|26.1|---

Pond-01-04
8.0'|---|---|63.6
8.0'|---|---|15.0*

SCRAPE-N2
0-0.5'|7|---|51

SCRAPE-N1
0-0.5'|7|---|18

PR-DP1
0-0.5'|8|30|91

PR-DP3
0-0.5'|7|---|162

BRICK DEBRIS EXCAVATED TO A DEPTH OF APPROXIMATELY 2 FEET BELOW BASE OF STORMWATER POND, OR APPROXIMATELY 10 FEET BELOW SURROUNDING GRADE

PR-DP2
0-0.5'|<7|---|83

PR-DP4
0-0.5'|6|---|144

Pond-02-Deb
2.0'|---|---|179
2.0'|---|---|54.1*

STORMWATER POND 2

SCRAPE-N3
0-0.5'|7|---|21

SCRAPE-N5
0-0.5'|<6|---|24

SCRAPE-N4
0-0.5'|8|---|78

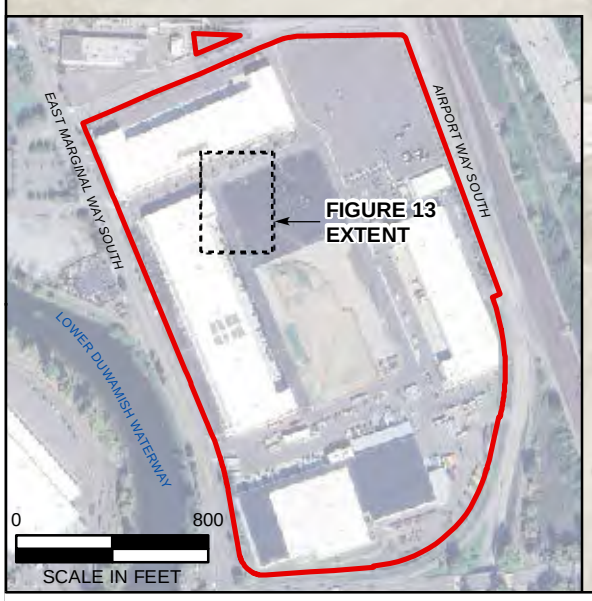
Pond-03-02
3.5'|---|---|289
3.5'|---|---|75.5*

Pond-03-04
6.5'|---|---|184

STORMWATER POND 3

Pond-03-03
2.5'|---|---|283
2.5'|---|---|65.6*

Pond-03-01
2.0'|---|---|196
2.0'|---|---|36.8*



N

0 30
SCALE IN FEET

LEGEND

- BRICK DEBRIS SAMPLING LOCATION (FARALLON, 2022)
- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2020)
- SOIL SAMPLE (DOF, 2008)
- WATER VALVE
- HYDRANT
- CATCH BASIN
- STORM DRAIN LINE
- APPROXIMATE ORIENTATION OF WATER LINE
- EXTENT OF FORMER STORMWATER POND
- BRICK DEBRIS EXCAVATION AREA (FARALLON, 2024)
- 2020 AND 2022 CONSTRUCTION STORMWATER POND EXCAVATIONS
- PCS EXCAVATION AREA (FARALLON, 2024)
- INVESTIGATION AREA
- SITE BOUNDARY

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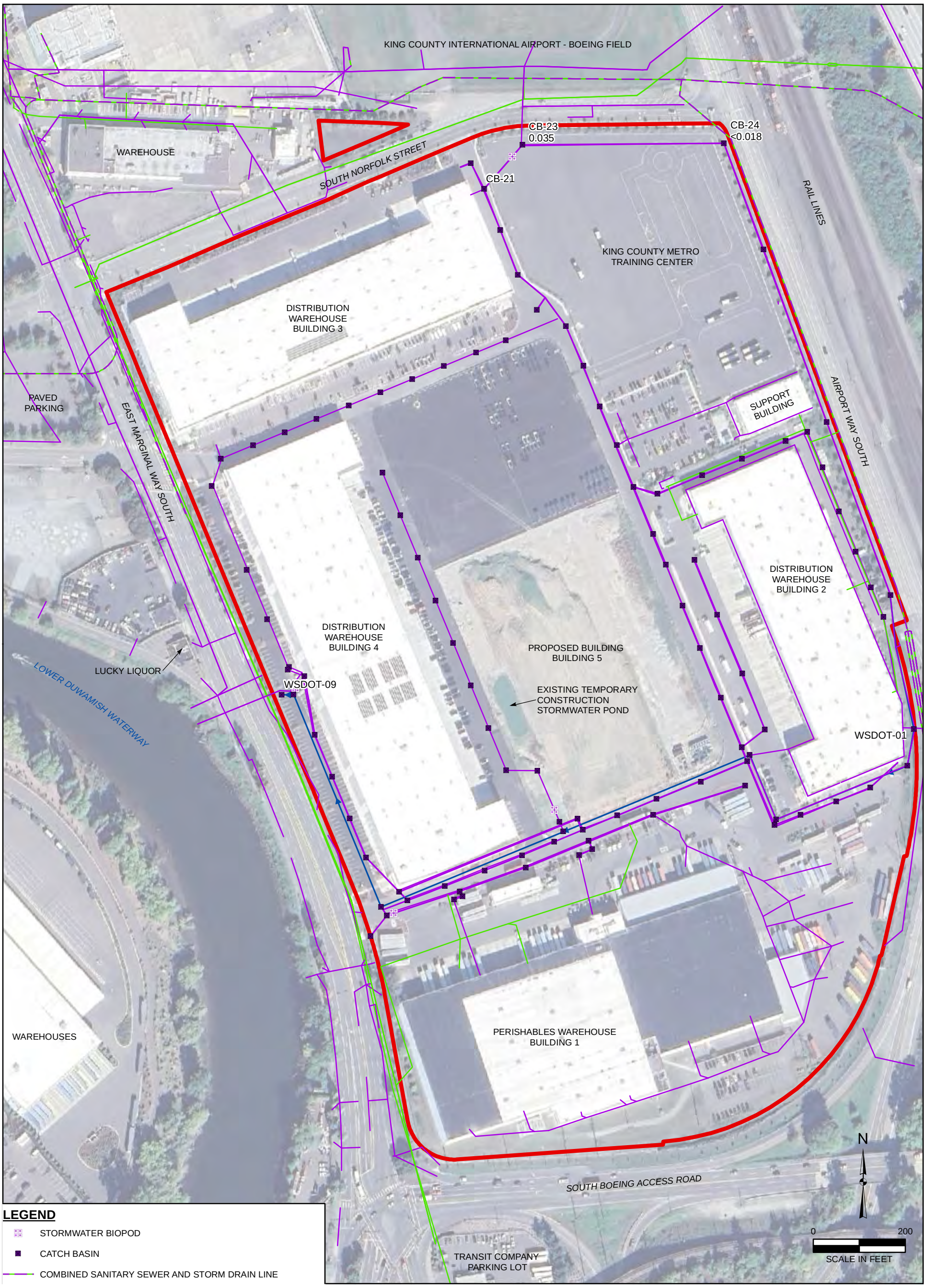
FIGURE 13

2020-2024 STORMWATER POND EXCAVATIONS AND SOIL ANALYTICAL RESULTS FOR METALS
AREA 13
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

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LEGEND

- STORMWATER BIOPOD
- CATCH BASIN
- COMBINED SANITARY SEWER AND STORM DRAIN LINE
- SANITARY SEWER LINE
- STORM DRAIN LINE
- STORMWATER LINE
- WSDOT 60' STORMWATER LINE
- SITE FEATURE
- SITE BOUNDARY

NOTES:
SOIL ANALYTICAL RESULTS:
TOTAL PCBs
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM.
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
PCB = POLYCHLORINATED BIPHENYL

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FIGURE 14

CATCH BASIN SOLIDS
ANALYTICAL RESULTS FOR PCBs
EMERALD GATEWAY SITE
3301 SOUTH NORFOLK STREET
SEATTLE/TUKWILA, WASHINGTON

FARALLON PN: 1071-026

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TABLES

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

Table 1
Soil and Groundwater COPCs for the Interim Action
Emerald Gateway Site
Seattle/Tukwila, Washington
Farallon PN: 1071-026

Constituents of Potential Concern	Area 2: Perishables Warehouse		Area 6: Former Truck Repair Shop		Area 7: Former Auto Service Stations	
	Soil	Groundwater	Soil	Groundwater	Soil	Groundwater
Petroleum Hydrocarbons						
DRO	X		X		X	X
ORO*					X*	X*
GRO			X	X	X	X
Benzene			X		X	
Toluene			X	X	X	X
Ethylbenzene			X	X	X	X
Xylenes			X	X	X	X
Polycyclic Aromatic Hydrocarbons (PAHs)						
Naphthalene					X	X
Total cPAHs TEC						X

NOTES:

X denotes the analyte has been detected at concentrations exceeding the most stringent Lower Duwamish Waterway (LDW) PCUL or screening level in one or more samples collected from the site.

* COPC added as area has not been fully characterized, is suspected to be present, and is a data gap.

COPC = constituents of pontetial concern
cPAH = carcinogenic polycyclic aromatic hydrocarbons
DRO = total petroleum hydrocarbons (TPH) as diesel-range orga
GRO = TPH as gasoline-range organics
LPAH = low molecular weight polycyclic aromatic hydrocarbon
PCUL = preliminary cleanup level
TEC = toxic equivalent concentration

Table 2
Soil Remediation Levels
Emerald Gateway Site
Seattle/Tukwila, Washington
Farallon PN: 1071-026

Consituents of Potential Concern	**Remediation Levels** (milligrams per kilogram)
Petroleum Hydrocarbons	
DRO	2,000
GRO	30/100[1]
Benzene	18
Polycyclic Aromatic Hydrocarbons (PAHs)	
Naphthalene	1,600
Total cPAHs TEC	0.19

NOTES:

[1]Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

cPAH = carcinogenic polycyclic aromatic hydrocarbons

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

PCUL = preliminary cleanup level

TEC = toxic equivalent concentration

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Area 2: Perishables Warehouse											
2020 Interim Action Excavation											
EX03-B-01	Farallon	EX03-B-01-14.5	14.5	6/22/2020	< 6.56	< 13.1	< 7.91 D	---	---	---	---
EX03-B-02	Farallon	EX03-B-02-14.0	14.0	6/22/2020	< 6.48	< 13	< 7.85 D	---	---	---	---
EX03-ESW-01	Farallon	EX03-ESW-01-7.0	7.0	6/22/2020	**5,380** D	122	**1,330** D	0.00537	0.0021	0.0009 J	0.00351
	Farallon	EX03-ESW-01-11.0	11.0	6/22/2020	7.34	12.9	< 7.37 D	---	---	---	---
EX03-NSW-01	Farallon	EX03-NSW-01-8.0	8.0	6/22/2020	< 5.74	17.2	< 5.42 D	---	---	---	---
EX03-SSW-01	Farallon	EX03-SSW-01-7.0	7.0	6/22/2020	109	17.1	16.3 D	---	---	---	---
	Farallon	EX03-SSW-01-12.0	12.0	6/22/2020	24.9	46.4	29 D	---	---	---	---
EX03-WSW-01	Farallon	EX03-WSW-01-11.0	11.0	6/22/2020	1,600 D	24.5	**635** D	---	---	---	---
EX03-WSW-02	Farallon	EX03-WSW-02-8.0	8.0	6/22/2020	7.38	48.2	< 7.79 D	---	---	---	---
EX03-WSW-03	Farallon	EX03-WSW-03-8.0	8.0	6/22/2020	< 6.65	< 13.3	< 8.58 D	---	---	---	---
	Farallon	EX03-WSW-03-12.0	12.0	6/22/2020	< 6.05	19.5	< 6.87 D	---	---	---	---
Area 6: Former Truck Repair Shop											
2020 Interim Action Excavation											
FTP-08	Farallon	FTP-08-7.0	7.0	9/9/2020	28 X	67	74	0.57	0.062	2.3	0.58
	Farallon	FTP-08-11.0	11.0	9/9/2020	110	< 10	93	0.0029	< 0.001	0.0087	0.0067
FTP-09	Farallon	FTP-09-7.0	7.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	FTP-09-10.0	10.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
FTP-10	Farallon	FTP-10-9.0	9.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	FTP-10-12.0	12.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
FTP-11	Farallon	FTP-11-6.0	6.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	FTP-11-13.0	13.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
FTP-12	Farallon	FTP-12-7.0	7.0	9/9/2020	14 X	40	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	FTP-12-11.0	11.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
FTP-13	Farallon	FTP-13-11.0	11.0	9/9/2020	5 X	32 X	12	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	FTP-13-13.0	13.0	9/9/2020	< 5	18 X	< 5	< 0.001	< 0.001	< 0.001	< 0.003
FTP-14	Farallon	FTP-14-9.0	9.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	FTP-14-14.0	14.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
FTP-15	Farallon	FTP-15-8.0	8.0	9/9/2020	17 X	61	12	0.17	0.052	0.078	0.26
	Farallon	FTP-15-14.0	14.0	9/9/2020	35	29	**410**	0.13	0.0027	0.20	0.100
FTP-16	Farallon	FTP-16-9.0	9.0	9/9/2020	77	78	**150**	**19**	1.5	32	79.2
	Farallon	FTP-16-15.0	15.0	9/9/2020	550	25 X	**1,200**	**32**	2.4	110	374.2
FTP-17	Farallon	FTP-17-7.0	7.0	9/9/2020	21 X	89	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	FTP-17-13.0	13.0	9/9/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Soil Remediation Levels[6]					**2,000**	**NA**	**30/100[7]**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
EX04-B-01	Farallon	EX04-B-01-18.0	18.0	9/17/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-02	Farallon	EX04-B-02-10.0	10.0	9/18/2020	**2,700**	52 X	**1,600**	0.88	< 0.05	7.2	0.18
EX04-B-03	Farallon	EX04-B-03-20.0	20.0	9/18/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-04	Farallon	EX04-B-04-18.0	18.0	9/21/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-05	Farallon	EX04-B-05-18.0	18.0	9/21/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-07	Farallon	EX04-B-07-18.0	18.0	9/22/2020	150	< 10	33	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-09	Farallon	EX04-B-09-18.0	18.0	9/22/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-10	Farallon	EX04-B-10-18.0	18.0	9/30/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-11	Farallon	EX04-B-11-20.0	20.0	9/30/2020	< 5	26	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-B-12	Farallon	EX04-B-12-16.0	16.0	9/30/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SE-04	Farallon	EX04-SE-04-10.0	10.0	9/22/2020	62 X	710	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SE-05	Farallon	EX04-SE-05-10.0	10.0	9/22/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SE-06	Farallon	EX04-SE-06-10.0	10.0	9/30/2020	< 5	36	27	0.0015	0.0012	< 0.001	0.0165
EX04-SE-08	Farallon	EX04-SE-08-10.0	10.0	9/30/2020	< 5	50	9.5	0.0019	0.0012	0.0021	0.0255
EX04-SW-01	Farallon	EX04-SW-01-16.0	16.0	9/21/2020	< 5	< 10	< 5	< 0.001	< 0.001	0.0013	0.0023
EX04-SW-02	Farallon	EX04-SW-02-10.0	10.0	9/22/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SW-03	Farallon	EX04-SW-03-10.0	10.0	9/22/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SW-04	Farallon	EX04-SW-04-10.0	10.0	9/22/2020	< 5	34	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SW-06	Farallon	EX04-SW-06-6.0	6.0	9/30/2020	2,000 X	2,800	**4,300**	< 0.001	< 0.001	0.0021	< 0.003
EX04-SW-07	Farallon	EX04-SW-07-10.0	10.0	9/30/2020	< 5	38	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SW-09	Farallon	EX04-SW-09-10.0	10.0	9/30/2020	< 5	18	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SW-10	Farallon	EX04-SW-10-10.0	10.0	9/30/2020	< 5	12	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SW-11	Farallon	EX04-SW-11-9.0	9.0	9/30/2020	6.3 X	16	< 5	< 0.001	< 0.001	< 0.001	< 0.003
EX04-SW-Pipe	Farallon	EX04-SW-PIPE-14.0	14.0	9/22/2020	110 X	120 X	**110**	< 0.002	< 0.002	< 0.002	0.0045
2020 Utility Infrastructure Trenching											
SST-ESW-02	Farallon	SST-ESW-02-4.0	4.0	9/16/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Dry Grocery Warehouse (East of Area 6)											
2020 UST Decommissioning											
UST01	Farallon	UST01-B-10.0	10.0	8/20/2020	< 5	19	< 5	< 0.0010	< 0.0010	< 0.0010	< 0.0030
	Farallon	UST01-E-7.0	7.0	8/20/2020	23 X	94	< 5	< 0.0010	< 0.0010	< 0.0010	< 0.0030
	Farallon	UST01-N-7.0	7.0	8/20/2020	20 X	62	< 5	< 0.0010	< 0.0010	< 0.0010	< 0.0030
	Farallon	UST01-S-7.0	7.0	8/20/2020	15 X	68	< 5	< 0.0010	< 0.0010	< 0.0010	< 0.0030
	Farallon	UST01-W-7.0	7.0	8/20/2020	170	100	9.8	< 0.0010	< 0.0010	< 0.0010	< 0.0030
UST02	Farallon	UST02-B-7.0	7.0	8/20/2020	19 X	79	< 5	< 0.0010	< 0.0010	< 0.0010	< 0.0030
	Farallon	UST02-N-5.0	5.0	8/20/2020	18	40	< 5	---	---	---	---
	Farallon	UST02-S-5.0	5.0	8/20/2020	49	100	< 5	---	---	---	---
UST03	Farallon	UST03-02-5.0	5.0	10/2/2020	**22,000** J	5,300 J	**620**	0.066	0.95	0.69	4.8
	Farallon	UST03-B-01-8.0	8.0	10/8/2020	41 X	180	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-B-02-9.0	9.0	10/8/2020	18	48	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-B-03-10.0	10.0	10/8/2020	< 5	37	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-SW-01-7.0	7.0	10/8/2020	31 X	150	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-SW-02-7.0	7.0	10/8/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-SW-03-7.0	7.0	10/8/2020	28 X	130	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-SW-04-7.0	7.0	10/8/2020	200 X	170	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-SW-05-7.0	7.0	10/8/2020	38 X	190	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-SW-06-7.0	7.0	10/8/2020	50 X	230	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST03-SW-07-7.0	7.0	10/8/2020	29 X	130	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Area 7: Former Automobile Service Stations											
2020 Interim Action Excavation											
B-01	Farallon	B-01-16.0	16.0	6/11/2020	16.4	157	100	< 0.0894	< 0.0894	0.0658 J	0.209
B-03	Farallon	B-03-18.0	18.0	6/18/2020	---	---	< 6.83	< 0.00118	0.00022 J	< 0.00118	0.00074 J
FTP-01	Farallon	FTP-01-5.0	5.0	6/5/2020	---	---	21.7 D	< 0.00137	< 0.00137	< 0.00137	< 0.00411
	Farallon	FTP-01-10.0	10.0	6/5/2020	< 6.99	< 14	< 9.39 D	0.00078 J	< 0.00142	< 0.00142	< 0.00427
	Farallon	FTP-01-15.0	15.0	6/5/2020	< 6.3	< 12.6	< 7.43 D	< 0.00112	< 0.00112	< 0.00112	< 0.00337
FTP-02	Farallon	FTP-02-5.0	5.0	6/5/2020	---	---	33.2 D	0.00072 J	0.00047 J	< 0.00135	< 0.00405
	Farallon	FTP-02-10.0	10.0	6/5/2020	---	---	26.7 D	< 0.00123	< 0.00123	< 0.00123	< 0.00368
	Farallon	FTP-02-15.0	15.0	6/5/2020	---	---	< 10.6 D	< 0.00136	< 0.00136	< 0.00136	< 0.00407
FTP-03	Farallon	FTP-03-5.0	5.0	6/5/2020	---	---	35.6 D	< 0.00097	< 0.00097	< 0.00097	< 0.0029
	Farallon	FTP-03-10.0	10.0	6/5/2020	< 6.7	< 13.4	< 8.33 D	0.00049 J	< 0.00132	< 0.00132	< 0.00395
	Farallon	FTP-03-15.0	15.0	6/5/2020	< 6.19	< 12.4	50.3 D	< 0.00121	< 0.00121	< 0.00121	< 0.00363
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
FTP-05	Farallon	FTP-05-5.0	5.0	6/5/2020	---	---	< 6.93 D	0.00046 J	< 0.00117	< 0.00117	< 0.00351
	Farallon	FTP-05-10.0	10.0	6/5/2020	< 6.66	40.7	< 8.17 D	0.00057 J	< 0.00123	< 0.00123	< 0.00369
	Farallon	FTP-05-15.0	15.0	6/5/2020	13.4	115	< 7 D	0.00078 J	< 0.00103	< 0.00103	< 0.00308
FTP-06	Farallon	FTP-06-5.0	5.0	6/5/2020	---	---	32.8 D	0.00074 J	0.00056 J	0.00118 J	0.01024 J
	Farallon	FTP-06-10.0	10.0	6/5/2020	23.9	< 13.2	**2,620** D	< 0.0694 D	< 0.0694 D	< 0.0694 D	< 0.2084 D
	Farallon	FTP-06-15.0	15.0	6/5/2020	< 6.06	< 12.1	97.9 D	0.00033 J	< 0.00091	0.0116	0.02771 J
FTP-07	Farallon	FTP-07-5.0	5.0	6/5/2020	69.1	101	21.5 D	0.00528	0.00208	0.00153	0.00189 J
	Farallon	FTP-07-10.0	10.0	6/5/2020	**2,450** D	677 D	**5,590** D	< 1.29 D	< 1.29 D	3.75 D	19.4 D
	Farallon	FTP-07-15.0	15.0	6/5/2020	281	93.2	**1,760** D	< 1.31 D	< 1.31 D	3.69 D	13.5 D
	Farallon	FTP-07-16.0	16.0	6/5/2020	< 6.24	< 12.5	< 7.52 D	< 0.00136	< 0.00136	< 0.00136	< 0.00408
NSW-01	Farallon	NSW-01-7.0	7.0	6/11/2020	< 6.9	20.0	< 9.73	0.00201	0.00057 J	< 0.00135	< 0.00405
	Farallon	NSW-01-15.0	15.0	6/11/2020	8.53	15.0	< 7.98	0.00057 J	< 0.00126	< 0.00126	< 0.00378
SSW-01	Farallon	SSW-01-7.0	7.0	6/18/2020	---	---	< 8.35	0.00073 J	0.00071 J	< 0.0018	< 0.0054
	Farallon	SSW-01-15.0	15.0	6/18/2020	---	---	< 7.39	< 0.00117	0.00022 J	< 0.00117	< 0.0035
WSW-01	Farallon	WSW-01-7.0	7.0	6/11/2020	70.4	61.6	**4,880** D	< 1.91	< 1.91	2.79 D	9.735 D J
	Farallon	WSW-01-15.0	15.0	6/11/2020	118	23.9	**11,900** D	< 1.41	< 1.41	31 D	130.47 D J
2021 Right-of-Way Subsurface Investigation											
F-34	Farallon	F-34-8	8.0	4/28/2021	5.0 X	< 10	6.9	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	F-34-14	14.0	4/28/2021	< 5	< 10	9.2	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	F-34-18	18.0	4/28/2021	< 5	< 10	6.8	< 0.001	< 0.001	< 0.001	< 0.003
F-35	Farallon	F-35-9	9.0	4/28/2021	8.7 X	< 10	20	0.0011	< 0.002	< 0.002	0.018
	Farallon	F-35-13	13.0	4/28/2021	1,700 X	< 10	**8,200**	0.11	< 0.5	23	28
	Farallon	F-35-20	20.0	4/28/2021	< 5	< 10	7.2	< 0.001	< 0.001	< 0.001	< 0.003
F-36	Farallon	F-36-8	8.0	4/28/2021	< 5	< 10	7.7	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	F-36-14	14.0	4/28/2021	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	F-36-20	20.0	4/28/2021	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
F-37	Farallon	F-37-8	8.0	4/28/2021	6.1 X	< 10	17	< 0.001	< 0.001	< 0.001	0.0034
	Farallon	F-37-14.5	14.5	4/28/2021	770 X	< 10	**11,000**	< 0.3	< 0.5	0.87	11
	Farallon	F-37-20	20.0	4/28/2021	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
F-38	Farallon	F-38-8.5	8.5	4/28/2021	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	F-38-12	12.0	4/28/2021	380 X	< 10	**3,400**	< 0.005	< 0.005	< 0.006	< 0.016
	Farallon	F-38-14.5	14.5	4/28/2021	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
2022 Right-of-Way Well Installation											
FMW-04	Farallon	FMW-4-10.0	10.0	10/20/2022	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
2022 Utility Infrastructure Trenching											
SST01-ESW	Farallon	SST01-ESW	2.0	11/10/2022	130 X	1,100	< 5	< 0.001	< 0.001	0.0015	0.0051
SST01-WSW-3.0	Farallon	SST01-WSW-3.0	3.0	11/16/2022	75 X	820	< 5	< 0.03	< 0.05	< 0.05	< 0.15
SST01-B	Farallon	SST01-B	9.0	11/10/2022	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
2024 Utility Infrastructure Trench Samples											
WSW-02	Farallon	WSW-02-3.0	3.0	4/17/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
WSW-03	Farallon	WSW-03-4.0	4.0	4/17/2024	< 50	420	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Stockpile Samples											
STP01-111022	Farallon	STP01-111022	NA	11/10/2022	710 X	4,900	< 5	< 0.001	< 0.001	< 0.001	< 0.003
SP-01-041724	Farallon	SP-01-041724	NA	4/17/2024	< 50	420	**460**	< 0.001	< 0.001	0.55	0.601
Area 11: Former South Maintenance Shop											
2020 Utility Infrastructure Trenching											
DWT-B-01	Farallon	DWT-B-01-3.0	3.0	7/16/2020	47.2	248	38.8 D	0.00041 J	0.00039 J	< 0.00138	< 0.00414
DWT-NSW-01	Farallon	DWT-NSW-01-1.5	1.5	7/16/2020	16.4	88.6	< 5.55 D	< 0.00104	< 0.00104	< 0.00104	< 0.00311
DWT-SSW-01	Farallon	DWT-SSW-01-1.5	1.5	7/16/2020	341 D	56.9 D	54.5 D	< 0.00108	< 0.00108	< 0.00108	< 0.00325
SWT-B-01	Farallon	SWT-B-01-2.0	2.0	8/27/2020	34	11	< 5	---	---	---	---
SWT-B-02	Farallon	SWT-B-02-8.0	8.0	8/27/2020	< 5	10	< 5	---	---	---	---
SWT-B-03	Farallon	SWT-B-03-8.0	8.0	8/28/2020	< 5	19	< 5	---	---	---	---
SWT-B-04	Farallon	SWT-B-04-7.0	7.0	8/28/2020	< 5	40	< 5	---	---	---	---
SWT-B-05	Farallon	SWT-B-05-7.0	7.0	8/28/2020	< 5	< 10	< 5	---	---	---	---
SWT-B-SSW-01	Farallon	SWT-B-SSW-01-2.0	2.0	8/27/2020	18 X	110	< 5	---	---	---	---
SWT-NSW-01	Farallon	SWT-NSW-01-2.0	2.0	8/27/2020	< 5	23	< 5	---	---	---	---
SWT-NSW-02	Farallon	SWT-NSW-02-2.0	2.0	8/28/2020	9.2 X	96	< 5	---	---	---	---
SWT-NSW-03	Farallon	SWT-NSW-03-3.0	3.0	8/28/2020	< 5	24	< 5	---	---	---	---
SWT-NSW-04	Farallon	SWT-NSW-04-3.0	3.0	8/28/2020	25 X	280	< 5	---	---	---	---
SWT-SSW-02	Farallon	SWT-SSW-02-2.0	2.0	8/28/2020	56 X	450	< 5	---	---	---	---
SWT-SSW-03	Farallon	SWT-SSW-03-3.0	3.0	8/28/2020	13 X	130	< 5	---	---	---	---
SWT-SSW-04	Farallon	SWT-SSW-04-3.0	3.0	8/28/2020	< 5	28	< 5	---	---	---	---
SWT02-B-01	Farallon	SWT02-B-01-5.0	5.0	10/26/2020	6.4 X	68	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Stockpile-01	Farallon	STOCKPILE-01-01-20200714	NA	7/14/2020	13.6	68.2	< 8.55 D	0.00039 J	< 0.00105	< 0.00105	< 0.00315
	Farallon	STOCKPILE-01-02-20200714	NA	7/14/2020	9.58	57.7	< 5.96 D	0.00075 J	0.00024 J	< 0.0011	< 0.00330
	Farallon	STOCKPILE-01-03-20200714	NA	7/14/2020	106 D	537 D	32.6 D	0.00062 J	0.00035 J	< 0.00099	< 0.00298
Stockpile-04	Farallon	STOCKPILE-04-20200716	NA	7/16/2020	317	2,150	23.7 D	< 0.00105	< 0.00105	< 0.00105	< 0.00315
STP03-01	Farallon	STP03-01-100820	NA	10/8/2020	120	870	35	---	---	---	---
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
2020 UST Decommissioning											
UST04	Farallon	UST04-B-01-8.0	8.0	10/21/2020	590	150	**370**	0.0022	0.040	0.026	0.317
	Farallon	UST04-B-02-14.0	14.0	10/21/2020	< 5	< 10	< 5	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST04-ESW-01-10.0	10.0	10/21/2020	19 X	180	23	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST04-NSW-01-10.0	10.0	10/21/2020	89 X	230	**200**	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST04-SSW-01-8.0	8.0	10/21/2020	9.5 X	110	7.6	< 0.001	< 0.001	< 0.001	< 0.003
	Farallon	UST04-WSW-01-8.0	8.0	10/21/2020	18 X	240	13	< 0.001	< 0.001	< 0.001	0.0039
Area 12: Former Old Humble Oil Service Station											
2023 Utility Infrastructure Trenching											
SST02-NSW-6.0	Farallon	SST02-NSW-6.0	6.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-NSW-10.0	Farallon	SST02-NSW-10.0	10.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-ESW-6.0	Farallon	SST02-ESW-6.0	6.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-ESW-10.0	Farallon	SST02-ESW-10.0	10.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-SSW-7.0	Farallon	SST02-SSW-7.0	7.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-SSW01-10.0	Farallon	SST02-SSW01-10.0	10.0	1/30/2023	< 50	< 250	97	< 0.02 J	< 0.1	< 0.1	< 0.3
SST02-WSW-6.0	Farallon	SST02-WSW-6.0	6.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-WSW-10.0	Farallon	SST02-WSW-10.0	10.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-WSW-11.0	Farallon	SST02-WSW-11.0	11.0	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST02-Trench Box	Farallon	SST02-TRENCH BOX -11.5	11.5	2/3/2023	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
SST03-W	Farallon	SST03-W-6.0	6.0	3/14/2023	76	< 250	< 5	< 0.03	< 0.05	< 0.05	< 0.15
SST03-E	Farallon	SST03-E-5.0	5.0	3/14/2023	< 50	< 250	< 5	< 0.03	< 0.05	< 0.05	< 0.15
Stockpile Samples											
Stockpile	Farallon	STP-01-031423	NA	3/14/2023	< 50	< 250	< 5	< 0.03	< 0.05	< 0.05	< 0.15
Stockpile 01	Farallon	STP-01-013023	NA	1/30/2023	< 50	< 250	**160**	< 0.02	0.029	< 0.02	0.26
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
Area 13: Former Northwest Auto Wrecking Property											
2022 UST Excavation											
TRENCH-01	Farallon	TRENCH-01-7.0	7.0	6/13/2022	**7,500**	**18,000**	**340**	< 0.001	< 0.02	0.0086	0.038
TRENCH-02	Farallon	TRENCH-02-7.0	7.0	6/13/2022	< 50	< 250	< 5	0.0010	< 0.02	0.0012	0.0040
TRENCH-03	Farallon	TRENCH-03-7.0	7.0	6/13/2022	< 50	< 250	14	0.11	< 0.02	0.085	0.61
FTP-18	Farallon	FTP-18-7.0	7.0	6/15/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-18-12.0	12.0	6/15/2022	1,900 X	**13,000**	25	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-18-17.0	17.0	6/15/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
FTP-19	Farallon	FTP-19-7.0	7.0	6/15/2022	**2,400** X	**16,000**	36	< 0.001	< 0.02	0.0035	0.0167
	Farallon	FTP-19-11.0	11.0	6/15/2022	330 X	**3,800**	48	< 0.001	< 0.02	0.010	0.043
	Farallon	FTP-19-16.0	16.0	6/15/2022	360 X	**3,100**	34	< 0.001	< 0.02	0.0091	0.0344
FTP-21	Farallon	FTP-21-7.0	7.0	6/15/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-21-12.0	12.0	6/15/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	0.0064
	Farallon	FTP-21-17.0	17.0	6/15/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
FTP-22	Farallon	FTP-22-12.0	12.0	6/15/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
FTP-23	Farallon	FTP-23-7.0	7.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-23-12.0	12.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-23-17.0	17.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
FTP-24	Farallon	FTP-24-8.0	8.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-24-12.0	12.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-24-17.0	17.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
FTP-25	Farallon	FTP-25-7.0	7.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-25-12.0	12.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
	Farallon	FTP-25-17.0	17.0	6/16/2022	< 50	< 250	< 5	< 0.001	< 0.02	< 0.001	< 0.003
UST-05-WSW01-5.5	Farallon	UST-05-WSW01-5.5	5.5	8/26/2022	**5,300** X	730 X	**1,200**	1.6	22	11	214
UST-05-BOT01-7.0	Farallon	UST-05-BOT01-7.0	7.0	8/26/2022	**15,000** X	**4,400** X	**2,500**	**110**	770	190	1,520
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
EX05-NSW-12.0	Farallon	EX05-NSW-12.0	12.0	8/29/2022	< 2.5	< 12	< 5	< 0.001	0.0029	0.0013	< 0.003
EX05-NSW-02-7.0	Farallon	EX05-NSW-02-7.0	7.0	8/30/2022	< 2.5	36	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-ESW-01-12.0	Farallon	EX05-ESW-01-12.0	12.0	8/30/2022	< 2.5	< 12	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-ESW-02-7.0	Farallon	EX05-ESW-02-7.0	7.0	8/30/2022	22 X	170	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-ESW-03-7.0	Farallon	EX05-ESW-03-7.0	7.0	8/31/2022	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-ESW-04-12.0	Farallon	EX05-ESW-04-12.0	12.0	8/31/2022	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-SSW-01-12.0	Farallon	EX05-SSW-01-12.0	12.0	8/30/2022	< 2.5	< 12	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-SSW-02-7.0	Farallon	EX05-SSW-02-7.0	7.0	8/31/2022	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-SSW-03-12.0	Farallon	EX05-SSW-03-12.0	12.0	8/31/2022	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-WSW-01-8.0	Farallon	EX05-WSW-01-8.0	8.0	8/29/2022	< 2.5	< 12	< 5	< 0.001	0.0078	0.0069	0.0069
EX05-WSW-03-12.0	Farallon	EX05-WSW-03-12.0	12.0	8/30/2022	< 2.5	< 12	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-B-01-16	Farallon	EX05-B-01-16	16.0	8/29/2022	< 2.5	< 12	< 5	< 0.001	0.0093	0.0043	0.0263
EX05-B-02-18.0	Farallon	EX05-B-02-18.0	18.0	8/29/2022	53 X	430	< 5	< 0.001	0.0025	0.0011	< 0.003
EX05-B-03-18.0	Farallon	EX05-B-03-18.0	18.0	8/30/2022	< 2.5	< 12	< 5	< 0.02	< 0.02	< 0.02	< 0.06
EX05-B-04-18.0	Farallon	EX05-B-04-18.0	18.0	8/30/2022	< 2.5	< 12	< 5	< 0.02	< 0.02	< 0.02	< 0.06
Stockpile Samples											
SP-01-082922	Farallon	SP-01-082922	NA	8/29/2022	29 X	210	< 5	< 0.001	0.0052	0.0051	0.115
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
2022-2024 Stormwater Pond Investigation and Excavation											
Pond-01-SED01	Farallon	POND-01-SED01-0.5	0.5	4/27/2022	31 X	190	< 3	< 0.0010	0.0011	0.0012	0.0023
Pond-01-SED02	Farallon	POND-01-SED02-0.5	0.5	4/27/2022	60 X	710	< 3	< 0.0010	0.0012	0.0013	0.0025
Pond-01-01	Farallon	POND-01-01-0.5	8.5	5/10/2022	< 5	< 25	---	---	---	---	---
Pond-01-02	Farallon	POND-01-02-0.5	8.5	5/10/2022	< 5	< 25	---	---	---	---	---
Pond-01-03	Farallon	POND-01-03-0.5	8.5	5/10/2022	< 5	< 25	---	---	---	---	---
Pond-03-04	Farallon	POND-03-04-0.5	6.5	9/6/2023	870 X	< 250	**2,000**	< 0.3	< 0.5	15	5.1
	Farallon	POND-03-04-4.0	10.0	9/6/2023	< 50	< 250	10	0.011	0.0014	0.017	0.0059
FTP-33	Farallon	FTP-33-1.0	7.0	9/6/2023	140 X	< 250	**880**	< 0.03 J	< 0.5	4.4	< 1.5
	Farallon	FTP-33-4.0	10.0	9/6/2023	< 50	< 250	23	0.036	0.0012	0.022	0.0072
FTP-34	Farallon	FTP-34-1.0	7.0	9/6/2023	< 50	< 250	24	< 0.001	0.0019	0.0065	< 0.003
FTP-35	Farallon	FTP-35-1.0	7.0	9/6/2023	< 50	< 250	10	< 0.001	< 0.001	< 0.001	< 0.003
FTP-36	Farallon	FTP-36-1.0	7.0	9/6/2023	< 50	< 250	12	< 0.001	< 0.001	< 0.001	0.0076
FTP-37	Farallon	FTP-37-1.0	7.0	9/8/2023	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
FTP-40	Farallon	FTP-40-7.0	7.0	1/8/2024	< 50	< 250	41	< 0.02	0.29	0.11	0.55
	Farallon	FTP-40-10.0	10.0	1/8/2024	< 50	< 250	< 5	< 0.02	< 0.02	< 0.02	< 0.06
FTP-41	Farallon	FTP-41-6.0	6.0	1/8/2024	< 50	< 250	44	< 0.02	0.25	0.20	0.32
	Farallon	FTP-41-9.0	9.0	1/8/2024	< 50	< 250	41	< 0.02	0.17	0.16	< 0.06
Stockpile Samples - Various Areas											
PEG3-PL-01	Farallon	PEG3-PL-01-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-02	Farallon	PEG3-PL-02-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-03	Farallon	PEG3-PL-03-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-04	Farallon	PEG3-PL-04-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-05	Farallon	PEG3-PL-05-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-06	Farallon	PEG3-PL-06-032624	NA	3/26/2024	< 50	350	< 5	< 0.001	< 0.001	< 0.001	0.0028
PEG3-PL-07	Farallon	PEG3-PL-07-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-08	Farallon	PEG3-PL-08-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-09	Farallon	PEG3-PL-09-032624	NA	3/26/2024	< 50	320	< 5	< 0.001	< 0.001	< 0.001	< 0.003
PEG3-PL-10	Farallon	PEG3-PL-10-032624	NA	3/26/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
STP-01-031324	Farallon	STP-01-031324	NA	3/13/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
STP-02-031324	Farallon	STP-02-031324	NA	3/13/2024	< 50	730	< 5	< 0.001	< 0.001	< 0.001	< 0.003
STP-03-031324	Farallon	STP-03-031324	NA	3/13/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003

Table 3
Interim Action Soil Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	Xylenes[4]
STP-04-031324	Farallon	STP-04-031324	NA	3/13/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	0.0039
STP-05-031324	Farallon	STP-05-031324	NA	3/13/2024	< 50	710	< 5	< 0.001	< 0.001	< 0.001	< 0.003
STP-06-031324	Farallon	STP-06-031324	NA	3/13/2024	< 50	350	< 5	< 0.001	< 0.001	< 0.001	< 0.003
STP-07-031324	Farallon	STP-07-031324	NA	3/13/2024	< 50	< 250	< 5	< 0.001	0.0015	< 0.001	0.0012
STP-08-031324	Farallon	STP-08-031324	NA	3/13/2024	< 50	350	< 5	< 0.001	< 0.001	< 0.001	0.0013
STP-09-031324	Farallon	STP-09-031324	NA	3/13/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**
STP-10-031324	Farallon	STP-10-031324	NA	3/13/2024	< 50	340	< 5	< 0.001	< 0.001	< 0.001	< 0.003
STP-11-031324	Farallon	STP-11-031324	NA	3/13/2024	< 50	< 250	< 5	< 0.001	0.0058	< 0.001	0.0037
STP-12-031324	Farallon	STP-12-031324	NA	3/13/2024	< 50	< 250	< 5	< 0.001	< 0.001	< 0.001	< 0.003
Soil Remediation Levels[6]					**2,000**	**NA**	**100**	**18**	**NA**	**NA**	**NA**

NOTES:

Results in **bold** denote concentrations exceeding applicable remediation level.

Results in **bold** and highlighted yellow denote concentrations exceeding applicable remediation level left in place following the interim action.

Gray highlight indicates sample was overexcavated during the interim action.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

— denotes sample not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWTPH-Dx.

[3]Analyzed by Northwest Method NWTPH-Gx.

[4]Analyzed by U.S. Environmental Protection Agency Method 8021 or 8260.

[5]Analyzed by Northwest Method NWTPH-HCID (hydrocarbon identification).

[6]Soil remediation levels from Table 2.

BTEX = benzene, toluene, ethylbenzene, and xylenes

D = the reported value is from a dilution.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

J = result is an estimate.

LDW = Lower Duwamish Waterway

NA = not applicable

ORO = TPH as oil-range organics

UST = underground storage tank

X = The sample chromatographic pattern does not resemble the fuel standard used for quanti

Table 4
Interim Action Soil Analytical Results for PAHs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2] Non-Carcinogenic PAHs											Analytical Results (milligrams per kilogram)[2] Carcinogenic PAHs													
					Naphthalene[3]	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(j,k)Fluoranthene	Benzo(j)Fluoranthene	Benzo(k)Fluoranthene	Total Benzofluoranthenes	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[5,6]	Total LPAHs	Total HPAHs
Area 2: Perishables Warehouse																													
2020 Interim Action Excavation																													
EX03-B-01	Farallon	EX03-B-01-14.5	14.5	6/22/2020	< 0.00496	0.00278 J	0.00375 J	< 0.00496	< 0.00496	< 0.00496	< 0.00496	< 0.00496	< 0.00496	< 0.00496	< 0.00496	< 0.00496	< 0.00496	< 0.00496	---	< 0.00496	< 0.00496	< 0.00992	< 0.00496	< 0.00496	< 0.00496	< 0.00399	0.0028	< 0.0546
EX03-B-02	Farallon	EX03-B-02-14.0	14.0	6/22/2020	< 0.00495	0.0145	0.024	0.00086 J	< 0.00495	< 0.00495	< 0.00495	< 0.00495	0.00122 J	0.00218 J	< 0.00495	< 0.00495	< 0.00495	< 0.00495	---	< 0.00495	< 0.00495	< 0.00989	< 0.00495	< 0.00495	< 0.00495	< 0.00398	0.0145	0.0034
EX03-ESW-01	Farallon	EX03-ESW-01-7.0	7.0	6/22/2020	0.106 J D	21.8 D	34.5 D	0.713 D	0.604 D	0.231 D	< 0.049 D	0.0644 D	2.27 D	3.82 D	0.142 D	< 0.049 D	< 0.049 D	< 0.049 D	---	< 0.049 D	< 0.049 D	< 0.0981 D	0.0331 D J	< 0.049 D	< 0.049 D	0.0395	22.2	6.12
	Farallon	EX03-ESW-01-11.0	11.0	6/22/2020	0.0106	0.274	0.477	0.0074	0.00342 J	0.00117 J	< 0.00491	0.00082 J	0.0242	0.038	0.00289 J	< 0.00491	< 0.00491	< 0.00491	---	< 0.00491	< 0.00491	< 0.00983	< 0.00491	< 0.00491	< 0.00491	< 0.00395	0.2789	0.0622
EX03-NSW-01	Farallon	EX03-NSW-01-8.0	8.0	6/22/2020	0.00197 J	0.00506	0.00785	0.00063 J	< 0.0049	< 0.0049	0.0022 J	0.00349 J	< 0.0049	0.00328 J	0.00432 J	0.00179 J	0.00203 J	0.00217 J	---	0.00117 J	0.00112 J	0.00455 J	0.00344 J	< 0.0049	0.00165 J	0.00288	0.0169	0.0194
EX03-SSW-01	Farallon	EX03-SSW-01-7.0	7.0	6/22/2020	0.0075	0.157	0.103	0.0115	0.00625	0.00472 J	0.0015 J	0.00471 J	0.0457	0.068	0.00514	0.00128 J	0.00144 J	0.00195 J	---	0.00068 J	0.00079 J	0.00354 J	0.00278 J	< 0.00483	0.00113 J	0.00215	0.1744	0.1260
	Farallon	EX03-SSW-01-12.0	12.0	6/22/2020	0.0132	0.558 D	0.785 D	0.00966	0.00164 J	0.00143 J	< 0.00486	0.00169 J	0.0168	0.0218	0.00192 J	< 0.00486	< 0.00486	< 0.00486	---	< 0.00486	< 0.00486	< 0.00972	< 0.00486	< 0.00486	< 0.00486	< 0.00391	0.5630	0.0386
EX03-WSW-01	Farallon	EX03-WSW-01-11.0	11.0	6/22/2020	0.0136 M	3.04 D	4.78 D	0.365	0.127	0.0532	0.00137 J	0.0251	0.759 D	1.39 D	0.0446	< 0.00493	0.00211 J	< 0.00493	---	< 0.00493	< 0.00493	< 0.00986	0.00899	< 0.00493	< 0.00493	0.004	3.16	2.16
EX03-WSW-02	Farallon	EX03-WSW-02-8.0	8.0	6/22/2020	0.0128	0.0159	0.0219	0.003 J	0.0041 J	0.00417 J	0.0256	0.0356	0.00111 J	0.0248	0.0489	0.0248	0.0263	0.0214	---	0.0147	0.0132	0.0501	0.0327	0.00513	0.0186	0.0351	0.155	0.208
EX03-WSW-03	Farallon	EX03-WSW-03-8.0	8.0	6/22/2020	< 0.00494	0.0147	0.0233	0.00117 J	< 0.00494	< 0.00494	< 0.00494	< 0.00494	0.00208 J	0.00192 J	0.0008 J	< 0.00494	< 0.00494	< 0.00494	---	< 0.00494	< 0.00494	< 0.00987	< 0.00494	< 0.00494	< 0.00494	< 0.00398	0.0155	0.00400
	Farallon	EX03-WSW-03-12.0	12.0	6/22/2020	< 0.00494	0.00166 J	0.0026 J	< 0.00494	< 0.00494	< 0.00494	0.00114 J	0.00124 J	< 0.00494	0.00164 J	0.00136 J	< 0.00494	< 0.00494	< 0.00494	---	0.00108 J	0.001 J	< 0.00988	0.00115 J	< 0.00494	< 0.00494	0.00368	0.0054	0.0049
Dry Grocery Warehouse (East of Area 6)																													
2020 Interim Action Excavation																													
UST01	Farallon	UST01-B-10.0	10.0	8/20/2020	---	---	---	---	---	---	---	---	---	---	---	0.0022	0.0020	< 0.002	---	---	< 0.002	< 0.004	0.0026	< 0.002	< 0.002	0.0028	---	0.0068
	Farallon	UST01-E-7.0	7.0	8/20/2020	---	---	---	---	---	---	---	---	---	---	---	0.0054	0.0051	< 0.002	---	---	< 0.002	< 0.004	0.0066	< 0.002	0.0041	0.0067	---	0.0212
	Farallon	UST01-N-7.0	7.0	8/20/2020	---	---	---	---	---	---	---	---	---	---	---	0.0050	0.0048	< 0.002	---	---	< 0.002	< 0.004	0.0065	< 0.002	0.0037	0.0062	---	0.020
	Farallon	UST01-S-7.0	7.0	8/20/2020	---	---	---	---	---	---	---	---	---	---	---	0.0056	0.0048	< 0.002	---	---	< 0.002	< 0.004	0.0063	< 0.002	0.0034	0.0068	---	0.0201
	Farallon	UST01-W-7.0	7.0	8/20/2020	---	---	---	---	---	---	---	---	---	---	---	0.0045	0.0046	< 0.002	---	---	< 0.002	< 0.004	0.0071	< 0.002	0.0038	0.0057	---	0.020
UST02	Farallon	UST02-B-7.0	7.0	8/20/2020	---	---	---	---	---	---	---	---	---	---	---	0.0044	0.0049	< 0.002	---	---	< 0.002	< 0.004	0.0068	< 0.002	0.0024	0.0055	---	0.0185
Soil Remediation Level[7]					**1,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.19**	**NA**	**NA**

Table 4
Interim Action Soil Analytical Results for PAHs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2] Non-Carcinogenic PAHs											Analytical Results (milligrams per kilogram)[2] Carcinogenic PAHs												
					Naphthalene[3]	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(j,k)Fluoranthene	Benzo(j)Fluoranthene	Benzo(k)Fluoranthene	Total Benzofluoranthenes	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[5,6]	Total LPAHs	Total HPAHs
UST03	Farallon	UST03-02-5.0	5.0	10/2/2020	64	230	360	41	< 1	49	< 1	6.7	51	180	31	2.4	5.1	1.3	---	---	< 1	1.3	11	< 1	< 1	**3.3**	385	57.5
	Farallon	UST03-B-01-8.0	8.0	10/8/2020	0.0057	0.0047	0.0055	0.0035	< 0.002	0.0038	0.0058	0.031	0.0055	0.018	0.028	0.011	0.0095	0.017	---	---	0.0060	0.023	0.013	< 0.002	0.0062	0.0151	0.0	0.1275
	Farallon	UST03-B-02-9.0	9.0	10/8/2020	< 0.002	< 0.002	< 0.002	0.014	< 0.002	< 0.002	< 0.002	< 0.002	0.064	0.0050	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0.1	0
	Farallon	UST03-B-03-10.0	10.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0.0	0
	Farallon	UST03-SW-01-7.0	7.0	10/8/2020	0.0068	0.0041	0.0049	0.0028	< 0.002	0.0035	0.0078	0.024	0.0046	0.017	0.025	0.010	0.0084	0.011	---	---	0.0042	0.0152	0.010	< 0.002	0.0076	0.0133	0.0	0.108
	Farallon	UST03-SW-02-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.0020	< 0.0015	0.0	0
	Farallon	UST03-SW-03-7.0	7.0	10/8/2020	0.0047	0.0043	0.0045	0.0023	< 0.002	0.0028	0.0050	0.022	0.0042	0.016	0.020	0.0075	0.0068	0.012	---	---	0.0035	0.0155	0.0096	< 0.002	0.0051	0.0104	0.0	0.092
	Farallon	UST03-SW-04-7.0	7.0	10/8/2020	0.16	0.13	0.18	0.015	< 0.002	0.0053	0.0051	0.028	0.063	0.030	0.028	0.012	0.0096	0.019	---	---	0.0060	0.025	0.012	< 0.002	0.0055	0.0162	0.3	0.1252
	Farallon	UST03-SW-05-7.0	7.0	10/8/2020	0.012	0.0041	0.0045	0.0024	< 0.002	0.0030	0.0033	0.020	0.0042	0.016	0.019	0.0088	0.0069	0.012	---	---	0.0043	0.0163	0.0087	< 0.002	0.0039	0.0117	0.0	0.087
	Farallon	UST03-SW-06-7.0	7.0	10/8/2020	0.0055	0.0049	0.0057	0.0028	< 0.002	0.0038	0.0040	0.024	0.0049	0.017	0.023	0.0096	0.0079	0.016	---	---	0.0060	0.022	0.011	< 0.002	0.0043	0.0132	0.0	0.1058
	Farallon	UST03-SW-07-7.0	7.0	10/8/2020	0.0052	0.0049	0.0055	0.0027	< 0.002	0.0033	0.0041	0.020	0.0050	0.018	0.022	0.0089	0.0078	0.013	---	---	0.0042	0.0172	0.010	< 0.002	0.0045	0.0121	0.0	0.095
Area 7: Former Automobile Service Stations																												
2020 Interim Action Excavation																												
B-01	Farallon	B-01-16.0	16.0	6/11/2020	0.0421	0.0164	0.0246	0.011	0.00137 J	0.0252	0.0381	0.0805	0.0131	0.115	0.134	0.0512	0.0538	0.0283	---	0.0205	0.0171	0.0653	0.0566	0.00793	0.0239	0.0669	0.345	0.402
B-03	Farallon	B-03-18.0	18.0	6/18/2020	0.00136 J	0.00132 J	0.00177 J	0.00133 J	< 0.005	< 0.005	< 0.005	0.00064 J	< 0.005	0.0019 J	0.00088 J	< 0.005	< 0.005	< 0.005	---	< 0.005	< 0.005	< 0.01	< 0.005	< 0.005	< 0.005	< 0.00403	0.00284	0.00190
FTP-01	Farallon	FTP-01-10.0	10.0	6/5/2020	< 0.00489	0.000400 J	< 0.00489	< 0.00489	< 0.00489	< 0.00489	< 0.00489	< 0.00489	< 0.00489	0.00103 J	< 0.00489	< 0.00489	< 0.00489	< 0.00489	---	< 0.00489	< 0.00489	< 0.00978	< 0.00489	< 0.00489	< 0.00489	< 0.00394	0.00040	0.00103
	Farallon	FTP-01-15.0	15.0	6/5/2020	< 0.00443	0.00054 J	< 0.00443	< 0.00443	< 0.00443	< 0.00443	< 0.00443	< 0.00443	< 0.00443	0.00103 J	0.00059 J	< 0.00443	< 0.00443	< 0.00443	---	< 0.00443	< 0.00443	< 0.00886	< 0.00443	< 0.00443	< 0.00443	< 0.00357	0.00113	0.00103
FTP-03	Farallon	FTP-03-10.0	10.0	6/5/2020	< 0.00469	0.00092 J	0.00179 J	< 0.00469	< 0.00469	< 0.00469	< 0.00469	< 0.00469	< 0.00469	0.00183 J	0.0006 J	< 0.00469	< 0.00469	< 0.00469	---	< 0.00469	< 0.00469	< 0.00938	< 0.00469	< 0.00469	< 0.00469	< 0.00378	0.00152	0.00183
	Farallon	FTP-03-15.0	15.0	6/5/2020	< 0.00433	< 0.00433	0.00097 J	< 0.00433	< 0.00433	< 0.00433	< 0.00433	< 0.00433	< 0.00433	< 0.00433	< 0.00433	< 0.00433	< 0.00433	< 0.00433	---	< 0.00433	< 0.00433	< 0.00866	< 0.00433	< 0.00433	< 0.00433	< 0.00349	0	0
FTP-05	Farallon	FTP-05-15.0	15.0	6/5/2020	0.00343 J	0.00117 J	0.00214 J	0.00126 J	< 0.00416	0.00111 J	0.0118	0.00822	< 0.00416	0.00505	0.0112	0.00672	0.00645	0.00595	---	0.00317 J	0.00374 J	0.0131	0.00877	0.00213 J	0.00655	0.00961	0.00228	0.0141
FTP-06	Farallon	FTP-06-15.0	15.0	6/5/2020	0.0203	0.00602	0.0134	< 0.00426	0.00098 J	0.00096 J	< 0.00426	0.00051 J	< 0.00426	< 0.00426	0.00129 J	< 0.00426	< 0.00426	< 0.00426	---	< 0.00426	< 0.00426	< 0.00851	0.00105 J	< 0.00426	< 0.00426	0.00342	0.00878	0.00105
Soil Remediation Level[7]					**1,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.19**	**NA**	**NA**

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Interim Action Soil Analytical Results for PAHs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]											Analytical Results (milligrams per kilogram)[2]												
					Non-Carcinogenic PAHs											Carcinogenic PAHs											Total LPAHs	Total HPAHs
					Naphthalene[3]	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(j,k)Fluoranthene	Benzo(j)Fluoranthene	Benzo(k)Fluoranthene	Total Benzofluoranthenes	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[5,6]		
FTP-07	Farallon	FTP-07-5.0	5.0	6/5/2020	0.073	0.0313	0.0442	< 0.0051	0.00186 J	0.00165 J	0.0106	0.00375 J	0.00113 J	0.0089	0.00531	0.00342 J	0.00327 J	0.00412 J	---	0.00282 J	0.00185 J	0.00914 J	0.0133	0.00238 J	0.00671	0.0179	0.0401	0.0336
	Farallon	FTP-07-10.0	10.0	6/5/2020	6.58 D	6.59 D	11 D	0.429	0.14	0.152	0.00934	0.0643	1.15 D	1.4 D	0.121	0.0124	0.0245	0.0121	---	0.0034 J	0.0025 J	0.0215	0.0634	0.00215 J	0.00361 J	0.00469	6.59	2.56
	Farallon	FTP-07-15.0	15.0	6/5/2020	1.03 D	0.858 D	1.06 D	0.0408	0.0102	0.0356	0.00182 J	0.0143	0.156	0.243	0.0286	0.00297 J	0.00652	0.00328 J	---	0.00161 J	0.00074 J	0.00572 J	0.016	< 0.00463	0.00112 J	0.00353	0.863	0.411
	Farallon	FTP-07-16.0	16.0	6/5/2020	0.00126 J	0.00082 J	0.00172 J	0.00074 J	< 0.00438	< 0.00438	< 0.00438	< 0.00438	< 0.00438	0.00074 J	0.00062 J	< 0.00438	< 0.00438	< 0.00438	---	< 0.00438	< 0.00438	< 0.00875	< 0.00438	< 0.00438	< 0.00438	< 0.00567	0.00144	0.000740
NSW-01	Farallon	NSW-01-7.0	7.0	6/11/2020	0.00281 J	0.00091 J	0.0018 J	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00207 J	0.00063 J	< 0.005	< 0.005	< 0.005	---	< 0.005	< 0.005	< 0.01	< 0.005	< 0.005	< 0.005	< 0.00403	0.00154	0.00207
	Farallon	NSW-01-15.0	15.0	6/11/2020	0.00523	0.00361 J	0.00392 J	0.00346 J	< 0.00494	< 0.00494	< 0.00494	0.00048 J	0.00515	0.00215 J	0.00103 J	< 0.00494	< 0.00494	< 0.00494	---	< 0.00494	< 0.00494	< 0.00988	< 0.00494	< 0.00494	< 0.00494	< 0.00398	0.00512	0.00730
SSW-01	Farallon	SSW-01-7.0	7.0	6/18/2020	0.00145 J	0.0012 J	0.0015 J	< 0.00499	< 0.00499	< 0.00499	< 0.00499	0.00136 J	< 0.00499	0.00548	0.00224 J	< 0.00499	< 0.00499	< 0.00499	---	< 0.00499	< 0.00499	< 0.00998	0.0024 J	< 0.00499	< 0.00499	0.00402	0.0048	0.0079
	Farallon	SSW-01-15.0	15.0	6/18/2020	< 0.00499	< 0.00499	< 0.00499	< 0.00499	< 0.00499	< 0.00499	< 0.00499	0.00089 J	< 0.00499	0.00178 J	0.00144 J	< 0.00499	< 0.00499	< 0.00499	---	< 0.00499	< 0.00499	< 0.00999	< 0.00499	< 0.00499	< 0.00499	< 0.00402	0.0023	0.0018
WSW-01	Farallon	WSW-01-7.0	7.0	6/11/2020	5.43 D	1.15 D	2.56 D	0.00468 J	< 0.005	0.00164 J	0.00305 J	0.00311 J	0.00584	0.00969	0.00502	0.00138 J	0.00176 J	0.00186 J	---	0.00109 J	0.0009 J	0.0039 J	0.00344 J	0.00122 J	0.00189 J	0.00229	1.16	0.032
	Farallon	WSW-01-15.0	15.0	6/11/2020	3.75 D	0.871 D	2.25 D	0.00439 J	0.00304 J	0.00321 J	0.00181 J	0.00391 J	0.0113	0.0161	0.00871	< 0.00497	0.0016 J	0.00144 J	---	0.00068 J	< 0.00497	< 0.00993	0.0036 J	< 0.00497	< 0.00497	0.00364	0.889	0.0347
2021 Right-of-Way Investigation																												
F-34	Farallon	F-34-8	8.0	4/28/2021	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
F-35	Farallon	F-35-9	9.0	4/28/2021	< 0.002	0.0022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
F-36	Farallon	F-36-8	8.0	4/28/2021	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
F-37	Farallon	F-37-8	8.0	4/28/2021	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
F-38	Farallon	F-38-8.5	8.5	4/28/2021	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
2022 Utility Infrastructure Trenching																												
SST01-NSW01-2.5	Farallon	SST01-NSW01-2.5	2.5	12/7/2022	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	---	---	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.0076	0	0
SST01-ESW02-2.5	Farallon	SST01-ESW02-2.5	2.5	12/7/2022	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	---	---	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.0076	0	0
SST01-SSW01-2.5	Farallon	SST01-SSW01-2.5	2.5	12/7/2022	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	---	---	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.0076	0	0
SST01-WSW-3.0	Farallon	SST01-WSW-3.0	3.0	11/16/2022	---	---	---	---	---	---	---	---	---	---	---	0.083	< 0.05	0.12	---	---	< 0.05	0.12	0.099	< 0.05	< 0.05	0.11	0	0.302
SST01-B2-4.5	Farallon	SST01-B2-4.5	4.5	12/7/2022	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	---	---	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.0076	0	0
Soil Remediation Level[7]					**1,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.19**	**NA**	**NA**

Table 4
Interim Action Soil Analytical Results for PAHs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2] Non-Carcinogenic PAHs: Naphthalene[3]	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Carcinogenic PAHs: Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(j,k)Fluoranthene	Benzo(j)Fluoranthene	Benzo(k)Fluoranthene	Total Benzofluoranthenes	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[5,6]	Total LPAHs	Total HPAHs
Area 11: Former South Maintenance Shop																												
2020 Utility Infrastructure Trenching																												
SWT-B-01	Farallon	SWT-B-01-2.0	2.0	8/27/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
SWT-B-02	Farallon	SWT-B-02-8.0	8.0	8/27/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
SST-ESW-02	Farallon	SST-ESW-02-4.0	4.0	9/16/2020	---	---	---	---	---	---	---	---	---	---	---	< 0.002	< 0.002	0.0021	---	---	< 0.002	0.0021	< 0.002	< 0.002	< 0.002	0.0016	---	0.0021
Area 12: Former Old Humble Oil Service Station																												
2023 Utility Infrastructure Trenching																												
SST02-SSW01-10.0	Farallon	SST02-SSW01-10.0	10.0	1/30/2023	---	---	---	---	---	---	---	---	---	---	---	< 0.01	< 0.01	< 0.01	---	---	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.0076	0	0
Stockpile Samples																												
Stockpile 01	Farallon	STP-01-013023	NA	1/30/2023	---	---	---	---	---	---	---	---	---	---	---	< 0.05	< 0.05	< 0.05	---	---	< 0.05	< 0.10	< 0.05	< 0.05	< 0.05	< 0.038	0	0
Area 13: Former Northwest Auto Wrecking Property																												
2022 UST Excavation																												
TRENCH-01	Farallon	TRENCH-01-7.0	7.0	6/13/2022	---	---	---	---	---	---	---	---	---	---	---	0.086 J	0.16	0.11 J	---	---	< 0.05 J	0.11 J	0.24	< 0.05 J	< 0.05 J	0.12 J	0	0.596 J
FTP-18	Farallon	FTP-18-12.0	12.0	6/15/2022	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 J	0.21	0.13	< 0.1	0.54	< 0.1 J	< 0.1	< 0.1 J	---	---	< 0.1 J	< 0.2	0.26	< 0.1 J	< 0.1 J	0.0780	1.01	0.13
	Farallon	FTP-18-17.0	17.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
FTP-19	Farallon	FTP-19-11.0	11.0	6/15/2022	< 0.002	0.045	0.022	0.031	< 0.002	0.027	0.028 J	0.059	0.073	0.012	0.57 J	0.040 J	0.036 J	< 0.002 J	---	---	< 0.002 J	< 0.004	0.078 J	< 0.002 J	0.013 J	0.0460	0.824	0.143
	Farallon	FTP-19-16.0	16.0	6/15/2022	< 0.002	0.37	0.020	0.070	< 0.002	0.018	0.012 J	0.040	0.12	0.070	0.22 J	0.024 J	0.016 J	< 0.002 J	---	---	< 0.002 J	< 0.004	0.027 J	< 0.002 J	0.0057 J	0.0270	0.3447	0.278
FTP-21	Farallon	FTP-21-7.0	7.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0025	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0.0025
	Farallon	FTP-21-12.0	12.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
FTP-22	Farallon	FTP-22-12.0	12.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
FTP-23	Farallon	FTP-23-12.0	12.0	6/16/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
FTP-24	Farallon	FTP-24-12.0	12.0	6/16/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
FTP-25	Farallon	FTP-25-12.0	12.0	6/16/2022	0.0032	0.0021	0.0027	< 0.002	< 0.002	< 0.002	0.0059	0.013	< 0.002	0.0047	0.016	0.0085	0.0060	0.014	---	---	0.0039	0.0179	0.0097	< 0.002	0.0066	0.0120	0.0836	0.0079
Soil Remediation Level[7]					**1,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.19**	**NA**	**NA**
UST-05-WSW01-5.5	Farallon	UST-05-WSW01-5.5	5.5	8/26/2022	21	7.7	15	0.14	0.056	0.34	0.17	0.88	0.75	2.4	1.7	0.44	0.59	0.35	---	---	0.11	0.46	0.73	0.057	0.15	**0.57**	24.686	5.177
UST-05-BOT01-7.0	Farallon	UST-05-BOT01-7.0	7.0	8/26/2022	67	24	43	2.1	0.46	3.7	1.9	10	4.0	21	18	5.6	7.0	4.3	---	---	1.5	5.8	8.8	0.69	2.1	**7.2**	98.26	59.89
EX05-NSW-12.0	Farallon	EX05-NSW-12.0	12.0	8/29/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0037 J	0.011	< 0.002	0.0076	0.016	0.0083 J	0.0069	0.010 J	---	---	0.0037 J	0.0137	0.0082	< 0.002 J	0.0034 J	0.011 J	0.0076	0.0712
EX05-NSW-02-7.0	Farallon	EX05-NSW-02-7.0	7.0	8/30/2022	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.012	< 0.01	< 0.01	0.015	0.010	< 0.01	0.014	---	---	< 0.01	0.014	< 0.01	< 0.01	< 0.01	0.013	0	0.051
EX05-ESW-01-12.0	Farallon	EX05-ESW-01-12.0	12.0	8/30/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-ESW-02-7.0	Farallon	EX05-ESW-02-7.0	7.0	8/30/2022	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.012 J	0.034	< 0.01	0.015	0.047	0.021 J	0.019	0.029 J	---	---	< 0.01 J	0.029	0.028	< 0.01 J	< 0.01 J	0.028 J	0.015	0.19
EX05-ESW-03-7.0	Farallon	EX05-ESW-03-7.0	7.0	8/31/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0022	< 0.002	< 0.002	0.0028	< 0.002	< 0.002	0.0025	---	---	< 0.002	0.0025	< 0.002	< 0.002	< 0.002	0.0017	0	0.0075
EX05-ESW-04-12.0	Farallon	EX05-ESW-04-12.0	12.0	8/31/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-SSW-01-12.0	Farallon	EX05-SSW-01-12.0	12.0	8/30/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-SSW-02-7.0	Farallon	EX05-SSW-02-7.0	7.0	8/31/2022	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.029	< 0.02	< 0.02	0.044	0.022	< 0.02	0.025	---	---	< 0.02	0.025	0.023	< 0.02	< 0.02	0.029	0	0.143
EX05-SSW-03-12.0	Farallon	EX05-SSW-03-12.0	12.0	8/31/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-WSW-01-8.0	Farallon	EX05-WSW-01-8.0	8.0	8/29/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-WSW-03-12.0	Farallon	EX05-WSW-03-12.0	12.0	8/30/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-B-01-16	Farallon	EX05-B-01-16	16.0	8/29/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-B-02-18.0	Farallon	EX05-B-02-18.0	18.0	8/29/2022	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.059	0.17	< 0.05	0.084	0.21	0.11	0.083	0.12	---	---	< 0.05	0.12	0.11	< 0.05	0.058	0.14	0.084	0.92
EX05-B-03-18.0	Farallon	EX05-B-03-18.0	18.0	8/30/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
EX05-B-04-18.0	Farallon	EX05-B-04-18.0	18.0	8/30/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
Soil Stockpile																												
SP-01-082922	Farallon	SP-01-082922	NA	8/29/2022	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.12	< 0.05	0.086	0.17	0.081	0.067	0.093	---	---	< 0.05	0.093	0.11	< 0.05	< 0.05	0.11	0.086	0.641
Soil Remediation Level[7]					**1,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.19**	**NA**	**NA**

Table 4
Interim Action Soil Analytical Results for PAHs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

					Analytical Results (milligrams per kilogram)[2]											Analytical Results (milligrams per kilogram)[2]												
					Non-Carcinogenic PAHs											Carcinogenic PAHs												
Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Naphthalene[3]	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(g,h,i)Perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo(a)Pyrene	Benzo(a)Anthracene	Benzo(b)Fluoranthene	Benzo(j,k)Fluoranthene	Benzo(j)Fluoranthene	Benzo(k)Fluoranthene	Total Benzofluoranthenes	Chrysene	Dibenzo(a,h)Anthracene	Indeno(1,2,3-cd)Pyrene	Total cPAHs TEC[5,6]	Total LPAHs	Total HPAHs
2022 - 2024 Stormwater Pond Investigation and Excavation																												
Pond-01-SED01	Farallon	POND-01-SED01-0.5	0.5	4/27/2022	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---	---	0.017	0.013	0.020	---	---	0.0066	0.0266	0.017	< 0.002	0.0082	0.021	0	0.0818
Pond-01-SED02	Farallon	POND-01-SED02-0.5	0.5	4/27/2022	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	0.54	0.46	0.51	---	---	0.15	0.66	0.47	0.052	0.25	**0.64**	0	2.432
Pond-01-01	Farallon	POND-01-01-0.5	8.5	5/10/2022	---	---	---	---	---	---	---	---	---	---	---	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
Pond-01-02	Farallon	POND-01-02-0.5	8.5	5/10/2022	---	---	---	---	---	---	---	---	---	---	---	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
Pond-01-03	Farallon	POND-01-03-0.5	8.5	5/10/2022	---	---	---	---	---	---	---	---	---	---	---	< 0.002	< 0.002	< 0.002	---	---	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.0015	0	0
Pond-03-04	Farallon	POND-03-04-0.5	0.5	9/6/2023	13	---	---	---	---	---	---	---	---	---	---	< 0.05	< 0.05	< 0.05	---	---	< 0.05	< 0.10	< 0.05	< 0.05	< 0.05	< 0.038	0	0
Soil Remediation Level[7]					**1,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.19**	**NA**	**NA**

NOTES:
Results in **bold** denote concentrations exceeding applicable remediation level.
Results in **bold** and highlighted yellow denote concentrations exceeding applicable remediation level left in place following the interim action.
Gray highlight indicates sample was overexcavated during the interim action.
< denotes analyte not detected at or exceeding the reporting limit listed.
--- denotes sample not analyzed.
[1]Depth in feet below ground surface.
[2]Analyzed by U.S. Environmental Protection Agency Method 8270, 8270D/SIM, or 8270E, unless otherwise noted.
[3]Analyzed by U.S. Environmental Protection Agency Method 8270, 8270D/SIM, or 8260C.
[4]Sum of naphthalenes, 1-methylnaphthalene, and 2-methylnaphthalene.
[5]Total cPAHs derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.
[6]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEC.
[7]Soil remediation level from Table 2.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons
Farallon = Farallon Consulting, L.L.C.
HPAH = high molecular weight polycyclic aromatic hydrocarbons
J = result is an estimate
LDW = Lower Duwamish Waterway
LPAH = low molecular weight polycyclic aromatic hydrocarbons
NA = not applicable
PAHs = polycyclic aromatic hydrocarbons
TEC = toxic equivalent concentration
UST = Underground Storage Tank

Table 5
Interim Action Soil Analytical Results for PCBs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Dry Grocery Warehouse (East of Area 6)														
2020 Underground Storage Tank Decommissioning														
UST01	Farallon	UST01-B-10.0	10.0	8/20/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0041	< 0.002	< 0.002	0.0041
	Farallon	UST01-E-7.0	7.0	8/20/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.022	< 0.002	< 0.002	0.022
	Farallon	UST01-N-7.0	7.0	8/20/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.036	< 0.002	< 0.002	0.036
	Farallon	UST01-S-7.0	7.0	8/20/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.034	< 0.002	< 0.002	0.034
	Farallon	UST01-W-7.0	7.0	8/20/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.028	< 0.002	< 0.002	0.028
UST02	Farallon	UST02-B-7.0	7.0	8/20/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0038	< 0.002	< 0.002	0.0038
UST03	Farallon	UST03-02-5.0	5.0	10/2/2020	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.9
	Farallon	UST03-B-01-8.0	8.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.028	< 0.002	0.028
	Farallon	UST03-B-02-9.0	9.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.0180
	Farallon	UST03-B-03-10.0	10.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.0180
	Farallon	UST03-SW-01-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.022	< 0.002	0.022
	Farallon	UST03-SW-02-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.0180
	Farallon	UST03-SW-03-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.012	< 0.002	0.012
	Farallon	UST03-SW-04-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0080	< 0.002	0.0080
	Farallon	UST03-SW-05-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0075	< 0.002	0.0075
	Farallon	UST03-SW-06-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.022	< 0.002	0.022
	Farallon	UST03-SW-07-7.0	7.0	10/8/2020	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.017	< 0.002	0.017
Area 7: Former Automobile Service Stations														
2020 Interim Action Excavation														
B-01	Farallon	B-01-16.0	16.0	6/11/2020	< 0.0198	< 0.0198	< 0.0198	< 0.0198	< 0.0198	0.0106 J	< 0.0198	< 0.0198	< 0.0198	0.0106 J
FTP-01	Farallon	FTP-01-10.0	10.0	6/5/2020	< 0.0196	< 0.0196	< 0.0196	< 0.0196	< 0.0196	< 0.0196	< 0.0196	< 0.0196	< 0.0196	< 0.176
NSW-01	Farallon	NSW-01-15.0	15.0	6/11/2020	< 0.0199	< 0.0199	< 0.0199	< 0.0199	< 0.0199	< 0.0199	< 0.0199	< 0.0199	< 0.0199	< 0.179
Stockpile Samples														
SP-01-041724	Farallon	SP-01-041724	NA	4/17/2024	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.11	0.046	< 0.02	< 0.02	0.156

Table 5
Interim Action Soil Analytical Results for PCBs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Area 13: Former Northwest Auto Wrecking Property														
2007 - 2008 Site-Wide Surface Soil Excavation														
PR-PV6	DOF	PR-PV6	0 - 0.5	2/11/2008	< 0.03	< 0.03	< 0.03	< 0.03	0.038	0.037	< 0.03	---	---	0.075
Scrape-N2	DOF	Scrape-N2	0 - 0.5	2/18/2008	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	---	---	< 0.231
2020 Construction Stormwater Pond Excavation														
EX02-B-01	Farallon	EX02-B-01-2.0	2.0	6/18/2020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.18
EX02-B-02	Farallon	EX02-B-02-2.0	2.0	6/18/2020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.18
2022 UST Excavation														
TRENCH-01	Farallon	TRENCH-01-7.0	7.0	6/13/2022	< 0.002	< 0.002	< 0.002	< 0.002	0.31	< 0.002	< 0.05	< 0.002	< 0.002	0.31
FTP-18	Farallon	FTP-18-12.0	12.0	6/15/2022	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.049	0.059	< 0.02	< 0.02	0.108
	Farallon	FTP-18-17.0	17.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-19	Farallon	FTP-19-11.0	11.0	6/15/2022	< 0.002	< 0.002	< 0.002	0.027	< 0.002	< 0.002	0.016	< 0.002	< 0.002	0.043
	Farallon	FTP-19-16.0	16.0	6/15/2022	< 0.002	< 0.002	< 0.002	0.012	< 0.002	< 0.002	0.0066	< 0.002	< 0.002	0.0186
FTP-21	Farallon	FTP-21-7.0	7.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0066	0.0038	< 0.002	< 0.002	0.0104
	Farallon	FTP-21-12.0	12.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-22	Farallon	FTP-22-12.0	12.0	6/15/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-23	Farallon	FTP-23-12.0	12.0	6/16/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-24	Farallon	FTP-24-12.0	12.0	6/16/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-25	Farallon	FTP-25-12.0	12.0	6/16/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.0027	< 0.002	< 0.0187
UST-05-WSW01-5.5	Farallon	UST-05-WSW01-5.5	5.5	8/26/2022	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.18
UST-05-BOT01-7.0	Farallon	UST-05-BOT01-7.0	7.0	8/26/2022	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.18
2022 - 2024 Stormwater Pond Investigation and Excavation														
Pond-01-SED01	Farallon	POND-01-SED01-0.5	0.5	4/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0070	0.0052	< 0.002	< 0.002	0.0122
Pond-01-SED02	Farallon	POND-01-SED02-0.5	0.5	4/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.036	0.028	< 0.002	< 0.002	0.064
FTP-26	Farallon	FTP-26-10.0	10.0	7/7/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-27	Farallon	FTP-27-8.0	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-28	Farallon	FTP-28-8.0	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	0.032	< 0.002	0.0055	< 0.002	< 0.002	< 0.002	0.038
FTP-29	Farallon	FTP-29-2.5	2.5	7/7/2022	< 0.002	< 0.002	< 0.002	0.064	< 0.002	0.11	< 0.002	< 0.002	< 0.002	0.17
	Farallon	FTP-29-2.5-SIEVE	2.5	7/7/2022	< 0.002	< 0.002	< 0.002	0.014	< 0.002	0.025	< 0.002	< 0.002	< 0.002	0.039
	Farallon	FTP-29-8.0	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	0.069	< 0.002	0.17	< 0.002	< 0.002	< 0.002	0.24
	Farallon	FTP-29-8.0-SIEVE	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	0.0093	< 0.002	0.017	< 0.002	< 0.002	< 0.002	0.026
FTP-30	Farallon	FTP-30-8.0	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	0.069	< 0.002	0.10	< 0.002	< 0.002	< 0.002	0.17
	Farallon	FTP-30-8.0-SIEVE	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	0.010	< 0.002	0.018	< 0.002	< 0.002	< 0.002	0.028
FTP-31	Farallon	FTP-31-8.0	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018
FTP-32	Farallon	FTP-32-8.0	8.0	7/7/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018

Table 5
Interim Action Soil Analytical Results for PCBs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Pond-01-04	Farallon	POND-01-04-0.0	8.0	5/10/2022	< 0.004	< 0.004	< 0.004	0.20	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.20
	Farallon	POND-01-04-0.0-SIEVE	8.0	5/10/2022	< 0.002	< 0.002	< 0.002	2.1	< 0.002	< 0.002	< 0.01	< 0.002	< 0.002	2.1
Pond-02-Deb	Farallon	POND-02-DEB	2.0	5/9/2022	< 0.002	< 0.002	< 0.002	0.040	< 0.002	0.078	< 0.002	< 0.002	< 0.002	0.118
	Farallon	POND-02-DEB-SIEVE	2.0	5/9/2022	< 0.002	< 0.002	< 0.002	0.029	< 0.002	0.042	0.018	< 0.002	< 0.002	0.089
Pond-03-01	Farallon	POND-03-01-2.0	2.0	5/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.053	0.043	< 0.002	< 0.002	0.096
	Farallon	POND-03-01-2.0-SIEVE	2.0	5/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.061	0.038	< 0.002	< 0.002	0.099
Pond-03-02	Farallon	POND-03-02-3.5	3.5	5/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.090	0.058	< 0.002	< 0.002	0.148
	Farallon	POND-03-02-3.5-SIEVE	3.5	5/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.11	0.051	< 0.002	< 0.002	0.161
Pond-03-03	Farallon	POND-03-03-2.5	2.5	5/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.067	0.056	< 0.002	< 0.002	0.123
	Farallon	POND-03-03-2.5-SIEVE	2.5	5/27/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.085	0.041	< 0.002	< 0.002	0.126
Pond-03-04	Farallon	POND-03-04-0.5	0.5	9/6/2023	< 0.02	< 0.02	< 0.02	< 0.05	< 0.05	< 0.05	< 0.02	< 0.02	< 0.02	< 0.27
FTP-46	Farallon	FTP-46-8.0	8.0	1/10/2024	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02	< 0.19
FTP-48	Farallon	FTP-48-8.0	8.0	1/10/2024	< 0.02	< 0.02	< 0.02	< 0.02	0.17	< 0.08	0.036	< 0.02	< 0.02	0.206
FTP-50	Farallon	FTP-50-8.0	8.0	1/16/2024	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.025	< 0.02	< 0.02	< 0.02	< 0.185

NOTES:

Gray highlight indicates sample was overexcavated during the interim action.

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082/8082A.

DOF = Dalton, Olmsted & Fuglevand, Inc.

Farallon = Farallon Consulting, L.L.C.

LDW = Lower Duwamish Waterway

PCB = polychlorinated biphenyl

UST = Underground Storage Tank

Table 6
Interim Action Soil Analytical Results for Metals
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]											
					Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Zinc
Dry Grocery Warehouse (East of Area 6)																
2020 UST Decommissioning																
UST01	Farallon	UST01-B-10.0	10.0	8/20/2020	3.85	28.2	< 1	9.01	13.2	5.9	---	< 1	---	< 1	< 1	---
	Farallon	UST01-E-7.0	7.0	8/20/2020	15.2	76.7	2.58	24.2	40.9	21.8	---	< 1	---	< 1	< 1	---
	Farallon	UST01-N-7.0	7.0	8/20/2020	15.7	83.8	2.42	23.8	41.9	21.4	---	< 0.4	---	0.594	0.403	---
	Farallon	UST01-S-7.0	7.0	8/20/2020	13.7	73.5	2.18	20.9	33.9	16.6	---	< 0.4	---	< 0.4	< 0.4	---
	Farallon	UST01-W-7.0	7.0	8/20/2020	10.7	60.9	4.07	19.8	34.3	19.1	---	< 1	---	< 1	< 1	---
UST02	Farallon	UST02-B-7.0	7.0	8/20/2020	7.15	49.9	< 1	11.4	18.8	8.01	---	< 1	---	< 1	< 1	---
Area 7: Former Automobile Service Stations																
Stockpile Samples																
SP-01-041724	Farallon	SP-01-041724	NA	4/17/2024	7.2	94	< 1	15	28	67	---	< 1 J	13	< 1	< 1	95
Area 12: Former Old Humble Oil Service Station																
2023 Excavation																
Stockpile 01	Farallon	STP-01-013023	NA	1/30/2023	---	---	---	---	---	10.3	---	---	---	---	---	---
Area 13: Former Northwest Auto Wrecking Property																
2007 - 2008 Site-Wide Surface Soil Excavation																
PR-PV5	DOF	PR-PV5	0 - 0.5	2/11/2008	8	---	0.3	16.9	55.9	59	---	---	---	---	---	89
PR-PV6	DOF	PR-PV6	0 - 0.5	2/11/2008	8	---	0.3	17.4	37.2	30	---	---	---	---	---	64
PR-DP1	DOF	PR-DP1	0 - 0.5	7/25/2007	8	---	0.5	29.6	30	91	---	---	---	---	---	109
PR-DP-2	DOF	PR-DP-2	0 - 0.5	7/25/2007	< 7	---	0.4	---	---	83	---	---	---	---	---	---
PR-DP3	DOF	PR-DP3	0 - 0.5	7/25/2007	7	---	0.6	---	---	162	---	---	---	---	---	---
PR-DP4	DOF	PR-DP4	0 - 0.5	7/25/2007	6	---	0.5	---	---	144	---	---	---	---	---	---
Scrape-N1	DOF	Scrape-N1	0 - 0.5	2/18/2008	7	---	< 0.2	---	---	18	---	---	---	---	---	---
Scrape-N2	DOF	Scrape-N2	0 - 0.5	2/18/2008	7	---	0.3	---	---	51	---	---	---	---	---	---
Scrape-N3	DOF	Scrape-N3	0 - 0.5	2/18/2008	7	---	0.3	---	---	21	---	---	---	---	---	---
Scrape-N4	DOF	Scrape-N4	0 - 0.5	2/20/2008	8	---	0.5	---	---	78	---	---	---	---	---	---
Scrape-N5	DOF	Scrape-N5	0 - 0.5	2/20/2008	< 6	---	0.3	---	---	24	---	---	---	---	---	---
2020 Construction Stormwater Pond Excavation																
EX02-B-01	Farallon	EX02-B-01-2.0	2.0	6/18/2020	7.46	---	---	---	26.1	---	---	---	---	---	---	---
EX02-B-02	Farallon	EX02-B-02-2.0	2.0	6/18/2020	7.90	---	---	---	18.7	---	---	---	---	---	---	---

Table 6
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Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]											
					Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Zinc
2022 UST Excavation																
TRENCH-01	Farallon	TRENCH-01-7.0	7.0	6/13/2022	---	---	---	---	---	127	---	---	---	---	---	---
FTP-18	Farallon	FTP-18-12.0	12.0	6/15/2022	---	---	---	---	---	51.4	---	---	---	---	---	---
	Farallon	FTP-18-17.0	17.0	6/15/2022	---	---	---	---	---	1.68	---	---	---	---	---	---
FTP-19	Farallon	FTP-19-11.0	11.0	6/15/2022	---	---	---	---	---	9.64	---	---	---	---	---	---
	Farallon	FTP-19-16.0	16.0	6/15/2022	---	---	---	---	---	2.67	---	---	---	---	---	---
FTP-21	Farallon	FTP-21-7.0	7.0	6/15/2022	---	---	---	---	---	2.41	---	---	---	---	---	---
	Farallon	FTP-21-12.0	12.0	6/15/2022	---	---	---	---	---	2.56	---	---	---	---	---	---
FTP-22	Farallon	FTP-22-12.0	12.0	6/15/2022	---	---	---	---	---	6.03	---	---	---	---	---	---
FTP-23	Farallon	FTP-23-12.0	12.0	6/16/2022	---	---	---	---	---	3.20	---	---	---	---	---	---
FTP-24	Farallon	FTP-24-12.0	12.0	6/16/2022	---	---	---	---	---	5.49	---	---	---	---	---	---
FTP-25	Farallon	FTP-25-12.0	12.0	6/16/2022	---	---	---	---	---	8.10	---	---	---	---	---	---
UST-05-WSW01-5.5	Farallon	UST-05-WSW01-5.5	5.5	8/26/2022	3.08	---	---	---	19.0	26.7	---	---	---	---	---	---
UST-05-BOT01-7.0	Farallon	UST-05-BOT01-7.0	7.0	8/26/2022	3.04	---	---	---	25.7	43.0	---	---	---	---	---	---
2022 - 2024 Stormwater Pond Investigation and Excavation																
Pond-01-SED01	Farallon	POND-01-SED01-0.5	0.5	4/27/2022	14.2	94.6	< 1	14.7	---	41.9	---	< 1	---	< 1	< 1	---
Pond-01-SED02	Farallon	POND-01-SED02-0.5	0.5	4/27/2022	8.14	126	< 1	16.1	---	60.7	---	< 1	---	< 1	< 1	---
Pond-01-01	Farallon	POND-01-01-0.5	8.5	5/10/2022	4.99	---	---	---	---	---	---	---	---	---	---	---
Pond-01-02	Farallon	POND-01-02-0.5	8.5	5/10/2022	5.04	---	---	---	---	---	---	---	---	---	---	---
Pond-01-03	Farallon	POND-01-03-0.5	8.5	5/10/2022	3.75	---	---	---	---	---	---	---	---	---	---	---
Pond-01-04	Farallon	POND-01-04-0.0	8.0	5/10/2022	---	---	---	---	---	63.6	---	---	---	---	---	---
	Farallon	POND-01-04-0.0-SIEVE	8.0	5/10/2022	---	---	---	---	---	15.0	---	---	---	---	---	---
Pond-02-Deb	Farallon	POND-02-DEB	2.0	5/9/2022	---	---	---	---	---	179	---	---	---	---	---	---
	Farallon	POND-02-DEB-SIEVE	2.0	5/9/2022	---	---	---	---	---	54.1	---	---	---	---	---	---
Pond-03-01	Farallon	POND-03-01-2.0	2.0	5/27/2022	---	---	---	---	---	196	---	---	---	---	---	---
	Farallon	POND-03-01-2.0-SIEVE	2.0	5/27/2022	---	---	---	---	---	36.8	---	---	---	---	---	---
Pond-03-02	Farallon	POND-03-02-3.5	3.5	5/27/2022	---	---	---	---	---	289	---	---	---	---	---	---
	Farallon	POND-03-02-3.5-SIEVE	3.5	5/27/2022	---	---	---	---	---	75.5	---	---	---	---	---	---
Pond-03-03	Farallon	POND-03-03-2.5	2.5	5/27/2022	---	---	---	---	---	283	---	---	---	---	---	---
	Farallon	POND-03-03-2.5-SIEVE	2.5	5/27/2022	---	---	---	---	---	65.6	---	---	---	---	---	---
Pond-03-04	Farallon	POND-03-04-0.5	0.5	9/6/2023	---	---	---	---	---	184	---	---	---	---	---	---

Table 6
Interim Action Soil Analytical Results for Metals
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]											
					Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Zinc
Stockpile Samples - Various Areas																
PEG3-PL-01	Farallon	PEG3-PL-01-032624	NA	3/26/2024	6.1	49	< 1	10	---	9.6	---	< 1	---	< 1	< 1	---
PEG3-PL-05	Farallon	PEG3-PL-05-032624	NA	3/26/2024	4.7	51	< 1	10	---	15	---	< 1	---	< 1	< 1	---
PEG3-PL-08	Farallon	PEG3-PL-08-032624	NA	3/26/2024	6.0	54	< 1	11	---	38	---	< 1	---	< 1	< 1	---
STP-01-031324	Farallon	STP-01-031324	NA	3/13/2024	5.2	49	< 1	12	---	17	---	< 1	---	< 1	< 1	---
STP-02-031324	Farallon	STP-02-031324	NA	3/13/2024	4.6	88	< 1	14	---	60	---	< 1	---	< 1	< 1	---
STP-03-031324	Farallon	STP-03-031324	NA	3/13/2024	6.9	59	< 1	16	---	120	---	< 1	---	< 1	< 1	---
STP-04-031324	Farallon	STP-04-031324	NA	3/13/2024	6.2	63	< 1	13	---	7.2	---	< 1	---	< 1	< 1	---
STP-05-031324	Farallon	STP-05-031324	NA	3/13/2024	3.8	63	< 1	12	---	35	---	< 1	---	< 1	< 1	---
STP-06-031324	Farallon	STP-06-031324	NA	3/13/2024	5.2	67	< 1	14	---	28	---	< 1	---	< 1	< 1	---
STP-07-031324	Farallon	STP-07-031324	NA	3/13/2024	7.0	46	< 1	12	---	6.9	---	< 1	---	< 1	< 1	---
STP-08-031324	Farallon	STP-08-031324	NA	3/13/2024	5.5	77	< 1	12	---	37	---	< 1	---	< 1	< 1	---
STP-09-031324	Farallon	STP-09-031324	NA	3/13/2024	4.1	50	< 1	9.5	---	14	---	< 1	---	< 1	< 1	---
STP-10-031324	Farallon	STP-10-031324	NA	3/13/2024	4.7	58	< 1	13	---	10	---	< 1	---	< 1	< 1	---
STP-11-031324	Farallon	STP-11-031324	NA	3/13/2024	5.5	60	< 1	12	---	33	---	< 1	---	< 1	< 1	---
STP-12-031324	Farallon	STP-12-031324	NA	3/13/2024	3.6	45	< 1	14	---	7.7	---	< 1	---	< 1	< 1	---

NOTES:

Gray highlight indicates sample was overexcavated during the interim action.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

— denotes sample not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Methods 6010 or 6020/6020B.

DOF = Dalton, Olmsted & Fuglevand, Inc.

Farallon = Farallon Consulting, L.L.C.

J = result is an estimate

LDW = Lower Duwamish Waterway

UST = underground storage tank

Table 7
Soil Analytical Results for VOCs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]						
					Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,2,4-Trimethylbenzene	1,2-Dibromoethane
Area 13: Former Northwest Auto Wrecking Property											
2022 Stormwater Pond Investigation and Excavation											
Pond-01-SED01	Farallon	POND-01-SED01-0.5	0.5	4/27/2022	0.0018	0.0012	0.0047 J	< 0.002	0.0022	< 0.05	< 0.005
Pond-01-SED02	Farallon	POND-01-SED02-0.5	0.5	4/27/2022	0.0019	0.0015	0.0019 J	< 0.002	< 0.001	< 0.05	< 0.005
2022 Underground Storage Tank and Test Pit Investigation											
FTP-18	Farallon	FTP-18-12.0	12.0	6/15/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
	Farallon	FTP-18-17.0	17.0	6/15/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
FTP-19	Farallon	FTP-19-16.0	16.0	6/15/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
FTP-21	Farallon	FTP-21-12.0	12.0	6/15/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
	Farallon	FTP-21-17.0	17.0	6/15/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
FTP-22	Farallon	FTP-22-12.0	12.0	6/15/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
FTP-23	Farallon	FTP-23-12.0	12.0	6/16/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
FTP-24	Farallon	FTP-24-12.0	12.0	6/16/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
FTP-25	Farallon	FTP-25-12.0	12.0	6/16/2022	< 0.001	< 0.001	< 0.001	< 0.002	< 0.001	< 0.05	< 0.005
TRENCH-01	Farallon	TRENCH-01-7.0	7.0	6/13/2022	0.0031	0.0014	< 0.001	< 0.002	< 0.001	0.31	< 0.005
Excavation No. 5											
UST-05-WSW01-5.5	Farallon	UST-05-WSW01-5.5	5.5	8/26/2022	< 0.025	< 0.02	< 0.05	< 0.05	< 0.05	150	< 0.05
UST-05-BOT01-7.0	Farallon	UST-05-BOT01-7.0	7.0	8/26/2022	< 0.025	< 0.02	< 0.05	< 0.05	< 0.05	650	1.7

NOTES:
Gray highlight indicates sample was overexcavated during the interim action.
< denotes analyte not detected at or exceeding the laboratory reporting limit listed.
— denotes sample not analyzed or result not reported.
[1]Depth in feet below ground surface.
[2]Analyzed by U.S. Environmental Protection Agency Method 8260.
[3]Washington State Department of Ecology Lower Duwamish Waterway Preliminary Cleanup Level Workbook, revised April 2019.

D = the reported value is from a dilution.
Farallon = Farallon Consulting, L.L.C.
J = result is an estimate
LDW = Lower Duwamish Waterway
MEK = methyl ethyl ketone
NA = not applicable
NE = not established
PCE = tetrachloroethene
PCUL = preliminary cleanup level
VOCs = volatile organic compounds
Y = calibration verification for this analyte exceeded the limit and value is an estimate

Table 8
Soil Analytical Results for VPH and EPH
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Area	Area 2: Perishables Warehouse	Area 7: Former Automobile Service Stations
Sample Location	EX03-ESW-01	WSW-01
Sample Identification	EX03-ESW-01-7.0	WSW-01-15.0
Sample Depth (ft bgs)[1]	7.0	15.0
Sample Date	6/22/2020	6/11/2020
Parameter		
Volatile Petroleum Hydrocarbons[2] (mg/kg)		
C5-C6 Aliphatics	< 33.3	< 63.5
C6-C8 Aliphatics	< 33.3	985
C8-C10 Aliphatics	< 33.3	622
C10-C12 Aliphatics	43	1,550
C8-C10 Aromatics	< 33.3	1,600
C10-C12 Aromatics	92.5	520
C12-C13 Aromatics	396	< 63.5
Extractable Petroleum Hydrocarbons[3] (mg/kg)		
C8-C10 Aliphatics	11.9	90.1
C10-C12 Aliphatics	141	107
C12-C16 Aliphatics	1,850	25.4
C16-C21 Aliphatics	1,450	4.38
C21-C34 Aliphatics	141	4.9
C8-C10 Aromatics	< 2.55	6.83
C10-C12 Aromatics	6.8	16.7
C12-C16 Aromatics	293	8.54
C16-C21 Aromatics	545	4.05
C21-C34 Aromatics	60.8	3.62

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWVPH.

[3]Analyzed by Northwest Method NWEPH.

EPH = extractable petroleum hydrocarbons

J = result is an estimate

mg/kg = milligrams per kilogram

VPH = volatile petroleum hydrocarbons

Table 9
Catch Basin Solids Analytical Results for PCBs
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sample Identification	Sample Date	Analytical Results (milligrams per kilogram)[1]									
			Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
CB-23	CB-23-042822	4/28/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.015	0.020	< 0.002	< 0.002	0.035
CB-24	CB-24-042822	4/28/2022	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.018

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

PCB = polychlorinated biphenyl

[1]Analyzed by U.S. Environmental Protection Agency Method 8082A.

Table 10
Interim Action Groundwater Analytical Results for TPH and BTEX
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]
Area 7: Former Automobile Service Stations										
2021 Right-of-Way Subsurface Investigation Reconnaissance Boring Groundwater Samples										
F-35	Farallon	4/28/2021	F-35-20210428	250 X	< 250	750	0.57	< 1	9.8	15
F-37	Farallon	4/28/2021	F-37-20210428	1,400 X	< 250	1,200	< 0.35	< 1	< 1	15
2022 Right-of-Way Well Installation										
FMW-04	Farallon	10/24/2022	FMW-4-102422	< 50	< 250	< 100	< 0.35	< 1	< 1	< 3

NOTES:
< denotes analyte not detected at or exceeding the reporting limit listed.
[1]Analyzed by Northwest Method NWTPH-Dx.
[2]Analyzed by Northwest Method NWTPH-Gx.
[3]Analyzed by U.S. Environmental Protection Agency Method 8021 or 8260/8260D.

BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = total petroleum hydrocarbons (TPH) as diesel-range organics
Farallon = Farallon Consulting, L.L.C.
GRO = TPH as gasoline-range organics
ORO = TPH as oil-range organics
X = The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Table 11
UST Product Analytical Results
Emerald Gateway Site
Seattle, Washington
Farallon PN: 1071-026

Sample Location	PRODUCT	UST04	UST-05-Product
Sample Identification	PRODUCT-081820	UST04-PRODUCT-101620	UST-05-PRODUCT
Sampled By	Farallon	Farallon	Farallon
Sample Date	8/18/2020	10/16/2020	6/16/2022
Parameter			
Total Petroleum Hydrocarbons[1] (mg/kg)			
Gasoline-range Organics[2]	37,000	170,000	500,000
Diesel-range Organics	430,000	1,100,000 E	160,000 X
Oil-range Organics	160,000	25,000 X	< 5000
Metals[3] (mg/kg)			
Arsenic	---	---	< 1
Lead	---	---	1,190
Volatile Organic Compounds (VOCs)[4] (mg/kg)			
1,2,4-Trimethylbenzene	350	1,600	46,000
1,2-Dibromoethane	< 10	< 50	< 1,000
1,2-Dichloroethane	< 10	< 50	1,200
1,3,5-Trimethylbenzene	74	440	17,000
2-Chlorotoluene	< 10	< 50	6,200
4-Chlorotoluene	< 10	< 50	1,900
Benzene	< 6	< 30	36,000
cis-1,2-Dichloroethene	< 10	< 50	< 1,000
Ethylbenzene	30	130	21,000
Hexane	< 50	< 250	40,000
Isopropylbenzene	< 10	70	2,300
Naphthalene	1,200	1,200	3,900
n-Propylbenzene	26	110	7,800
p-Isopropyltoluene	52	150	< 1,000
Sec-Butylbenzene	23	100	< 1,000
Styrene	< 10	< 50	1,200
Tetrachloroethene (PCE)	< 5	< 25	< 500
Toluene	40	250	150,000
trans-1,2-Dichloroethene	< 10	< 50	< 1,000
Trichloroethene (TCE)	< 4	< 20	< 400
Vinyl Chloride	< 10	< 50	< 1,000
Xylenes	201	1,650	160,000
Other VOCs	ND	ND	ND
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs)[5] (mg/kg)			
Naphthalene	---	---	3,600
1-Methylnaphthalene	---	---	1,100
2-Methylnaphthalene	---	---	2,100
Acenaphthene	---	---	14
Acenaphthylene	---	---	< 1.5
Anthracene	---	---	3.8
Benzo(g,h,i)Perylene	---	---	< 1.5
Fluoranthene	---	---	4.2
Fluorene	---	---	70
Phenanthrene	---	---	91
Pyrene	---	---	22
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs)[5] (mg/kg)			
Benzo(a)Anthracene	92	---	< 1.5
Benzo(a)Pyrene	38	---	< 1.5
Benzo(b)Fluoranthene	18	---	< 1.5
Benzo(k)Fluoranthene	< 15	---	< 1.5
Total Benzofluoranthenes	18	---	< 3.0
Chrysene	170	---	< 1.5
Dibenzo(a,h)Anthracene	< 15	---	< 1.5
Indeno(1,2,3-cd)Pyrene	< 15	---	< 1.5
cPAH TEC[6,7]	53	---	< 1.1
Polychlorinated Biphenyls (PCBs)[8] (mg/kg)			
Aroclor 1016	< 2	---	< 2
Aroclor 1221	< 2	---	< 2
Aroclor 1232	< 2	---	< 2
Aroclor 1242	< 2	---	< 2
Aroclor 1248	< 2	---	< 2
Aroclor 1254	< 2	---	< 2
Aroclor 1260	< 2	---	< 2
Aroclor 1262	< 2	---	< 2
Aroclor 1268	< 2	---	< 2
Total PCBs	< 18	---	< 18

NOTES:

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

— denotes sample not analyzed.

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Methods 6020B.

[4]Analyzed by U.S. Environmental Protection Agency Method 8260.

[5]Analyzed by U.S. Environmental Protection Agency Method 8270E.

[6]Total cPAHs derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

[7]For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEC.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082/8082A.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

mg/kg = milligrams per kilogram

ORO = TPH as oil-range organics

PAHs = polycyclic aromatic hydrocarbons

TEC = toxic equivalent concentration

UST = underground storage tank

VOCs = volatile organic compounds

X = The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

APPENDIX A
LABORATORY ANALYTICAL REPORTS

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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May 13, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on May 9, 2022 from the 1071-026, F&BI 205139 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Pete Kingston
FLN0513R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 9, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC 1071-026, F&BI 205139 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
205139 -01	Pond-02-Deb

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-02-Deb	Client:	Farallon Consulting, LLC
Date Received:	05/09/22	Project:	1071-026, F&BI 205139
Date Extracted:	05/10/22	Lab ID:	205139-01
Date Analyzed:	05/10/22	Data File:	205139-01.118
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	179

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	1071-026, F&BI 205139
Date Extracted:	05/10/22	Lab ID:	I2-344 mb
Date Analyzed:	05/10/22	Data File:	I2-344 mb.108
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-02-Deb	Client:	Farallon Consulting, LLC
Date Received:	05/09/22	Project:	1071-026, F&BI 205139
Date Extracted:	05/10/22	Lab ID:	205139-01
Date Analyzed:	05/10/22	Data File:	051040.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	85	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.040
Aroclor 1248	<0.002
Aroclor 1254	0.078
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	1071-026, F&BI 205139
Date Extracted:	05/10/22	Lab ID:	02-1105 mb2
Date Analyzed:	05/10/22	Data File:	051036.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	87	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 05/13/22
Date Received: 05/09/22
Project: 1071-026, F&BI 205139

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 204384-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	1.36	92	94	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	97	80-120

Date of Report: 05/13/22
Date Received: 05/09/22
Project: 1071-026, F&BI 205139

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 205115-11 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	96	101	29-125	5
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	83	86	25-137	4

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	125	55-137
Aroclor 1260	mg/kg (ppm)	0.25	125	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

205139

SAMPLE CHAIN OF CUSTODY

05/09/22 VS-A1-Door / DQ2

Page # ____ of ____

Report To V. Tehluan / P. Kingston

Company FARALLON

Address ON FILE

City, State, ZIP

Phone ____ Email ____

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24-hour
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other ____
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082 Low-Level	Lead				Notes
POND-02-DEB	01A-F	5-9-22	1230	Soil	6							X	X				X per YP 5/10/22 ME
5-9-22																	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kouas Zygas	FARALLON	5-9-22	1528
Received by:	Eric Yanez	FCR	5/9/22	1528
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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www.friedmanandbruya.com

September 6, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on August 30, 2022 from the 1071-026, F&BI 208473 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0906R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 30, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC 1071-026, F&BI 208473 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
208473 -01	EX05-NSW-02-7.0
208473 -02	EX05-WSW-03-12.0
208473 -03	EX05-SSW-01-12.0
208473 -04	EX05-B-03-18.0
208473 -05	EX05-B-04-18.0
208473 -06	EX05-ESW-01-12.0
208473 -07	EX05-ESW-02-7.0

All quality control requirements were acceptable.

Date of Report: 09/06/22
Date Received: 08/30/22
Project: 1071-026, F&BI 208473
: 08/31/22
Date Analyzed: 08/31/22

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX05-NSW-02-7.0 208473-01	<0.02	<0.02	<0.02	<0.06	<5	99
EX05-WSW-03-12.0 208473-02	<0.02	<0.02	<0.02	<0.06	<5	98
EX05-SSW-01-12.0 208473-03	<0.02	<0.02	<0.02	<0.06	<5	99
EX05-B-03-18.0 208473-04	<0.02	<0.02	<0.02	<0.06	<5	100
EX05-B-04-18.0 208473-05	<0.02	<0.02	<0.02	<0.06	<5	99
EX05-ESW-01-12.0 208473-06	<0.02	<0.02	<0.02	<0.06	<5	100
EX05-ESW-02-7.0 208473-07	<0.02	<0.02	<0.02	<0.06	<5	100
Method Blank 02-1756 MB	<0.02	<0.02	<0.02	<0.06	<5	100

Date of Report: 09/06/22
Date Received: 08/30/22
Project: 1071-026, F&BI 208473
Date Extracted: 08/31/22
Date Analyzed: 08/31/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
EX05-NSW-02-7.0 208473-01	<2.5	36	88
EX05-WSW-03-12.0 208473-02	<2.5	<12	85
EX05-SSW-01-12.0 208473-03	<2.5	<12	83
EX05-B-03-18.0 208473-04	<2.5	<12	84
EX05-B-04-18.0 208473-05	<2.5	<12	81
EX05-ESW-01-12.0 208473-06	<2.5	<12	81
EX05-ESW-02-7.0 208473-07	22 x	170	89
Method Blank 02-2059 MB2	<2.5	<12	93

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-NSW-02-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-01 1/5
Date Analyzed:	09/01/22	Data File:	083134.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	70 d	16	137
2-Fluorobiphenyl	85 d	46	122
2,4,6-Tribromophenol	64 d	17	154
Terphenyl-d14	84 d	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	0.012
Pyrene	0.015
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	0.010
Benzo(b)fluoranthene	0.014
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-WSW-03-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-02
Date Analyzed:	08/31/22	Data File:	083123.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	63	16	137
2-Fluorobiphenyl	77	46	122
2,4,6-Tribromophenol	82	17	154
Terphenyl-d14	97	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-SSW-01-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-03
Date Analyzed:	09/01/22	Data File:	083130.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	56	16	137
2-Fluorobiphenyl	59	46	122
2,4,6-Tribromophenol	73	17	154
Terphenyl-d14	84	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-B-03-18.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-04
Date Analyzed:	09/01/22	Data File:	083131.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	43	16	137
2-Fluorobiphenyl	57	46	122
2,4,6-Tribromophenol	72	17	154
Terphenyl-d14	87	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-B-04-18.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-05
Date Analyzed:	09/01/22	Data File:	083132.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	68	16	137
2-Fluorobiphenyl	74	46	122
2,4,6-Tribromophenol	80	17	154
Terphenyl-d14	89	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-ESW-01-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-06
Date Analyzed:	09/01/22	Data File:	083133.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	62	16	137
2-Fluorobiphenyl	72	46	122
2,4,6-Tribromophenol	66	17	154
Terphenyl-d14	86	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-ESW-02-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-07 1/5
Date Analyzed:	09/01/22	Data File:	083135.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	56 d	16	137
2-Fluorobiphenyl	75 d	46	122
2,4,6-Tribromophenol	59 d	17	154
Terphenyl-d14	101 d	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	0.015
Anthracene	<0.01
Fluoranthene	0.034
Pyrene	0.047
Benz(a)anthracene	0.019
Chrysene	0.028
Benzo(a)pyrene	0.021 J
Benzo(b)fluoranthene	0.029 J
Benzo(k)fluoranthene	<0.01 J
Indeno(1,2,3-cd)pyrene	<0.01 J
Dibenz(a,h)anthracene	<0.01 J
Benzo(g,h,i)perylene	0.012 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-ESW-02-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/30/22	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	208473-07 1/10
Date Analyzed:	09/01/22	Data File:	090106.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	55 d	10	198
2-Fluorobiphenyl	70 d	45	117
2,4,6-Tribromophenol	70 d	11	158
Terphenyl-d14	91 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.02
2-Methylnaphthalene	<0.02
1-Methylnaphthalene	<0.02
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	0.033
Pyrene	0.040
Benz(a)anthracene	<0.02
Chrysene	0.030
Benzo(a)pyrene	0.021
Benzo(b)fluoranthene	0.026
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.02

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	1071-026, F&BI 208473
Date Extracted:	08/31/22	Lab ID:	02-2065 mb
Date Analyzed:	08/31/22	Data File:	083122.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	81	16	137
2-Fluorobiphenyl	88	46	122
2,4,6-Tribromophenol	84	17	154
Terphenyl-d14	106	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Date of Report: 09/06/22
Date Received: 08/30/22
Project: 1071-026, F&BI 208473

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208311-17 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	90	69-120
Toluene	mg/kg (ppm)	0.5	90	70-117
Ethylbenzene	mg/kg (ppm)	0.5	89	65-123
Xylenes	mg/kg (ppm)	1.5	91	66-120
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 09/06/22
Date Received: 08/30/22
Project: 1071-026, F&BI 208473

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208451-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	250	<50	86	90	73-135	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	250	115	74-139

Date of Report: 09/06/22
Date Received: 08/30/22
Project: 1071-026, F&BI 208473

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 208473-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.002	36 vo	36 vo	50-150	0
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	50	50	50-150	0
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	52	52	50-150	0
Acenaphthylene	mg/kg (ppm)	0.83	<0.002	70	74	50-150	6
Acenaphthene	mg/kg (ppm)	0.83	<0.002	67	70	50-150	4
Fluorene	mg/kg (ppm)	0.83	<0.002	75	79	50-150	5
Phenanthrene	mg/kg (ppm)	0.83	<0.002	83	89	10-170	7
Anthracene	mg/kg (ppm)	0.83	<0.002	84	88	50-150	5
Fluoranthene	mg/kg (ppm)	0.83	<0.002	88	96	10-203	9
Pyrene	mg/kg (ppm)	0.83	<0.002	91	98	10-208	7
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.002	93	94	37-146	1
Chrysene	mg/kg (ppm)	0.83	<0.002	90	93	36-144	3
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.002	97	92	40-150	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.002	101	98	45-157	3
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.002	96	98	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.002	96	94	24-145	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.002	98	95	31-137	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.002	95	92	14-141	3

Date of Report: 09/06/22
Date Received: 08/30/22
Project: 1071-026, F&BI 208473

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	71	61-102
2-Methylnaphthalene	mg/kg (ppm)	0.83	71	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	71	62-108
Acenaphthylene	mg/kg (ppm)	0.83	86	61-111
Acenaphthene	mg/kg (ppm)	0.83	81	61-110
Fluorene	mg/kg (ppm)	0.83	89	62-114
Phenanthrene	mg/kg (ppm)	0.83	99	64-112
Anthracene	mg/kg (ppm)	0.83	98	63-111
Fluoranthene	mg/kg (ppm)	0.83	104	66-115
Pyrene	mg/kg (ppm)	0.83	109	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	103	64-116
Chrysene	mg/kg (ppm)	0.83	103	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	99	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	103	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	103	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	116	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	116	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	116	67-126

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

208473

SAMPLE CHAIN OF CUSTODY

08-30-22

CO2/VSB3

Page # 1 of 1

Report To Yusuf Pehlivan

Company Farallon

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA, 98027

Phone 425 295 0800 Email ypehlivan

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1091-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME

☐ Standard turnaround

☒ RUSH 24

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

						ANALYSES REQUESTED										
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082				X per YP 8/30/22 ME Notes
EX05-NSW-02-7.0	01A-E	8-30-2022	0920	S	5	X	X	X			X					~~HOLD~~
EX05-WSW-03-12.0	02	8-30-2022	0938	S	5	X	X	X			X					~~HOLD~~
EX05-SSW-01-12.0	03	8-30-2022	0943	S	5	X	X	X			X					~~HOLD~~
EX05-B-03-18.0	04	8-30-2022	1241	S	5	X	X	X			X					~~HOLD~~
EX05-B-04-18.0	05	8-30-2022	1243	S	5	X	X	X			X					~~HOLD~~
EX05-ESW-01-12.0	06	8-30-2022	1500	S	5	X	X	X			X					~~HOLD~~
EX05-ESW-02-7.0	07	8-30-2022	1503	S	5	X	X	X			X					~~HOLD~~

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nilson	Max-Henry Nilson	Farallon	8-30-2022	1652
Received by: HONG NGUYEN	HONG NGUYEN	FBT	8/30/22	17:05
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

April 24, 2025

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

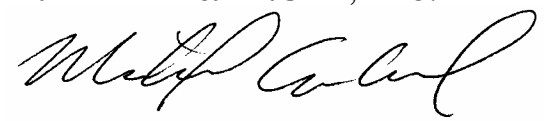
Dear Mr Pehlivan:

Included is the amended report from the testing of material submitted on April 27, 2022 from the Emerald Gateway 1071-026, F&BI 204455 project. Sample ID Pond-01-0.5 and Pond-02-0.5 have been updated to Pond-01-SED01-0.5 and Pond-01-SED02-0.5, respectively.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0502R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

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May 2, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

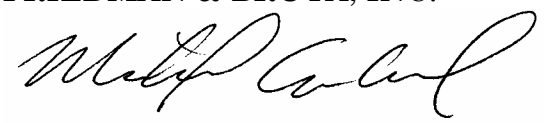
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on April 27, 2022 from the Emerald Gateway 1071-026, F&BI 204455 project. There are 24 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0502R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 27, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 204455 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
204455 -01	Pond-01-SED01-0.5
204455 -02	Pond-01-SED02-0.5

The 8260D calibration standard failed the acceptance criteria for several analytes. The data were flagged accordingly.

All other quality control requirements were acceptable.

Date of Report: 05/02/22
Date Received: 04/27/22
Project: Emerald Gateway 1071-026, F&BI 204455
Date Extracted: 04/27/22
Date Analyzed: 04/28/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
Pond-01-SED01-0.5 204455-01	<3	79
Pond-01-SED02-0.5 204455-02	<3	75
Method Blank 02-892 MB	<3	87

Date of Report: 05/02/22
Date Received: 04/27/22
Project: Emerald Gateway 1071-026, F&BI 204455
Date Extracted: 04/28/22
Date Analyzed: 04/28/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
Pond-01-SED01-0.5 204455-01	31 x	190	115
Pond-01-SED02-0.5 204455-02	60 x	710	122
Method Blank 02-1041 MB	<5	<25	135

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-01-SED01-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/28/22	Lab ID:	204455-01
Date Analyzed:	04/28/22	Data File:	204455-01.065
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	14.2
Barium	94.6
Cadmium	<1
Chromium	14.7
Lead	41.9
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-01-SED02-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/28/22	Lab ID:	204455-02
Date Analyzed:	04/28/22	Data File:	204455-02.066
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	8.14
Barium	126
Cadmium	<1
Chromium	16.1
Lead	60.7
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Emerald Gateway 1071-026
Date Extracted:	04/28/22	Lab ID:	I2-314 mb2
Date Analyzed:	04/28/22	Data File:	I2-314 mb2.064
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<0.2
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Pond-01-SED01-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	204455-01 1/0.25
Date Analyzed:	04/29/22	Data File:	042911.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	79	128
Toluene-d8	95	84	121
4-Bromofluorobenzene	104	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.0018
Vinyl chloride	0.0022	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	0.0012
Acetone	<5 ca	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	0.0023
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2 ca	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	0.0047 ca	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	0.0012	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	0.0011	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Pond-01-SED02-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	204455-02 1/0.25
Date Analyzed:	04/29/22	Data File:	042913.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	79	128
Toluene-d8	106	84	121
4-Bromofluorobenzene	108	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.0019
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	0.0013
Acetone	<5 ca	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	0.0025
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2 ca	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	0.0019 ca	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	0.0015	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	0.0012	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	02-995 mb 1/0.25
Date Analyzed:	05/02/22	Data File:	050209.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	102	84	121
4-Bromofluorobenzene	103	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5 ca	1,3-Dichloropropane	<0.05
Chloromethane	<0.5 ca	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5 ca	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5 ca	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2 ca	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25 ca
Toluene	<0.001	Hexachlorobutadiene	<0.25 ca
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005 ca
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25 ca
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Pond-01-SED01-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	204455-01
Date Analyzed:	04/28/22	Data File:	042810.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	58	39	103
Phenol-d6	68	48	109
Nitrobenzene-d5	62	23	138
2-Fluorobiphenyl	70	50	150
2,4,6-Tribromophenol	84	40	127
Terphenyl-d14	95	50	150

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Benz(a)anthracene	0.013
Chrysene	0.017
Benzo(a)pyrene	0.017
Benzo(b)fluoranthene	0.020
Benzo(k)fluoranthene	0.0066
Indeno(1,2,3-cd)pyrene	0.0082
Dibenz(a,h)anthracene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Pond-01-SED02-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	204455-02 1/25
Date Analyzed:	04/28/22	Data File:	042811.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	37 d	39	103
Phenol-d6	53 d	48	109
Nitrobenzene-d5	43 d	23	138
2-Fluorobiphenyl	58 d	50	150
2,4,6-Tribromophenol	118 d	40	127
Terphenyl-d14	75 d	50	150

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Benz(a)anthracene	0.46
Chrysene	0.47
Benzo(a)pyrene	0.54
Benzo(b)fluoranthene	0.51
Benzo(k)fluoranthene	0.15
Indeno(1,2,3-cd)pyrene	0.25
Dibenz(a,h)anthracene	0.052

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	02-1038 mb2
Date Analyzed:	04/28/22	Data File:	042807.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	53	39	103
Phenol-d6	63	48	109
Nitrobenzene-d5	57	23	138
2-Fluorobiphenyl	70	50	150
2,4,6-Tribromophenol	68	40	127
Terphenyl-d14	91	50	150

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-01-SED01-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	204455-01
Date Analyzed:	04/28/22	Data File:	042806.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	77	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.0070
Aroclor 1260	0.0052
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-01-SED02-0.5	Client:	Farallon Consulting, LLC
Date Received:	04/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	204455-02
Date Analyzed:	04/28/22	Data File:	042807.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	73	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.036
Aroclor 1260	0.028
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	04/27/22	Lab ID:	02-1039 mb2
Date Analyzed:	04/28/22	Data File:	042804.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	79	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 05/02/22
Date Received: 04/27/22
Project: Emerald Gateway 1071-026, F&BI 204455

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 204437-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	130	61-153

Date of Report: 05/02/22
Date Received: 04/27/22
Project: Emerald Gateway 1071-026, F&BI 204455

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	500	101	105	74-139	4

Date of Report: 05/02/22
Date Received: 04/27/22
Project: Emerald Gateway 1071-026, F&BI 204455

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 204432-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	92	102	75-125	10
Barium	mg/kg (ppm)	50	41.1	86	87	75-125	1
Cadmium	mg/kg (ppm)	10	<5	94	103	75-125	9
Chromium	mg/kg (ppm)	50	11.9	90	99	75-125	10
Lead	mg/kg (ppm)	50	<5	91	102	75-125	11
Mercury	mg/kg (ppm	5	<5	90	109	75-125	19
Selenium	mg/kg (ppm)	5	<5	85	89	75-125	5
Silver	mg/kg (ppm)	10	<5	83	91	75-125	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	94	80-120
Barium	mg/kg (ppm)	50	98	80-120
Cadmium	mg/kg (ppm)	10	99	80-120
Chromium	mg/kg (ppm)	50	99	80-120
Lead	mg/kg (ppm)	50	99	80-120
Mercury	mg/kg (ppm)	5	104	80-120
Selenium	mg/kg (ppm)	5	95	80-120
Silver	mg/kg (ppm)	10	94	80-120

Date of Report: 05/02/22
Date Received: 04/27/22
Project: Emerald Gateway 1071-026, F&BI 204455

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 204438-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	26	27	10-142	4
Chloromethane	mg/kg (ppm)	1	<0.5	53	55	10-126	4
Vinyl chloride	mg/kg (ppm)	1	<0.05	53	57	10-138	7
Bromomethane	mg/kg (ppm)	1	<0.5	83	76	10-163	9
Chloroethane	mg/kg (ppm)	1	<0.5	70	66	10-176	6
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	67	67	10-176	0
Acetone	mg/kg (ppm)	5	<5	89	93	10-163	4
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	76	78	10-160	3
Hexane	mg/kg (ppm)	1	<0.25	68	73	10-137	7
Methylene chloride	mg/kg (ppm)	1	<0.5	98	98	10-156	0
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	91	94	21-145	3
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	83	86	14-137	4
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	88	89	19-140	1
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	118	113	10-158	4
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	92	88	25-135	4
Chloroform	mg/kg (ppm)	1	<0.05	93	93	21-145	0
2-Butanone (MEK)	mg/kg (ppm)	5	<1	87	85	19-147	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	91	88	12-160	3
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	91	90	10-156	1
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	86	86	17-140	0
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	90	90	9-164	0
Benzene	mg/kg (ppm)	1	<0.03	89	86	29-129	3
Trichloroethene	mg/kg (ppm)	1	<0.02	88	87	21-139	1
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	86	82	30-135	5
Bromodichloromethane	mg/kg (ppm)	1	<0.05	95	92	23-155	3
Dibromomethane	mg/kg (ppm)	1	<0.05	93	91	23-145	2
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	93	91	24-155	2
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	95	89	28-144	7
Toluene	mg/kg (ppm)	1	<0.05	89	89	35-130	0
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	94	93	26-149	1
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	91	90	10-205	1
2-Hexanone	mg/kg (ppm)	5	<0.5	88	91	15-166	3
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	92	90	31-137	2
Tetrachloroethene	mg/kg (ppm)	1	<0.025	90	90	20-133	0
Dibromochloromethane	mg/kg (ppm)	1	<0.05	90	89	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	91	90	28-142	1
Chlorobenzene	mg/kg (ppm)	1	<0.05	92	91	32-129	1
Ethylbenzene	mg/kg (ppm)	1	<0.05	92	92	32-137	0
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	95	96	31-143	1
m,p-Xylene	mg/kg (ppm)	2	<0.1	92	92	34-136	0
o-Xylene	mg/kg (ppm)	1	<0.05	94	95	33-134	1
Styrene	mg/kg (ppm)	1	<0.05	92	92	35-137	0
Isopropylbenzene	mg/kg (ppm)	1	<0.05	92	94	31-142	2
Bromoform	mg/kg (ppm)	1	<0.05	88	90	21-156	2
n-Propylbenzene	mg/kg (ppm)	1	<0.05	90	90	23-146	0
Bromobenzene	mg/kg (ppm)	1	<0.05	88	88	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	<0.05	90	89	18-149	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	91	91	28-140	0
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	89	88	25-144	1
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	89	89	31-134	0
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	88	88	31-136	0
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	93	90	30-137	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	<0.05	89	90	10-182	1
sec-Butylbenzene	mg/kg (ppm)	1	<0.05	92	91	23-145	1
p-Isopropyltoluene	mg/kg (ppm)	1	<0.05	92	93	21-149	1
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	91	90	30-131	1
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	89	90	29-129	1
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	90	89	31-132	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	84	89	11-161	6
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	94	93	22-142	1
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	94	93	10-142	1
Naphthalene	mg/kg (ppm)	1	<0.05	90	90	14-157	0
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	92	93	20-144	1

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Project: Emerald Gateway 1071-026, F&BI 204455

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	45	10-146
Chloromethane	mg/kg (ppm)	1	59	27-133
Vinyl chloride	mg/kg (ppm)	1	65	22-139
Bromomethane	mg/kg (ppm)	1	80	38-114
Chloroethane	mg/kg (ppm)	1	70	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	79	10-196
Acetone	mg/kg (ppm)	5	86	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	85	47-128
Hexane	mg/kg (ppm)	1	78	43-142
Methylene chloride	mg/kg (ppm)	1	109	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	93	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	86	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	92	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	109	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	91	72-127
Chloroform	mg/kg (ppm)	1	96	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	90	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	92	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	93	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	89	69-128
Carbon tetrachloride	mg/kg (ppm)	1	96	60-139
Benzene	mg/kg (ppm)	1	91	71-118
Trichloroethene	mg/kg (ppm)	1	92	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	91	72-127
Bromodichloromethane	mg/kg (ppm)	1	98	57-126
Dibromomethane	mg/kg (ppm)	1	95	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	96	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	98	67-122
Toluene	mg/kg (ppm)	1	89	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	97	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	92	64-115
2-Hexanone	mg/kg (ppm)	5	96	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	92	72-130
Tetrachloroethene	mg/kg (ppm)	1	89	72-114
Dibromochloromethane	mg/kg (ppm)	1	96	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	95	74-132
Chlorobenzene	mg/kg (ppm)	1	93	76-111
Ethylbenzene	mg/kg (ppm)	1	90	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	98	64-121
m,p-Xylene	mg/kg (ppm)	2	91	78-122
o-Xylene	mg/kg (ppm)	1	93	77-124
Styrene	mg/kg (ppm)	1	90	74-126
Isopropylbenzene	mg/kg (ppm)	1	90	76-127
Bromoform	mg/kg (ppm)	1	98	56-132
n-Propylbenzene	mg/kg (ppm)	1	90	74-124
Bromobenzene	mg/kg (ppm)	1	91	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	89	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	91	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	95	61-137
2-Chlorotoluene	mg/kg (ppm)	1	91	74-121
4-Chlorotoluene	mg/kg (ppm)	1	91	75-122
tert-Butylbenzene	mg/kg (ppm)	1	92	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	90	76-125
sec-Butylbenzene	mg/kg (ppm)	1	91	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	91	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	90	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	91	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	92	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	102	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	93	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	93	50-153
Naphthalene	mg/kg (ppm)	1	92	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	95	63-138

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 204315-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	78	79	34-118	1
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	82	84	29-130	2
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	82	83	37-119	1
Benz(a)anthracene	mg/kg (ppm)	0.83	0.076	88	83	50-150	6
Chrysene	mg/kg (ppm)	0.83	0.082	83	80	50-150	4
Benzo(a)pyrene	mg/kg (ppm)	0.83	0.079	90	86	50-150	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	0.10	90	85	50-150	6
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	0.028	88	89	50-150	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	0.044	81	83	41-134	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	0.0097	83	81	44-130	2

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Project: Emerald Gateway 1071-026, F&BI 204455

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	82	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	84	67-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	84	66-107
Benz(a)anthracene	mg/kg (ppm)	0.83	89	70-130
Chrysene	mg/kg (ppm)	0.83	89	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	89	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	92	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	91	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	93	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	93	67-128

Date of Report: 05/02/22
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Project: Emerald Gateway 1071-026, F&BI 204455

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 204449-01 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	65	64	44-107	2
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	60	60	38-124	0

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	97	47-158
Aroclor 1260	mg/kg (ppm)	0.25	108	69-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

204455

Report To Yusuf Pehlivan

Company Farallon

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature) 04.27.22

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

Page # 1 of 1 BIZ

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24-HR
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

IDs updated per YP 03/31/25 ME

ID updated per YP 04/24/25 ME

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	Notes
POND-01-~~0.5~~ SED01-0.5	01 A-E	4-27-22	1250	Soil	5	X	X			X	X	X	X	
POND-~~02-0.5~~ -01- SED02-0.5	02	1	1255	Soil	5	X	X			X	X	X	X	
	04-27-22													

Friedman & Bruya, Inc.
Ph. (206) 285-8282

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Kevin Evans	Farallon	4-27-22	1409
Received by:		Tolecia Christensen	FTB	4/27/22	14:09
Relinquished by:					
Received by:			Samples received at 6 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

May 12, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on April 28, 2022 from the Emerald Gateway 1071-026, F&BI 204491 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Pete Kingston
FLN0512R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 28, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 204491 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
204491 -01	CB-23-042822
204491 -02	CB-24-042822

All quality control requirements were acceptable.

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	CB-23-042822	Client:	Farallon Consulting, LLC
Date Received:	04/28/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/03/22	Lab ID:	204491-01
Date Analyzed:	05/03/22	Data File:	050327.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	66	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.015
Aroclor 1260	0.020
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	CB-24-042822	Client:	Farallon Consulting, LLC
Date Received:	04/28/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/03/22	Lab ID:	204491-02
Date Analyzed:	05/03/22	Data File:	050328.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	74	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	05/09/22	Lab ID:	02-1053 mb3
Date Analyzed:	05/09/22	Data File:	050922.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	99	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 05/12/22
Date Received: 04/28/22
Project: Emerald Gateway 1071-026, F&BI 204491

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 204438-01 cl 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	91	96	29-125	5
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	94	101	25-137	7

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	102	55-137
Aroclor 1260	mg/kg (ppm)	0.25	108	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

20449 | 01

SAMPLE CHAIN OF CUSTODY

4-28-22

Report To: PEHLUKN / P. KINGSTON

Company: FARALLON

Address: ~ ON FILE ~

City, State, ZIP:

Phone: Email:

SAMPLERS (*signature*):

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: AP

Page # 1 of 1

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											ALL HOLD (PA with contact)
CB-23-042822	01	4-28-22	1235	Soil	1							X					X per YP
CB-24-042822	02	4-28-22	1320	↓	1							X					5/2/22 ME
4-28-22				KB													

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kojas Zegas	FARALLON	4-28-22	1646
Received by:	Liz Webber-Bryan	F?B	4/29/22	1626
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 2, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on May 10, 2022 from the Emerald Gateway 1071-026, F&BI 205169 project. There are 8 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0602R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 10, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 205169 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
205169 -01	Pond-01-01-0.5
205169 -02	Pond-01-02-0.5
205169 -03	Pond-01-03-0.5
205169 -04	Pond-01-04-0.0

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-01-04-0.0	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/26/22	Lab ID:	205169-04
Date Analyzed:	05/26/22	Data File:	205169-04.050
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	63.6

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	05/26/22	Lab ID:	I2-379 mb2
Date Analyzed:	05/26/22	Data File:	I2-379 mb2.038
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-01-04-0.0	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/26/22	Lab ID:	205169-04 1/2
Date Analyzed:	06/01/22	Data File:	053157.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	33	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.004
Aroclor 1232	<0.004
Aroclor 1016	<0.004
Aroclor 1242	0.20
Aroclor 1248	<0.004
Aroclor 1254	<0.004
Aroclor 1260	<0.004
Aroclor 1262	<0.004
Aroclor 1268	<0.004

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	05/27/22	Lab ID:	02-1281 mb2
Date Analyzed:	06/01/22	Data File:	053154.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	88	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 06/02/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 205364-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	<5	90	97	75-125	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	98	80-120

Date of Report: 06/02/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 205365-88 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	75	81	29-125	8
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	85	90	25-137	6

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	87	55-137
Aroclor 1260	mg/kg (ppm)	0.25	92	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

205169 Y

Report To J. PEHLIVAN / P. KINGSTON

Company FARALLON

Address ~~SAME AS FILE~~

City, State, ZIP

Phone Email

SAMPLERS (signature) 05.10.22

PROJECT NAME: Emerald Gateway

PO#: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

Page # 1 of 1 BI2/VSA2

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 1-DAT
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270	PCBs EPA 8082	Arsenic	Lead			Notes
POND-01-01-0.5	01 A-E	5-10-22		Soil	5	X					X		X				● STD TAT
POND-01-02-0.5	02				5	X					X		X				Low level PCBs
POND-01-03-0.5	03				5	X					X		X				per PS 5/24/22 ME
POND-01-04-0.0	04 A-F				6							●		●			Hold
	5-10-22																

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kouras Zygas	FARALLON	5-10-22	1544
Received by:	Tokoa Christensen	FTB	5/10-22	15:44
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 24, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on May 10, 2022 from the Emerald Gateway 1071-026, F&BI 205169 project. There are 9 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0624R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 10, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 205169 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
205169 -01	Pond-01-01-0.5
205169 -02	Pond-01-02-0.5
205169 -03	Pond-01-03-0.5
205169 -04	Pond-01-04-0.0

The sample Pond-01-04-0.0 was passed through a #10 sieve. The fines were discarded and the larger aggregate material was rinsed with de-ionized water and the rinsed aggregate was used for extraction.

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-01-04-0.0	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205169-04
Date Analyzed:	06/22/22	Data File:	205169-04.055
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	15.0

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	I2-435 mb2
Date Analyzed:	06/22/22	Data File:	I2-435 mb2.050
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-01-04-0.0	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205169-04
Date Analyzed:	06/22/22	Data File:	062209.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	77	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	1.3 ve
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.01
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-01-04-0.0	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205169-04 1/20
Date Analyzed:	06/23/22	Data File:	062307.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	110 d	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1242	2.1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	02-1465 mb
Date Analyzed:	06/22/22	Data File:	062204.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	95	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 06/24/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL/SOLID SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 206344-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	2.75	92	94	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	99	80-120

Date of Report: 06/24/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 206321-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.002	75	64	29-125	16
Aroclor 1260	mg/kg (ppm)	0.25	<0.002	76	63	25-137	19

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	96	55-137
Aroclor 1260	mg/kg (ppm)	0.25	93	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

205169 Y

Report To J. PEHLIVAN / P. KINGSTON

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (*signature*) 05.10.22

PROJECT NAME: Emerald Gateway

PO#: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

Page # 1 of BI2/VSA2

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 1-DAT
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270 (SIM)	PCBs EPA 8082	Arsenic				Notes
POND-01-01-0.5	01 A-E	5-10-22		Soil	5	X					X		X				
POND-01-02-0.5	02				5	X					X		X				
POND-01-03-0.5	03				5	X					X		X				
POND-01-04-0.0	04 A-F				6												HOLD
	5-10-22								BZ								

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kouras Zygas	FARALLON	5-10-22	1544
Received by:	Tobin Christensen	F+B	5/10-22	15:44
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

May 16, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on May 10, 2022 from the Emerald Gateway 1071-026, F&BI 205169 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Pete Kingston
FLN0516R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 10, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 205169 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
205169 -01	Pond-01-01-0.5
205169 -02	Pond-01-02-0.5
205169 -03	Pond-01-03-0.5
205169 -04	Pond-01-04-0.0

All quality control requirements were acceptable.

Date of Report: 05/16/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169
Date Extracted: 05/11/22
Date Analyzed: 05/11/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
Pond-01-01-0.5 205169-01	<5	<25	93
Pond-01-02-0.5 205169-02	<5	<25	92
Pond-01-03-0.5 205169-03	<5	<25	94
Method Blank 02-1175 MB	<5	<25	98

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-01-01-0.5	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	205169-01
Date Analyzed:	05/11/22	Data File:	205169-01.038
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.99

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-01-02-0.5	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	205169-02
Date Analyzed:	05/11/22	Data File:	205169-02.039
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.04

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-01-03-0.5	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	205169-03
Date Analyzed:	05/11/22	Data File:	205169-03.040
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.75

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	I2-344 mb2
Date Analyzed:	05/11/22	Data File:	I2-344 mb2.037
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Pond-01-01-0.5	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	205169-01
Date Analyzed:	05/11/22	Data File:	051108.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	62	39	103
Phenol-d6	73	48	109
Nitrobenzene-d5	69	23	138
2-Fluorobiphenyl	67	50	150
2,4,6-Tribromophenol	80	40	127
Terphenyl-d14	105	50	150

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Pond-01-02-0.5	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	205169-02
Date Analyzed:	05/11/22	Data File:	051109.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	60	39	103
Phenol-d6	74	48	109
Nitrobenzene-d5	71	23	138
2-Fluorobiphenyl	82	50	150
2,4,6-Tribromophenol	88	40	127
Terphenyl-d14	102	50	150

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Pond-01-03-0.5	Client:	Farallon Consulting, LLC
Date Received:	05/10/22	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	205169-03
Date Analyzed:	05/11/22	Data File:	051110.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	66	39	103
Phenol-d6	75	48	109
Nitrobenzene-d5	71	23	138
2-Fluorobiphenyl	77	50	150
2,4,6-Tribromophenol	87	40	127
Terphenyl-d14	97	50	150

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	05/11/22	Lab ID:	02-1108 mb2
Date Analyzed:	05/11/22	Data File:	051107.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	71	39	103
Phenol-d6	80	48	109
Nitrobenzene-d5	76	23	138
2-Fluorobiphenyl	95	50	150
2,4,6-Tribromophenol	87	40	127
Terphenyl-d14	104	50	150

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002

Date of Report: 05/16/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 205169-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	500	<50	107	99	73-135	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	500	106	74-139

Date of Report: 05/16/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 204384-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	1.03	87	87	75-125	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	88	80-120

Date of Report: 05/16/22
Date Received: 05/10/22
Project: Emerald Gateway 1071-026, F&BI 205169

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.83	85	86	64-116	1
Chrysene	mg/kg (ppm)	0.83	86	88	66-119	2
Benzo(a)pyrene	mg/kg (ppm)	0.83	85	87	62-116	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	85	88	61-118	3
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	86	87	65-119	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	79	81	64-130	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	88	88	67-131	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

205169 Y

Report To J. PEHLIVAN / P. KINGSTON

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (*signature*) 05.10.22

PROJECT NAME: Emerald Gateway

PO#: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

Page # 1 of BI2/VSA2

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 1-DAT
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270 (SIM)	PCBs EPA 8082	Arsenic				Notes
POND-01-01-0.5	01 A-E	5-10-22		Soil	5	X					X		X				
POND-01-02-0.5	02				5	X					X		X				
POND-01-03-0.5	03				5	X					X		X				
POND-01-04-0.0	04 A-F				6												HOLD
	5-10-22								BZ								

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kouras Zygas	FARALLON	5-10-22	1544
Received by:	Tobin Christensen	F+B	5/10-22	15:44
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 24, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on May 27, 2022 from the Emerald Gateway 1071-026, F&BI 205473 project. There are 12 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Pete Kingston, Kovas Zygas
FLN0624R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 27, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 205473 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
205473 -01	Pond-03-01-2.0
205473 -02	Pond-03-02-3.5
205473 -03	Pond-03-03-2.5

The samples Pond-03-01-2.0, Pond-03-02-3.5, and Pond-03-03-2.5 were passed through a #10 sieve. The fines were discarded and the larger aggregate material was rinsed with de-ionized water and the rinsed aggregate was used for extraction.

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-03-01-2.0	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205473-01
Date Analyzed:	06/22/22	Data File:	205473-01.052
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	36.8

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-03-02-3.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205473-02
Date Analyzed:	06/22/22	Data File:	205473-02.053
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	75.5

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-03-03-2.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205473-03
Date Analyzed:	06/22/22	Data File:	205473-03.054
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	65.6

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	I2-435 mb2
Date Analyzed:	06/22/22	Data File:	I2-435 mb2.050
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-03-01-2.0	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205473-01
Date Analyzed:	06/22/22	Data File:	062206.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	82	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.061
Aroclor 1260	0.038
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-03-02-3.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205473-02
Date Analyzed:	06/22/22	Data File:	062207.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	77	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.11
Aroclor 1260	0.051
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-03-03-2.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	205473-03
Date Analyzed:	06/22/22	Data File:	062208.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	69	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.085
Aroclor 1260	0.041
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/22/22	Lab ID:	02-1465 mb
Date Analyzed:	06/22/22	Data File:	062204.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	95	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 06/24/22
Date Received: 05/27/22
Project: Emerald Gateway 1071-026, F&BI 205473

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL/SOLID SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 206344-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	2.75	92	94	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	99	80-120

Date of Report: 06/24/22
Date Received: 05/27/22
Project: Emerald Gateway 1071-026, F&BI 205473

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 206321-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.002	75	64	29-125	16
Aroclor 1260	mg/kg (ppm)	0.25	<0.002	76	63	25-137	19

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	96	55-137
Aroclor 1260	mg/kg (ppm)	0.25	93	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

205473

SAMPLE CHAIN OF CUSTODY - 05-27-22

Page # 1 of 1812

Report To Y. Penluan / P. Kingston / K. Ztgas

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Metals: Pb				Notes
POND-03-01-2.0	01 A-B	5-27-22	1055	Soil	2							X	X				low-level PCBs
POND-03-02-3.5	02		1110		2							X	X				
POND-03-03-2.5	03		1125		2							X	X				
5-27-22				KZ													

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kouas Ztgas	FARALLON	5-27-22	1243
Received by:	VINH	FB1	5/27/22	1243
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 6, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

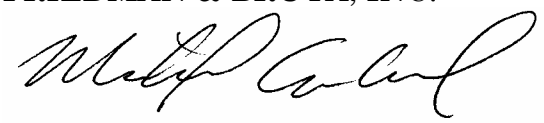
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on May 27, 2022 from the Emerald Gateway 1071-026, F&BI 205473 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Pete Kingston, Kovas Zygas
FLN0606R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 27, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 205473 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
205473 -01	Pond-03-01-2.0
205473 -02	Pond-03-02-3.5
205473 -03	Pond-03-03-2.5

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-03-01-2.0	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/31/22	Lab ID:	205473-01
Date Analyzed:	05/31/22	Data File:	205473-01.052
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	196

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-03-02-3.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/31/22	Lab ID:	205473-02 x5
Date Analyzed:	06/01/22	Data File:	205473-02 x5.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	289

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-03-03-2.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/31/22	Lab ID:	205473-03 x5
Date Analyzed:	06/01/22	Data File:	205473-03 x5.058
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	283

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/31/22	Lab ID:	I2-390 mb
Date Analyzed:	05/31/22	Data File:	I2-390 mb.042
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-03-01-2.0	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/27/22	Lab ID:	205473-01
Date Analyzed:	05/31/22	Data File:	053126.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	68	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.053
Aroclor 1260	0.043
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-03-02-3.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/27/22	Lab ID:	205473-02
Date Analyzed:	05/31/22	Data File:	053127.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	82	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.090
Aroclor 1260	0.058
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-03-03-2.5	Client:	Farallon Consulting, LLC
Date Received:	05/27/22	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/27/22	Lab ID:	205473-03
Date Analyzed:	05/31/22	Data File:	053128.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	80	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.067
Aroclor 1260	0.056
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 205473
Date Extracted:	05/26/22	Lab ID:	02-1287 mb3
Date Analyzed:	05/31/22	Data File:	053125.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	61	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 06/06/22
Date Received: 05/27/22
Project: Emerald Gateway 1071-026, F&BI 205473

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 205473-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	184	91	282 b	75-125	102 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	94	80-120

Date of Report: 06/06/22
Date Received: 05/27/22
Project: Emerald Gateway 1071-026, F&BI 205473

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 205333-24 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	84	84	29-125	0
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	89	89	25-137	0

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	102	55-137
Aroclor 1260	mg/kg (ppm)	0.25	105	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

205473

SAMPLE CHAIN OF CUSTODY - 05-27-22

Page # 1 of 1812

Report To Y. Penluan / P. Kingston / K. Ztgas

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Metals: Pb				Notes
POND-03-01-2.0	01 A-B	5-27-22	1055	Soil	2							X	X				low-level PCBs
POND-03-02-3.5	02		1110		2							X	X				
POND-03-03-2.5	03		1125		2							X	X				
5-27-22				KZ													

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kouas Ztgas	FARALLON	5-27-22	1243
Received by:	VINH	FB1	5/27/22	1243
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

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Seattle, WA 98119-2029
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fbi@isomedia.com
www.friedmanandbruya.com

July 6, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on June 13, 2022 from the Emerald Gateway 1071-026, F&BI 206231 project. There are 5 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0706R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 13, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 206231 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
206231 -01	TRENCH-01-2.5
206231 -02	TRENCH-01-7.0
206231 -03	TRENCH-02-2.0
206231 -04	TRENCH-02-7.0
206231 -05	TRENCH-03-7.0

All quality control requirements were acceptable.

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	TRENCH-01-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	07/06/22	Lab ID:	206231-02
Date Analyzed:	07/06/22	Data File:	206231-02.046
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	WE

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Lead	<1	5.0

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	07/06/22	Lab ID:	I2-457 mb
Date Analyzed:	07/06/22	Data File:	I2-457 mb.040
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	WE

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Lead	<1	5.0

Date of Report: 07/06/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL/SOLID SAMPLES FOR TCLP METALS USING EPA METHODS 6020B AND 1311

Laboratory Code: 206231-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/L (ppm)	1.0	0.110	93	98	75-125	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/L (ppm)	1.0	98	80-120

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

206231

SAMPLE CHAIN OF CUSTODY

06-13-22

Page # 1 of 1 BOL/VSBY

Report To I. PEHLIVAN

Company TARALON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24-HR

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270	PCBs EPA 8082	BTEX (8260)	Lead	Full Vol.	TCLP Pb	Notes
						ANALYSES REQUESTED											● 24 hr TAT pr VP 6/15/22 AL
TRENCH-01-2.5	01A-E	6/13/22	1440	Soil	5												HOLD
TRENCH-01-7.0	02		1450		5	X	X				●	●	X	●	●	■	
TRENCH-02-2.0	03		1445		5												HOLD
TRENCH-02-7.0	04		1455		5	X	X						X				
TRENCH-03-7.0	05		1500		5	X	X						X				■ TCLP Lead
																	24 hr ME
																	7/5/22

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		KOMAS ZEGAS	TARALON	6/15/22	1630
Received by:		ERIC HAM	FEDEX	6/13/22	1630
Relinquished by:					
Received by:			Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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June 17, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

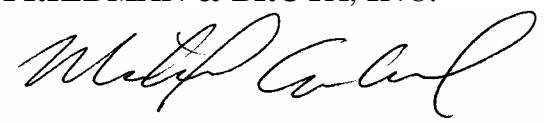
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on June 13, 2022 from the Emerald Gateway 1071-026, F&BI 206231 project. There are 23 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0617R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 13, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 206231 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
206231 -01	TRENCH-01-2.5
206231 -02	TRENCH-01-7.0
206231 -03	TRENCH-02-2.0
206231 -04	TRENCH-02-7.0
206231 -05	TRENCH-03-7.0

An 8270E internal standard failed the acceptance criteria for sample TRENCH-01-7.0. The sample was diluted and reanalyzed with acceptable results. Both data sets were reported.

Several 8260D compounds failed below the acceptance criteria in the matrix spike samples. The laboratory control samples met the acceptance criteria, therefore the data were likely due to sample matrix effect.

All other quality control requirements were acceptable.

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231
Date Extracted: 06/14/22
Date Analyzed: 06/14/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
TRENCH-01-7.0 206231-02 1/10	340	86
TRENCH-02-7.0 206231-04	<5	85
TRENCH-03-7.0 206231-05	14	89
Method Blank 02-1156 MB	<5	78

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231
Date Extracted: 06/14/22
Date Analyzed: 06/14/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
TRENCH-01-7.0 206231-02	7,500	18,000	101
TRENCH-02-7.0 206231-04	<50	<250	110
TRENCH-03-7.0 206231-05	<50	<250	99
Method Blank 02-1406 MB2	<50	<250	98

Analysis For Total Metals By EPA Method 6020B

Client ID:	TRENCH-01-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/16/22	Lab ID:	206231-02
Date Analyzed:	06/16/22	Data File:	206231-02.048
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	127

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/16/22	Lab ID:	I2-425 mb
Date Analyzed:	06/16/22	Data File:	I2-425 mb.046
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	TRENCH-01-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/14/22	Lab ID:	206231-02 1/0.25
Date Analyzed:	06/14/22	Data File:	061410.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	108	84	121
4-Bromofluorobenzene	97	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.0031
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	0.0086
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	0.015
Hexane	<0.25	o-Xylene	0.023
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	0.068
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	0.31
Benzene	<0.001	sec-Butylbenzene	0.052
Trichloroethene	0.0014	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	TRENCH-02-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/14/22	Lab ID:	206231-04 1/0.25
Date Analyzed:	06/14/22	Data File:	061411.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	0.0010
Toluene	<0.02
Ethylbenzene	0.0012
m,p-Xylene	0.0026
o-Xylene	0.0014

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	TRENCH-03-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/14/22	Lab ID:	206231-05 1/0.25
Date Analyzed:	06/14/22	Data File:	061412.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	79	128
Toluene-d8	103	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	0.11
Toluene	<0.02
Ethylbenzene	0.085
m,p-Xylene	0.46
o-Xylene	0.15

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/14/22	Lab ID:	02-1383 mb 1/0.25
Date Analyzed:	06/14/22	Data File:	061408.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	79	128
Toluene-d8	96	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	TRENCH-01-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/15/22	Lab ID:	206231-02 1/25
Date Analyzed:	06/15/22	Data File:	061520.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	55 d	24	111
Phenol-d6	73 d	37	116
Nitrobenzene-d5	125 d	38	117
2-Fluorobiphenyl	83 d	45	117
2,4,6-Tribromophenol	143 d	11	158
Terphenyl-d14	103 d	50	124

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	0.16
Chrysene	0.24
Benzo(a)pyrene	0.086 J
Benzo(b)fluoranthene	0.11 J
Benzo(k)fluoranthene	<0.05 J
Indeno(1,2,3-cd)pyrene	<0.05 J
Dibenz(a,h)anthracene	<0.05 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	TRENCH-01-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/15/22	Lab ID:	206231-02 1/100
Date Analyzed:	06/15/22	Data File:	061512.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	33 d	24	111
Phenol-d6	40 d	37	116
Nitrobenzene-d5	100 d	38	117
2-Fluorobiphenyl	90 d	45	117
2,4,6-Tribromophenol	253 d	11	158
Terphenyl-d14	90 d	50	124

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.2
Chrysene	0.25
Benzo(a)pyrene	<0.2
Benzo(b)fluoranthene	<0.2
Benzo(k)fluoranthene	<0.2
Indeno(1,2,3-cd)pyrene	<0.2
Dibenz(a,h)anthracene	<0.2

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/15/22	Lab ID:	02-1416 mb
Date Analyzed:	06/15/22	Data File:	061511.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	72	24	111
Phenol-d6	85	37	116
Nitrobenzene-d5	86	38	117
2-Fluorobiphenyl	86	45	117
2,4,6-Tribromophenol	75	11	158
Terphenyl-d14	95	50	124

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	TRENCH-01-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/15/22	Lab ID:	206231-02
Date Analyzed:	06/15/22	Data File:	061509.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	51	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	0.30 ve
Aroclor 1254	<0.002
Aroclor 1260	<0.05
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	TRENCH-01-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/13/22	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/15/22	Lab ID:	206231-02 1/10
Date Analyzed:	06/15/22	Data File:	061508.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	60 d	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1248	0.31

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 206231
Date Extracted:	06/15/22	Lab ID:	02-1418 mb
Date Analyzed:	06/15/22	Data File:	061504.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	84	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 206208-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	105	71-131

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 206221-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	98	108	73-135	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	100	74-139

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 206259-06 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	<5	93	92	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	96	80-120

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 206228-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	22 vo	26 vo	50-150	17
Chloromethane	mg/kg (ppm)	1.0	<0.5	56	52	50-150	7
Vinyl chloride	mg/kg (ppm)	1.0	<0.05	47 vo	49 vo	50-150	4
Bromomethane	mg/kg (ppm)	1.0	<0.5	63	57	50-150	10
Chloroethane	mg/kg (ppm)	1.0	<0.5	62	63	50-150	2
Trichlorofluoromethane	mg/kg (ppm)	1.0	<0.5	57	61	50-150	7
Acetone	mg/kg (ppm)	5.0	<5	83	79	50-150	5
1,1-Dichloroethene	mg/kg (ppm)	1.0	<0.05	67	72	50-150	7
Hexane	mg/kg (ppm)	1.0	<0.25	43 vo	50	50-150	15
Methylene chloride	mg/kg (ppm)	1.0	<0.5	71	67	50-150	6
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1.0	<0.05	84	83	50-150	1
trans-1,2-Dichloroethene	mg/kg (ppm)	1.0	<0.05	76	74	50-150	3
1,1-Dichloroethane	mg/kg (ppm)	1.0	<0.05	77	76	50-150	1
2,2-Dichloropropane	mg/kg (ppm)	1.0	<0.05	89	90	50-150	1
cis-1,2-Dichloroethene	mg/kg (ppm)	1.0	<0.05	78	84	50-150	7
Chloroform	mg/kg (ppm)	1.0	<0.05	82	79	50-150	4
2-Butanone (MEK)	mg/kg (ppm)	5.0	<1	82	77	50-150	6
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1.0	<0.05	81	79	50-150	2
1,1,1-Trichloroethane	mg/kg (ppm)	1.0	<0.05	82	81	50-150	1
1,1-Dichloropropene	mg/kg (ppm)	1.0	<0.05	78	76	50-150	3
Carbon tetrachloride	mg/kg (ppm)	1.0	<0.05	85	85	50-150	0
Benzene	mg/kg (ppm)	1.0	<0.03	80	79	50-150	1
Trichloroethene	mg/kg (ppm)	1.0	<0.02	81	81	50-150	0
1,2-Dichloropropane	mg/kg (ppm)	1.0	<0.05	87	88	50-150	1
Bromodichloromethane	mg/kg (ppm)	1.0	<0.05	89	83	50-150	7
Dibromomethane	mg/kg (ppm)	1.0	<0.05	83	78	50-150	6
4-Methyl-2-pentanone	mg/kg (ppm)	5.0	<1	90	88	50-150	2
cis-1,3-Dichloropropene	mg/kg (ppm)	1.0	<0.05	88	84	50-150	5
Toluene	mg/kg (ppm)	1.0	<0.05	82	82	50-150	0
trans-1,3-Dichloropropene	mg/kg (ppm)	1.0	<0.05	89	84	50-150	6
1,1,2-Trichloroethane	mg/kg (ppm)	1.0	<0.05	88	86	50-150	2
2-Hexanone	mg/kg (ppm)	5.0	<0.5	99	94	50-150	5
1,3-Dichloropropane	mg/kg (ppm)	1.0	<0.05	86	81	50-150	6
Tetrachloroethene	mg/kg (ppm)	1.0	<0.025	85	84	50-150	1
Dibromochloromethane	mg/kg (ppm)	1.0	<0.05	84	86	50-150	2
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1.0	<0.05	86	85	50-150	1
Chlorobenzene	mg/kg (ppm)	1.0	<0.05	82	82	50-150	0
Ethylbenzene	mg/kg (ppm)	1.0	<0.05	82	83	50-150	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1.0	<0.05	78	83	50-150	6
m,p-Xylene	mg/kg (ppm)	2.0	<0.1	82	82	50-150	0
o-Xylene	mg/kg (ppm)	1.0	<0.05	82	82	50-150	0
Styrene	mg/kg (ppm)	1.0	<0.05	81	82	50-150	1
Isopropylbenzene	mg/kg (ppm)	1.0	<0.05	81	80	50-150	1
Bromoform	mg/kg (ppm)	1.0	<0.05	82	81	50-150	1
n-Propylbenzene	mg/kg (ppm)	1.0	<0.05	81	79	50-150	2
Bromobenzene	mg/kg (ppm)	1.0	<0.05	81	82	50-150	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	1.0	<0.05	76	76	50-150	0
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1.0	<0.05	81	79	50-150	2
1,2,3-Trichloropropane	mg/kg (ppm)	1.0	<0.05	80	76	50-150	5
2-Chlorotoluene	mg/kg (ppm)	1.0	<0.05	75	77	50-150	3
4-Chlorotoluene	mg/kg (ppm)	1.0	<0.05	79	80	50-150	1
tert-Butylbenzene	mg/kg (ppm)	1.0	<0.05	79	78	50-150	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	1.0	<0.05	77	77	50-150	0
sec-Butylbenzene	mg/kg (ppm)	1.0	<0.05	77	76	50-150	1
p-Isopropyltoluene	mg/kg (ppm)	1.0	<0.05	79	79	50-150	0
1,3-Dichlorobenzene	mg/kg (ppm)	1.0	<0.05	84	84	50-150	0
1,4-Dichlorobenzene	mg/kg (ppm)	1.0	<0.05	82	82	50-150	0
1,2-Dichlorobenzene	mg/kg (ppm)	1.0	<0.05	81	80	50-150	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1.0	<0.5	86	82	50-150	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	1.0	<0.25	78	79	50-150	1
Hexachlorobutadiene	mg/kg (ppm)	1.0	<0.25	78	74	50-150	5
Naphthalene	mg/kg (ppm)	1.0	<0.05	74	73	50-150	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	1.0	<0.25	74	73	50-150	1

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1.0	83	10-150
Chloromethane	mg/kg (ppm)	1.0	82	21-140
Vinyl chloride	mg/kg (ppm)	1.0	86	35-135
Bromomethane	mg/kg (ppm)	1.0	92	20-151
Chloroethane	mg/kg (ppm)	1.0	90	21-147
Trichlorofluoromethane	mg/kg (ppm)	1.0	93	47-143
Acetone	mg/kg (ppm)	5.0	89	13-169
1,1-Dichloroethene	mg/kg (ppm)	1.0	91	49-138
Hexane	mg/kg (ppm)	1.0	78	61-141
Methylene chloride	mg/kg (ppm)	1.0	77	25-146
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1.0	91	65-129
trans-1,2-Dichloroethene	mg/kg (ppm)	1.0	92	62-126
1,1-Dichloroethane	mg/kg (ppm)	1.0	91	64-131
2,2-Dichloropropane	mg/kg (ppm)	1.0	116	76-150
cis-1,2-Dichloroethene	mg/kg (ppm)	1.0	95	62-127
Chloroform	mg/kg (ppm)	1.0	91	67-129
2-Butanone (MEK)	mg/kg (ppm)	5.0	84	19-171
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1.0	89	73-123
1,1,1-Trichloroethane	mg/kg (ppm)	1.0	93	66-125
1,1-Dichloropropene	mg/kg (ppm)	1.0	86	70-131
Carbon tetrachloride	mg/kg (ppm)	1.0	95	53-135
Benzene	mg/kg (ppm)	1.0	87	70-130
Trichloroethene	mg/kg (ppm)	1.0	89	62-116
1,2-Dichloropropane	mg/kg (ppm)	1.0	87	70-130
Bromodichloromethane	mg/kg (ppm)	1.0	92	70-130
Dibromomethane	mg/kg (ppm)	1.0	88	70-130
4-Methyl-2-pentanone	mg/kg (ppm)	5.0	80	64-137
cis-1,3-Dichloropropene	mg/kg (ppm)	1.0	93	68-137
Toluene	mg/kg (ppm)	1.0	99	70-130
trans-1,3-Dichloropropene	mg/kg (ppm)	1.0	99	70-130
1,1,2-Trichloroethane	mg/kg (ppm)	1.0	101	70-130
2-Hexanone	mg/kg (ppm)	5.0	112	55-145
1,3-Dichloropropane	mg/kg (ppm)	1.0	92	70-130
Tetrachloroethene	mg/kg (ppm)	1.0	106	69-131
Dibromochloromethane	mg/kg (ppm)	1.0	100	61-137
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1.0	98	70-130
Chlorobenzene	mg/kg (ppm)	1.0	96	70-130
Ethylbenzene	mg/kg (ppm)	1.0	96	70-130
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1.0	101	56-134
m,p-Xylene	mg/kg (ppm)	2.0	96	70-130
o-Xylene	mg/kg (ppm)	1.0	98	70-130
Styrene	mg/kg (ppm)	1.0	92	70-130
Isopropylbenzene	mg/kg (ppm)	1.0	97	67-131
Bromoform	mg/kg (ppm)	1.0	97	70-130
n-Propylbenzene	mg/kg (ppm)	1.0	93	70-130
Bromobenzene	mg/kg (ppm)	1.0	91	70-130
1,3,5-Trimethylbenzene	mg/kg (ppm)	1.0	90	70-130
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1.0	90	70-130
1,2,3-Trichloropropane	mg/kg (ppm)	1.0	94	70-130
2-Chlorotoluene	mg/kg (ppm)	1.0	89	70-130
4-Chlorotoluene	mg/kg (ppm)	1.0	90	70-130
tert-Butylbenzene	mg/kg (ppm)	1.0	92	70-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1.0	91	70-130
sec-Butylbenzene	mg/kg (ppm)	1.0	90	68-131
p-Isopropyltoluene	mg/kg (ppm)	1.0	94	70-130
1,3-Dichlorobenzene	mg/kg (ppm)	1.0	95	70-130
1,4-Dichlorobenzene	mg/kg (ppm)	1.0	94	70-130
1,2-Dichlorobenzene	mg/kg (ppm)	1.0	94	70-130
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1.0	97	70-130
1,2,4-Trichlorobenzene	mg/kg (ppm)	1.0	94	66-140
Hexachlorobutadiene	mg/kg (ppm)	1.0	90	67-141
Naphthalene	mg/kg (ppm)	1.0	91	69-119
1,2,3-Trichlorobenzene	mg/kg (ppm)	1.0	91	66-138

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.83	104	100	70-130	4
Chrysene	mg/kg (ppm)	0.83	98	96	70-130	2
Benzo(a)pyrene	mg/kg (ppm)	0.83	103	97	68-120	6
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	108	123	69-125	13
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	101	98	70-130	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	102	104	67-129	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	103	106	67-128	3

Date of Report: 06/17/22
Date Received: 06/13/22
Project: Emerald Gateway 1071-026, F&BI 206231

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 206231-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.002	270 b	380 b	29-125	34 b
Aroclor 1260	mg/kg (ppm)	0.25	0.039	120	113	25-137	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	78	55-137
Aroclor 1260	mg/kg (ppm)	0.25	81	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

206231

SAMPLE CHAIN OF CUSTODY

.06-13-22

Page # 1 of 1 (B04/VSBX)

Report To I. PEHLIVAN

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24-HR

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270	PCBs EPA 8082	BTEX (8260)	Lead	Full Vol.		Notes
						ANALYSES REQUESTED											● 24 hr TAT per VP 6/15/22 AL
TRENCH-01-2.5	01A-E	6/13/22	1440	Soil	5												HOLD
TRENCH-01-7.0	02		1450		5	X	X				●	●	X	●	●		
TRENCH-02-2.0	03		1445		5												HOLD
TRENCH-02-7.0	04		1455		5	X	X						X				
TRENCH-03-7.0	05		1500		5	X	X						X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Ikuma Tsuchiya	FARALLON	6/15/22	1630
Received by:	Eric Yam	FedEx	6/13/22	1630
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 29, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on June 16, 2022 from the Emerald Gateway 1071-026, F&BI 206303 project. There is 1 page included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0629R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 16, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 206303 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
206303 -01	FTP-18-7.0
206303 -02	FTP-18-12.0
206303 -03	FTP-18-17.0
206303 -04	FTP-22-7.0
206303 -05	FTP-22-12.0
206303 -06	FTP-19-7.0
206303 -07	FTP-19-11.0
206303 -08	FTP-19-16.0
206303 -09	FTP-20-2.0
206303 -10	FTP-21-7.0
206303 -11	FTP-21-12.0
206303 -12	FTP-21-17.0
206303 -13	UST-05-Product
206303 -14	FTP-23-7.0
206303 -15	FTP-23-12.0
206303 -16	FTP-23-17.0
206303 -17	FTP-24-8.0
206303 -18	FTP-24-12.0
206303 -19	FTP-24-17.0
206303 -20	FTP-25-7.0
206303 -21	FTP-25-12.0
206303 -22	FTP-25-17.0

Sample UST-05-Product was sent to Amtest for TOX analysis. The report is enclosed.

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664

Professional Analytical Services

Jun 27 2022
Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Attention: MICHAEL ERDAHL

Dear MICHAEL ERDAHL:

Enclosed please find the analytical data for your project.

The following is a cross correlation of client and laboratory identifications for your convenience.

CLIENT ID	MATRIX	AMTEST ID	TEST
UST-OS-PRODUCT	Miscellaneous	22-A010647	Leachate

Your sample was received on Thursday, June 23, 2022. At the time of receipt, the sample was logged in and properly maintained prior to the subsequent analysis.

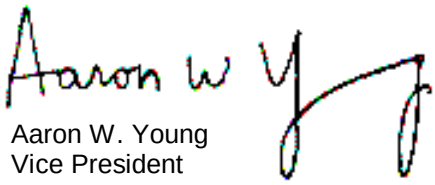
The analytical procedures used at AmTest are well documented and are typically derived from the protocols of the EPA, USDA, FDA or the Army Corps of Engineers.

Following the analytical data you will find the Quality Control (QC) results.

Please note that the detection limits that are listed in the body of the report refer to the Practical Quantitation Limits (PQL's), as opposed to the Method Detection Limits (MDL's).

If you should have any questions pertaining to the data package, please feel free to contact me.

Sincerely,



Aaron W. Young
Vice President

Project #: 206303
PO Number: C-225

BACT = Bacteriological
CONV = Conventionals
MET = Metals
ORG = Organics
NUT=Nutrients
DEM=Demand
MIN=Minerals

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

Professional Analytical Services

ANALYSIS REPORT

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Attention: MICHAEL ERDAHL
Project #: 206303
PO Number: C-225
All results reported on an as received basis.

Date Received: 06/23/22
Date Reported: 6/27/22

AMTEST Identification Number **22-A010647**
Client Identification **UST-OS-PRODUCT**
Sampling Date **06/16/22, 09:30**

Miscellaneous

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANLST	DATE
Total Organic Chloride	48.	ug/g			ASTM D808-05	AY	06/24/22

Aaron W. Young
Vice President

Am Test Inc.
13600 NE 126th PL
Suite C
Kirkland, WA, 98034
(425) 885-1664
www.amtestlab.com

QC Summary for sample number: 22-A010647

DUPLICATES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	DUP VALUE	RPD
22-A010647	Total Organic Chloride	ug/g	48.	58.	19.

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTER Amtest

PROJECT NAME/NO. 206303

PO # C-225

REMARKS

Page # 1 of 1

TURNAROUND TIME

☐ Standard TAT

☒ RUSH ASAP

Rush charges authorized by: MB

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Dioxins/Furans	EPH	VPH	TOX	% water by Karl Fisher (1)						Notes
UST-05-PRODUCT		6/16/22	0930	product	1				x	x						10647

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	6/23/22	0850
Received by:			KO	6/23/22	13:58
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

12.4°C

(1) Karl Fisher Water is not performed by AmTest. Client informed. SF 6/23/22

SAMPLE CHAIN OF CUSTODY

06-16-22

Page # 1 of 3

Report To U. Pehlivan 206303

Company Farallon

Address ~~on file~~

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071.026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-DX/HCID SILICA GEL CLEANUP	NWTPH-DX	NWTPH-DX SILICA GEL CLEANUP	NWTPH-HCID	VOCs EPA 8260D	PAHs EPA 8270D SIM	PCBs EPA 8082	PSCLT				Notes (PM only) Content
~~FP-01 - 7.0~~	01 A-B	6/15/22	1240	Soil	5	X	X	X									X-prc 4f
~~FP-01 - 12.0~~	02		1245		5	X	X	X		X	X	X	X				8/6/17
~~FP-01 - 17.0~~	03		1252		5	X	X			X	X	X	X				by 6/20
~~FP-05 - 7.0~~	04		1325		5												
~~FP-05 - 12.0~~	05		1330		5	X	X			X	X	X	X				
~~FP-02 - 7.0~~	06		1350		5	X	X	X									
~~FP-02 - 11.0~~	07		1355		5	X	X			X	X	X	X				
~~FP-02 - 16.0~~	08		1400		5	X	X	X		X	X	X	X				
~~FP-03 - 2.0~~	09		1433		5												
~~FP-04 - 7.0~~	10		1450		5	X	X			X	X	X	X				

8/6/17

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		4 hours 2 days	Farallon	6/16/22	1316
Received by:		Nham Pham	FBI	6/16/22	1316
Relinquished by:			Samples received at		4 °C
Received by:					

SAMPLE ORIGIN OR ARRIVE: 06-16-22 EPA C of X

206303

Report To Y. PEHLIVAN

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature): Khan Khan

PROJECT NAME: Emerald Gateway

PO# 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Pest				Notes
FTP-2-I																	
FP-04-12.0	11A-5	6-15-22	1455	Soil	5	X	X			X	X	X	X				
FTP-2 FP-09-17.0	VA7	"	1500	Soil	5	X	X	X									
		6-15-22															

ANALYSES REQUESTED

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Khan Khan	Khan Khan	FARALLON	6/16/22	1316
Received by:	Nhan Phan	Nhan Phan	FEBE	6/16/22	1316
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

206303

SAMPLE CHAIN OF CUSTODY 06-16-22 VSAT

Page # 3 of 3

Report To Y. PEKCUAN

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emeryville Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	5 Metals	TOX	TKN	TCLP Pb	ANALYSES REQUESTED / Notes
UST-05-Product	13	6/16/22	930	Prod	1	X	X		X	X	X	X	X	●	●	◆	● per YP 6/23/22 mE Notes Hold ALL
FTP-23-7.0	14A-E		950	Soil	5	X	X	X									Water Lv KF
FTP-23-12.0	15		955			X	X		X	X	X	X	X				canceled per YP 6/23/22 mE
FTP-23-17.0	16		1000			X	X	X									
FTP-24-8.0	17		1015			X	X	X									◆ per YP 6/16/22.
FTP-24-12.0	18		1018			X	X		X	X	X	X	X				
FTP-24-17.0	19		1023			X	X	X									2 day TAT
FTP-25-7.0	20		1050			X	X	X									
FTP-25-12.0	21		1055			X	X		X	X	X	X	X				
FTP-25-17.0	22	↓	1100	↓		X	X	X	✓								

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	~~FARALLON~~ Hours Texas	FARALLON	6/16/22	1316
Received by:	Nhan Phan	FEDEX	6/16/22	1316
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 29, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

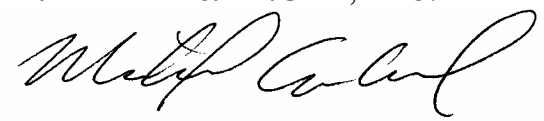
Dear Mr Pehlivan:

Included is the amended report from the testing of material submitted on June 16, 2022 from the Emerald Gateway 1071-026, F&BI 206303 project. Per your request, the project matrix has been amended to product for clarification, and the PCB reporting limit has been lowered to 1 mg/kg.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0621R.DOC

FRIEDMAN & BRUYA, INC.

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June 21, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on June 16, 2022 from the Emerald Gateway 1071-026, F&BI 206303 project. There are 18 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0621R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 16, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 206303 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
206303 -01	FTP-18-7.0
206303 -02	FTP-18-12.0
206303 -03	FTP-18-17.0
206303 -04	FTP-22-7.0
206303 -05	FTP-22-12.0
206303 -06	FTP-19-7.0
206303 -07	FTP-19-11.0
206303 -08	FTP-19-16.0
206303 -09	FTP-20-2.0
206303 -10	FTP-21-7.0
206303 -11	FTP-21-12.0
206303 -12	FTP-21-17.0
206303 -13	UST-05-Product
206303 -14	FTP-23-7.0
206303 -15	FTP-23-12.0
206303 -16	FTP-23-17.0
206303 -17	FTP-24-8.0
206303 -18	FTP-24-12.0
206303 -19	FTP-24-17.0
206303 -20	FTP-25-7.0
206303 -21	FTP-25-12.0
206303 -22	FTP-25-17.0

The soil sample results will be issued as an additional report.

An 8270E internal standard failed the acceptance criteria for sample UST-05-Product. The sample was diluted and reanalyzed with acceptable results. Both data sets were reported.

The 8260D calibration standard failed the acceptance criteria for chloroform. The data were flagged accordingly.

All other quality control requirements were acceptable.

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303
Date Extracted: 06/17/22
Date Analyzed: 06/21/22

RESULTS FROM THE ANALYSIS OF PRODUCT SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
UST-05-Product 206303-13 1/500	500,000	81
Method Blank 02-1164 MB	<5	61

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303
Date Extracted: 06/17/22
Date Analyzed: 06/17/22

RESULTS FROM THE ANALYSIS OF PRODUCT SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
UST-05-Product 206303-13 1/20	160,000 x	<5,000	89
Method Blank 02-1450 MB	<50	<250	89

Analysis For Total Metals By EPA Method 6020B

Client ID:	UST-05-Product	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-13
Date Analyzed:	06/17/22 15:17:13	Data File:	206303-13.089
Matrix:	Product	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	UST-05-Product	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-13 x25
Date Analyzed:	06/20/22	Data File:	206303-13 x25.048
Matrix:	Product	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	1,190

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	I2-425 mb2
Date Analyzed:	06/17/22	Data File:	I2-425 mb2.052
Matrix:	Product	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	UST-05-Product	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-13 1/750
Date Analyzed:	06/18/22	Data File:	061722.D
Matrix:	Product	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	106	24	111
Phenol-d6	122 ip	37	116
Nitrobenzene-d5	116	38	117
2-Fluorobiphenyl	116	45	117
2,4,6-Tribromophenol	95	11	158
Terphenyl-d14	118	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	3,800 ve
2-Methylnaphthalene	2,300 ve
1-Methylnaphthalene	1,100 ve
Acenaphthylene	<1.5
Acenaphthene	14
Fluorene	70
Phenanthrene	91
Anthracene	3.8
Fluoranthene	4.2
Pyrene	22
Benz(a)anthracene	<1.5
Chrysene	<1.5
Benzo(a)pyrene	<1.5
Benzo(b)fluoranthene	<1.5
Benzo(k)fluoranthene	<1.5
Indeno(1,2,3-cd)pyrene	<1.5
Dibenz(a,h)anthracene	<1.5
Benzo(g,h,i)perylene	<1.5

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	UST-05-Product	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-13 1/7500
Date Analyzed:	06/18/22	Data File:	061721.D
Matrix:	Product	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	97 d	24	111
Phenol-d6	117 d	37	116
Nitrobenzene-d5	104 d	38	117
2-Fluorobiphenyl	101 d	45	117
2,4,6-Tribromophenol	87 d	11	158
Terphenyl-d14	119 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	3,600
2-Methylnaphthalene	2,100
1-Methylnaphthalene	1,100
Acenaphthylene	<15
Acenaphthene	<15
Fluorene	62
Phenanthrene	86
Anthracene	<15
Fluoranthene	<15
Pyrene	23
Benz(a)anthracene	<15
Chrysene	<15
Benzo(a)pyrene	<15 J
Benzo(b)fluoranthene	<15 J
Benzo(k)fluoranthene	<15 J
Indeno(1,2,3-cd)pyrene	<15 J
Dibenz(a,h)anthracene	<15 J
Benzo(g,h,i)perylene	<15 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	02-1447 mb2 1/5
Date Analyzed:	06/17/22	Data File:	061720.D
Matrix:	Product	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	108	24	111
Phenol-d6	111	37	116
Nitrobenzene-d5	111	38	117
2-Fluorobiphenyl	110	45	117
2,4,6-Tribromophenol	88	11	158
Terphenyl-d14	134 vo	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01 J
Benzo(b)fluoranthene	<0.01 J
Benzo(k)fluoranthene	<0.01 J
Indeno(1,2,3-cd)pyrene	<0.01 J
Dibenz(a,h)anthracene	<0.01 J
Benzo(g,h,i)perylene	<0.01 J

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	UST-05-Product	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/16/22	Lab ID:	206303-13 1/20000
Date Analyzed:	06/20/22	Data File:	062012.D
Matrix:	Product	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	90	109
Toluene-d8	103	89	112
4-Bromofluorobenzene	95	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<10,000	1,3-Dichloropropane	<1,000
Chloromethane	<10,000	Tetrachloroethene	<500
Vinyl chloride	<1,000	Dibromochloromethane	<1,000
Bromomethane	<10,000	1,2-Dibromoethane (EDB)	<1,000
Chloroethane	<10,000	Chlorobenzene	<1,000
Trichlorofluoromethane	<10,000	Ethylbenzene	21,000
Acetone	<100,000	1,1,1,2-Tetrachloroethane	<1,000
1,1-Dichloroethene	<1,000	m,p-Xylene	120,000
Hexane	40,000	o-Xylene	40,000
Methylene chloride	<10,000	Styrene	1,200
Methyl t-butyl ether (MTBE)	<1,000	Isopropylbenzene	2,300
trans-1,2-Dichloroethene	<1,000	Bromoform	<1,000
1,1-Dichloroethane	<1,000	n-Propylbenzene	7,800
2,2-Dichloropropane	<1,000	Bromobenzene	<1,000
cis-1,2-Dichloroethene	<1,000	1,3,5-Trimethylbenzene	17,000
Chloroform	<1,000 ca	1,1,2,2-Tetrachloroethane	<1,000
2-Butanone (MEK)	<20,000	1,2,3-Trichloropropane	<1,000
1,2-Dichloroethane (EDC)	1,200	2-Chlorotoluene	6,200
1,1,1-Trichloroethane	<1,000	4-Chlorotoluene	1,900
1,1-Dichloropropene	<1,000	tert-Butylbenzene	<1,000
Carbon tetrachloride	<1,000	1,2,4-Trimethylbenzene	46,000
Benzene	36,000	sec-Butylbenzene	<1,000
Trichloroethene	<400	p-Isopropyltoluene	<1,000
1,2-Dichloropropane	<1,000	1,3-Dichlorobenzene	<1,000
Bromodichloromethane	<1,000	1,4-Dichlorobenzene	<1,000
Dibromomethane	<1,000	1,2-Dichlorobenzene	<1,000
4-Methyl-2-pentanone	<20,000	1,2-Dibromo-3-chloropropane	<10,000
cis-1,3-Dichloropropene	<1,000	1,2,4-Trichlorobenzene	<5,000
Toluene	150,000	Hexachlorobutadiene	<5,000
trans-1,3-Dichloropropene	<1,000	Naphthalene	3,900
1,1,2-Trichloroethane	<1,000	1,2,3-Trichlorobenzene	<5,000
2-Hexanone	<10,000		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	02-1426 mb
Date Analyzed:	06/17/22	Data File:	061728.D
Matrix:	Product	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	90	109
Toluene-d8	101	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	UST-05-Product	Client:	Farallon Consulting, LLC
Date Received:	06/17/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-13
Date Analyzed:	06/17/22 23:10	Data File:	061726.D
Matrix:	Product	Instrument:	GC7
Units:	mg/kg (ppm)	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	81	37	150

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<1
Aroclor 1232	<1
Aroclor 1016	<1
Aroclor 1242	<1
Aroclor 1248	<1
Aroclor 1254	<1
Aroclor 1260	<1
Aroclor 1262	<1
Aroclor 1268	<1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	02-1449 mb
Date Analyzed:	06/17/22 22:17	Data File:	061723.D
Matrix:	Product	Instrument:	GC7
Units:	mg/kg (ppm)	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	91	37	150

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<1
Aroclor 1232	<1
Aroclor 1016	<1
Aroclor 1242	<1
Aroclor 1248	<1
Aroclor 1254	<1
Aroclor 1260	<1
Aroclor 1262	<1
Aroclor 1268	<1

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 206303-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	130	71-131

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF PRODUCT SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 206303-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	110	110	73-135	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	106	74-139

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 206259-06 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	87	88	75-125	1
Barium	mg/kg (ppm)	50	38.7	97	90	75-125	7
Cadmium	mg/kg (ppm)	10	<5	95	92	75-125	3
Chromium	mg/kg (ppm)	50	17.5	98	97	75-125	1
Lead	mg/kg (ppm)	50	<5	93	92	75-125	1
Mercury	mg/kg (ppm	5	<5	95	98	75-125	3
Selenium	mg/kg (ppm)	5	<5	84	95	75-125	12
Silver	mg/kg (ppm)	10	<5	95	101	75-125	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	88	80-120
Barium	mg/kg (ppm)	50	96	80-120
Cadmium	mg/kg (ppm)	10	95	80-120
Chromium	mg/kg (ppm)	50	100	80-120
Lead	mg/kg (ppm)	50	96	80-120
Mercury	mg/kg (ppm)	5	99	80-120
Selenium	mg/kg (ppm)	5	91	80-120
Silver	mg/kg (ppm)	10	97	80-120

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 206303-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.002	69	72	34-118	4
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	75	79	29-130	5
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	75	79	37-119	5
Acenaphthylene	mg/kg (ppm)	0.83	<0.002	84	88	45-128	5
Acenaphthene	mg/kg (ppm)	0.83	<0.002	80	84	36-125	5
Fluorene	mg/kg (ppm)	0.83	<0.002	85	88	48-121	3
Phenanthrene	mg/kg (ppm)	0.83	<0.002	83	82	50-150	1
Anthracene	mg/kg (ppm)	0.83	<0.002	85	85	50-150	0
Fluoranthene	mg/kg (ppm)	0.83	<0.002	90	89	50-150	1
Pyrene	mg/kg (ppm)	0.83	<0.002	94	94	50-150	0
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.002	94	94	50-150	0
Chrysene	mg/kg (ppm)	0.83	<0.002	87	89	50-150	2
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.002	94	94	50-150	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.002	111	96	50-150	14
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.002	91	89	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.002	97	93	41-134	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.002	95	91	44-130	4
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.002	90	86	33-131	5

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	64	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	74	67-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	74	66-107
Acenaphthylene	mg/kg (ppm)	0.83	85	70-130
Acenaphthene	mg/kg (ppm)	0.83	82	66-112
Fluorene	mg/kg (ppm)	0.83	87	67-117
Phenanthrene	mg/kg (ppm)	0.83	86	70-130
Anthracene	mg/kg (ppm)	0.83	87	70-130
Fluoranthene	mg/kg (ppm)	0.83	95	70-130
Pyrene	mg/kg (ppm)	0.83	98	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	99	70-130
Chrysene	mg/kg (ppm)	0.83	95	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	100	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	98	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	110	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	111	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	107	64-127

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 206303-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	17	17	10-142	0
Chloromethane	mg/kg (ppm)	1	<0.5	50	49	10-126	2
Vinyl chloride	mg/kg (ppm)	1	<0.05	51	52	10-138	2
Bromomethane	mg/kg (ppm)	1	<0.5	75	78	10-163	4
Chloroethane	mg/kg (ppm)	1	<0.5	70	70	10-176	0
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	57	59	10-176	3
Acetone	mg/kg (ppm)	5	<5	86	87	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	67	72	10-160	7
Hexane	mg/kg (ppm)	1	<0.25	52	54	10-137	4
Methylene chloride	mg/kg (ppm)	1	<0.5	59	68	10-156	14
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	78	82	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	74	76	14-137	3
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	74	77	19-140	4
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	101	103	10-158	2
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	81	85	25-135	5
Chloroform	mg/kg (ppm)	1	<0.05	61	67	21-145	9
2-Butanone (MEK)	mg/kg (ppm)	5	<1	84	88	19-147	5
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	76	79	12-160	4
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	78	82	10-156	5
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	71	75	17-140	5
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	75	80	9-164	6
Benzene	mg/kg (ppm)	1	<0.03	78	83	29-129	6
Trichloroethene	mg/kg (ppm)	1	<0.02	71	75	21-139	5
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	79	85	30-135	7
Bromodichloromethane	mg/kg (ppm)	1	<0.05	77	81	23-155	5
Dibromomethane	mg/kg (ppm)	1	<0.05	85	88	23-145	3
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	82	88	24-155	7
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	83	89	28-144	7
Toluene	mg/kg (ppm)	1	<0.05	79	86	35-130	8
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	82	86	26-149	5
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	84	87	10-205	4
2-Hexanone	mg/kg (ppm)	5	<0.5	85	89	15-166	5
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	80	84	31-137	5
Tetrachloroethene	mg/kg (ppm)	1	<0.025	79	85	20-133	7
Dibromochloromethane	mg/kg (ppm)	1	<0.05	85	88	28-150	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	82	87	28-142	6
Chlorobenzene	mg/kg (ppm)	1	<0.05	85	87	32-129	2
Ethylbenzene	mg/kg (ppm)	1	<0.05	81	84	32-137	4
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	84	86	31-143	2
m,p-Xylene	mg/kg (ppm)	2	<0.1	83	87	34-136	5
o-Xylene	mg/kg (ppm)	1	<0.05	81	85	33-134	5
Styrene	mg/kg (ppm)	1	<0.05	83	87	35-137	5
Isopropylbenzene	mg/kg (ppm)	1	<0.05	80	85	31-142	6
Bromoform	mg/kg (ppm)	1	<0.05	87	90	21-156	3
n-Propylbenzene	mg/kg (ppm)	1	<0.05	82	86	23-146	5
Bromobenzene	mg/kg (ppm)	1	<0.05	85	89	34-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	<0.05	80	84	18-149	5
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	94	100	28-140	6
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	83	88	25-144	6
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	82	87	31-134	6
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	82	86	31-136	5
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	84	88	30-137	5
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	<0.05	81	84	10-182	4
sec-Butylbenzene	mg/kg (ppm)	1	<0.05	82	85	23-145	4
p-Isopropyltoluene	mg/kg (ppm)	1	<0.05	84	88	21-149	5
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	85	87	30-131	2
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	85	88	29-129	3
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	84	88	31-132	5
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	78	82	11-161	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	83	86	22-142	4
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	88	93	10-142	6
Naphthalene	mg/kg (ppm)	1	<0.05	81	83	14-157	2
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	81	84	20-144	4

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	43	10-146
Chloromethane	mg/kg (ppm)	1	65	27-133
Vinyl chloride	mg/kg (ppm)	1	75	22-139
Bromomethane	mg/kg (ppm)	1	90	38-114
Chloroethane	mg/kg (ppm)	1	83	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	86	10-196
Acetone	mg/kg (ppm)	5	96	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	90	47-128
Hexane	mg/kg (ppm)	1	97	43-142
Methylene chloride	mg/kg (ppm)	1	93	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	87	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	91	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	88	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	120	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	91	72-127
Chloroform	mg/kg (ppm)	1	76	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	95	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	89	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	93	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	90	69-128
Carbon tetrachloride	mg/kg (ppm)	1	92	60-139
Benzene	mg/kg (ppm)	1	92	71-118
Trichloroethene	mg/kg (ppm)	1	85	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	94	72-127
Bromodichloromethane	mg/kg (ppm)	1	89	57-126
Dibromomethane	mg/kg (ppm)	1	96	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	96	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	97	67-122
Toluene	mg/kg (ppm)	1	92	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	93	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	98	64-115
2-Hexanone	mg/kg (ppm)	5	97	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	92	72-130
Tetrachloroethene	mg/kg (ppm)	1	92	72-114
Dibromochloromethane	mg/kg (ppm)	1	98	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	97	74-132
Chlorobenzene	mg/kg (ppm)	1	97	76-111
Ethylbenzene	mg/kg (ppm)	1	91	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	95	64-121
m,p-Xylene	mg/kg (ppm)	2	95	78-122
o-Xylene	mg/kg (ppm)	1	93	77-124
Styrene	mg/kg (ppm)	1	95	74-126
Isopropylbenzene	mg/kg (ppm)	1	93	76-127
Bromoform	mg/kg (ppm)	1	98	56-132
n-Propylbenzene	mg/kg (ppm)	1	98	74-124
Bromobenzene	mg/kg (ppm)	1	98	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	95	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	110	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	96	61-137
2-Chlorotoluene	mg/kg (ppm)	1	96	74-121
4-Chlorotoluene	mg/kg (ppm)	1	98	75-122
tert-Butylbenzene	mg/kg (ppm)	1	99	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	94	76-125
sec-Butylbenzene	mg/kg (ppm)	1	97	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	99	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	98	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	98	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	100	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	90	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	96	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	104	50-153
Naphthalene	mg/kg (ppm)	1	94	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	97	63-138

Date of Report: 06/21/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	25	88	81	60-151	8
Aroclor 1260	mg/kg (ppm)	25	97	81	67-169	18

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

206303

Report To Y. PEHLIVAN

Company FARALLON

Address OD FILE

City, State, ZIP

Phone Email

SAMPLERS (signature) 06-16-22

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

Page # 1 of 3

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by: VS-A2

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

EDY 6/14/22 C04

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
TP-01-7.0	01A-B	6/15/22	1240	Soil	5												HOLD (PM will Contact)
TP-01-12.0	02		1245		5												
TP-01-17.0	03		1252		5												
TP-05-7.0	04		1325		5												
TP-05-12.0	05		1330		5												
TP-02-7.0	06		1350		5												
TP-02-11.0	07		1355		5												
TP-02-16.0	08		1400		5												
TP-03-2.0	09		1433		5												
TP-04-7.0	10		1450		5												

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Thomas Zeglis	FARALLON	6/16/22	1316
Received by:		Nham Phan	FBI	6/16/22	1316
Relinquished by:			Samples received at 4 °C		
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

206303

Report To Y. PEHLIVAN

Company FARALLON

Address

City, State, ZIP ON FILE

Phone Email

SAMPLERS (*signature*) 06-16-22

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

Page 1 of 2 — VS-A2 EDD — 3 (5R) 4/16

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
TP-04-12.0	11A-5	6-15-22	1455	Soil	5												
TP-04-17.0	12 7	"	1500	Soil	5												
	6-15-22																

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Kevin Briggs	FARALLON	6/16/22	1516
Received by:	Nhan Phan	FCBT	6/16/22	1316
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
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206303

SAMPLE CHAIN OF CUSTODY

06-16-22 VS-A2 EDY / EDY

Page # 3 of 3

Report To Y. PEHLIVAN

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											
UST-05-Product	13	6/16/22	930	Prod	1												HOLD ALL
FTP-23-7.0	14A-E		950	Soil	5												
FTP-23-12.0	15		955														
FTP-23-17.0	16		1000														
FTP-24-8.0	17		1015														
FTP-24-12.0	18		1018														
FTP-24-17.0	19		1023														
FTP-25-7.0	20		1050														
FTP-25-12.0	21		1055														
FTP-25-17.0	22		1100														

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		~~FARALLON~~ Kouas Evans	FARALLON	6/16/22	1316
Received by:		Nhan Phan	FEBT	6/16/22	1316
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
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fbi@isomedia.com
www.friedmanandbruya.com

June 23, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on June 16, 2022 from the Emerald Gateway 1071-026, F&BI 206303 project. There are 70 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0623R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 16, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 206303 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
206303 -01	FTP-18-7.0
206303 -02	FTP-18-12.0
206303 -03	FTP-18-17.0
206303 -04	FTP-22-7.0
206303 -05	FTP-22-12.0
206303 -06	FTP-19-7.0
206303 -07	FTP-19-11.0
206303 -08	FTP-19-16.0
206303 -09	FTP-20-2.0
206303 -10	FTP-21-7.0
206303 -11	FTP-21-12.0
206303 -12	FTP-21-17.0
206303 -13	UST-05-Product
206303 -14	FTP-23-7.0
206303 -15	FTP-23-12.0
206303 -16	FTP-23-17.0
206303 -17	FTP-24-8.0
206303 -18	FTP-24-12.0
206303 -19	FTP-24-17.0
206303 -20	FTP-25-7.0
206303 -21	FTP-25-12.0
206303 -22	FTP-25-17.0

An 8270E internal standard failed the acceptance criteria for samples FTP-18-12.0, FTP-19-11.0 and FTP-19-16.0. The samples were diluted and reanalyzed with acceptable results. Both data sets were reported.

The 8260D toluene concentrations were reported at 0.02 mg/kg due to elevated background.

The results for UST-05-Product were issued as a separate report.

All other quality control requirements were acceptable.

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303
Date Extracted: 06/17/22
Date Analyzed: 06/18/22 and 06/20/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
FTP-18-7.0 206303-01	<5	58
FTP-18-12.0 206303-02	25	91
FTP-18-17.0 206303-03	<5	97
FTP-22-12.0 206303-05	<5	98
FTP-19-7.0 206303-06	36	130
FTP-19-11.0 206303-07	48	123
FTP-19-16.0 206303-08	34	141
FTP-21-7.0 206303-10	<5	67
FTP-21-12.0 206303-11	<5	79
FTP-21-17.0 206303-12	<5	70
FTP-23-7.0 206303-14	<5	68

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303
Date Extracted: 06/17/22
Date Analyzed: 06/18/22 and 06/20/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
FTP-23-12.0 206303-15	<5	66
FTP-23-17.0 206303-16	<5	82
FTP-24-8.0 206303-17	<5	72
FTP-24-12.0 206303-18	<5	60
FTP-24-17.0 206303-19	<5	58
FTP-25-7.0 206303-20	<5	90
FTP-25-12.0 206303-21	<5	91
FTP-25-17.0 206303-22	<5	78
Method Blank 02-1164 MB	<5	61

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303
Date Extracted: 06/17/22
Date Analyzed: 06/17/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
FTP-18-7.0 206303-01	<50	<250	92
FTP-18-12.0 206303-02	1,900 x	13,000	92
FTP-18-17.0 206303-03	<50	<250	92
FTP-22-12.0 206303-05	<50	<250	91
FTP-19-7.0 206303-06	2,400 x	16,000	93
FTP-19-11.0 206303-07	330 x	3,800	92
FTP-19-16.0 206303-08	360 x	3,100	91
FTP-21-7.0 206303-10	<50	<250	92
FTP-21-12.0 206303-11	<50	<250	91
FTP-21-17.0 206303-12	<50	<250	93
FTP-23-7.0 206303-14	<50	<250	90

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303
Date Extracted: 06/17/22
Date Analyzed: 06/17/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
FTP-23-12.0 206303-15	<50	<250	91
FTP-23-17.0 206303-16	<50	<250	92
FTP-24-8.0 206303-17	<50	<250	91
FTP-24-12.0 206303-18	<50	<250	90
FTP-24-17.0 206303-19	<50	<250	86
FTP-25-7.0 206303-20	<50	<250	91
FTP-25-12.0 206303-21	<50	<250	96
FTP-25-17.0 206303-22	<50	<250	93
Method Blank 02-1450 MB	<50	<250	89

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-18-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-01 1/0.25
Date Analyzed:	06/17/22	Data File:	061728.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-18-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-02 1/0.25
Date Analyzed:	06/17/22	Data File:	061729.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	97	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-18-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-03 1/0.25
Date Analyzed:	06/17/22	Data File:	061730.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	84	120
Toluene-d8	95	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-22-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-05 1/0.25
Date Analyzed:	06/17/22	Data File:	061731.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	98	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-19-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-06 1/0.25
Date Analyzed:	06/17/22	Data File:	061732.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	96	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	0.0035
m,p-Xylene	0.0047
o-Xylene	0.012

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-19-11.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-07 1/0.25
Date Analyzed:	06/17/22	Data File:	061733.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	0.010
m,p-Xylene	0.015
o-Xylene	0.028

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-19-16.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-08 1/0.25
Date Analyzed:	06/17/22	Data File:	061734.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	0.0091
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	0.0074
Hexane	<0.25	o-Xylene	0.027
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	0.082
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	0.14
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	0.085
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-21-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-10 1/0.25
Date Analyzed:	06/17/22	Data File:	061735.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	84	120
Toluene-d8	94	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-21-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-11 1/0.25
Date Analyzed:	06/17/22	Data File:	061736.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	84	120
Toluene-d8	99	73	128
4-Bromofluorobenzene	106	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	0.0042
Hexane	<0.25	o-Xylene	0.0022
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-21-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-12 1/0.25
Date Analyzed:	06/17/22	Data File:	061737.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	84	120
Toluene-d8	95	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-23-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-14 1/0.25
Date Analyzed:	06/17/22	Data File:	061738.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	99	73	128
4-Bromofluorobenzene	104	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-23-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-15 1/0.25
Date Analyzed:	06/17/22	Data File:	061739.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	84	120
Toluene-d8	95	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-23-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-16 1/0.25
Date Analyzed:	06/17/22	Data File:	061740.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	84	120
Toluene-d8	90	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-24-8.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-17 1/0.25
Date Analyzed:	06/17/22	Data File:	061741.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	84	120
Toluene-d8	95	73	128
4-Bromofluorobenzene	104	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-24-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-18 1/0.25
Date Analyzed:	06/17/22	Data File:	061742.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	84	120
Toluene-d8	94	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-24-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-19 1/0.25
Date Analyzed:	06/17/22	Data File:	061743.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	94	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-25-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-20 1/0.25
Date Analyzed:	06/17/22	Data File:	061744.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	104	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-25-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-21 1/0.25
Date Analyzed:	06/17/22	Data File:	061745.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	97	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-25-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-22 1/0.25
Date Analyzed:	06/17/22	Data File:	061746.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.02
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	02-1426 mb2 1/0.25
Date Analyzed:	06/17/22	Data File:	061727.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	105	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.02	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-18-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-02
Date Analyzed:	06/17/22 12:31:25	Data File:	206303-02.053
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	51.4

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-18-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-03
Date Analyzed:	06/17/22 12:35:57	Data File:	206303-03.054
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	1.68

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-22-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-05
Date Analyzed:	06/17/22 12:40:30	Data File:	206303-05.055
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	6.03

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-19-11.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-07
Date Analyzed:	06/17/22 13:27:51	Data File:	206303-07.065
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	9.64

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-19-16.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-08
Date Analyzed:	06/17/22 13:41:30	Data File:	206303-08.068
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	2.67

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-21-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-10
Date Analyzed:	06/17/22 13:46:03	Data File:	206303-10.069
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	2.41

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-21-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-11
Date Analyzed:	06/17/22 14:36:10	Data File:	206303-11.080
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	2.56

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-23-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-15
Date Analyzed:	06/17/22 14:40:44	Data File:	206303-15.081
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	3.20

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-24-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-18
Date Analyzed:	06/17/22 15:08:07	Data File:	206303-18.087
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	5.49

Analysis For Total Metals By EPA Method 6020B

Client ID:	FTP-25-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-21
Date Analyzed:	06/17/22 15:12:40	Data File:	206303-21.088
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	8.10

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	I2-425 mb2
Date Analyzed:	06/17/22 12:26:52	Data File:	I2-425 mb2.052
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm) Dry Weight
Lead	<1

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-18-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-02 1/50
Date Analyzed:	06/18/22	Data File:	061723.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	57 d	24	111
Phenol-d6	77 d	37	116
Nitrobenzene-d5	84 d	38	117
2-Fluorobiphenyl	83 d	45	117
2,4,6-Tribromophenol	92 d	11	158
Terphenyl-d14	120 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
2-Methylnaphthalene	<0.1
1-Methylnaphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	0.13
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	0.21
Pyrene	0.54
Benz(a)anthracene	<0.1
Chrysene	0.26
Benzo(a)pyrene	<0.1 J
Benzo(b)fluoranthene	<0.1 J
Benzo(k)fluoranthene	<0.1 J
Indeno(1,2,3-cd)pyrene	<0.1 J
Dibenz(a,h)anthracene	<0.1 J
Benzo(g,h,i)perylene	<0.1 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-18-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-02 1/500
Date Analyzed:	06/21/22	Data File:	062112.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	53 d	24	111
Phenol-d6	73 d	37	116
Nitrobenzene-d5	130 d	38	117
2-Fluorobiphenyl	120 d	45	117
2,4,6-Tribromophenol	293 d	11	158
Terphenyl-d14	120 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<1
2-Methylnaphthalene	<1
1-Methylnaphthalene	<1
Acenaphthylene	<1
Acenaphthene	<1
Fluorene	<1
Phenanthrene	<1
Anthracene	<1
Fluoranthene	<1
Pyrene	<1
Benz(a)anthracene	<1
Chrysene	<1
Benzo(a)pyrene	<1
Benzo(b)fluoranthene	<1
Benzo(k)fluoranthene	<1
Indeno(1,2,3-cd)pyrene	<1
Dibenz(a,h)anthracene	<1
Benzo(g,h,i)perylene	<1

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-18-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-03
Date Analyzed:	06/17/22	Data File:	061711.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	65	24	111
Phenol-d6	86	37	116
Nitrobenzene-d5	81	38	117
2-Fluorobiphenyl	92	45	117
2,4,6-Tribromophenol	86	11	158
Terphenyl-d14	98	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-22-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-05
Date Analyzed:	06/17/22	Data File:	061712.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	60	24	111
Phenol-d6	76	37	116
Nitrobenzene-d5	77	38	117
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	82	11	158
Terphenyl-d14	95	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-19-11.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-07
Date Analyzed:	06/17/22	Data File:	061719.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	61	24	111
Phenol-d6	79	37	116
Nitrobenzene-d5	116	38	117
2-Fluorobiphenyl	83	45	117
2,4,6-Tribromophenol	86	11	158
Terphenyl-d14	208 ip J	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	0.022
1-Methylnaphthalene	0.045
Acenaphthylene	<0.002
Acenaphthene	0.031
Fluorene	0.073
Phenanthrene	0.012
Anthracene	0.027
Fluoranthene	0.059
Pyrene	0.57 J
Benz(a)anthracene	0.036 J
Chrysene	0.078 J
Benzo(a)pyrene	0.040 J
Benzo(b)fluoranthene	<0.002 J
Benzo(k)fluoranthene	<0.002 J
Indeno(1,2,3-cd)pyrene	0.013 J
Dibenz(a,h)anthracene	<0.002 J
Benzo(g,h,i)perylene	0.028 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-19-11.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-07 1/10
Date Analyzed:	06/18/22	Data File:	061724.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	54 d	24	111
Phenol-d6	70 d	37	116
Nitrobenzene-d5	121 d	38	117
2-Fluorobiphenyl	81 d	45	117
2,4,6-Tribromophenol	96 d	11	158
Terphenyl-d14	123 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.02
2-Methylnaphthalene	0.029
1-Methylnaphthalene	0.058
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	0.068
Phenanthrene	<0.02
Anthracene	0.027
Fluoranthene	0.096
Pyrene	0.29
Benz(a)anthracene	0.041
Chrysene	0.076
Benzo(a)pyrene	0.025 J
Benzo(b)fluoranthene	<0.02 J
Benzo(k)fluoranthene	<0.02 J
Indeno(1,2,3-cd)pyrene	<0.02 J
Dibenz(a,h)anthracene	<0.02 J
Benzo(g,h,i)perylene	0.020 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-19-11.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-07 1/100
Date Analyzed:	06/21/22	Data File:	062113.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	40 d	24	111
Phenol-d6	60 d	37	116
Nitrobenzene-d5	70 d	38	117
2-Fluorobiphenyl	90 d	45	117
2,4,6-Tribromophenol	260 d	11	158
Terphenyl-d14	70 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.2
Acenaphthene	<0.2
Fluorene	<0.2
Phenanthrene	<0.2
Anthracene	<0.2
Fluoranthene	<0.2
Pyrene	0.22
Benz(a)anthracene	<0.2
Chrysene	<0.2
Benzo(a)pyrene	<0.2
Benzo(b)fluoranthene	<0.2
Benzo(k)fluoranthene	<0.2
Indeno(1,2,3-cd)pyrene	<0.2
Dibenz(a,h)anthracene	<0.2
Benzo(g,h,i)perylene	<0.2

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-19-16.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-08
Date Analyzed:	06/17/22	Data File:	061718.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	62	24	111
Phenol-d6	74	37	116
Nitrobenzene-d5	132 ip	38	117
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	84	11	158
Terphenyl-d14	196 ip J	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	0.020
1-Methylnaphthalene	0.37
Acenaphthylene	<0.002
Acenaphthene	0.070
Fluorene	0.12
Phenanthrene	0.070
Anthracene	0.018
Fluoranthene	0.040
Pyrene	0.22 J
Benz(a)anthracene	0.016 J
Chrysene	0.027 J
Benzo(a)pyrene	0.024 J
Benzo(b)fluoranthene	<0.002 J
Benzo(k)fluoranthene	<0.002 J
Indeno(1,2,3-cd)pyrene	0.0057 J
Dibenz(a,h)anthracene	<0.002 J
Benzo(g,h,i)perylene	0.012 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-19-16.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-08 1/10
Date Analyzed:	06/21/22	Data File:	062114.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	59 d	24	111
Phenol-d6	71 d	37	116
Nitrobenzene-d5	70 d	38	117
2-Fluorobiphenyl	79 d	45	117
2,4,6-Tribromophenol	90 d	11	158
Terphenyl-d14	81 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.079
2-Methylnaphthalene	<0.02
1-Methylnaphthalene	0.38
Acenaphthylene	<0.02
Acenaphthene	0.069
Fluorene	0.11
Phenanthrene	0.069
Anthracene	<0.02
Fluoranthene	0.045
Pyrene	0.091
Benz(a)anthracene	<0.02
Chrysene	0.031
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.02

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-21-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-10
Date Analyzed:	06/17/22	Data File:	061713.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	58	24	111
Phenol-d6	76	37	116
Nitrobenzene-d5	78	38	117
2-Fluorobiphenyl	86	45	117
2,4,6-Tribromophenol	80	11	158
Terphenyl-d14	92	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	0.0025
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-21-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-11
Date Analyzed:	06/17/22	Data File:	061714.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	51	24	111
Phenol-d6	75	37	116
Nitrobenzene-d5	73	38	117
2-Fluorobiphenyl	86	45	117
2,4,6-Tribromophenol	90	11	158
Terphenyl-d14	106	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-23-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-15
Date Analyzed:	06/17/22	Data File:	061715.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	67	24	111
Phenol-d6	81	37	116
Nitrobenzene-d5	76	38	117
2-Fluorobiphenyl	85	45	117
2,4,6-Tribromophenol	82	11	158
Terphenyl-d14	93	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-24-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-18
Date Analyzed:	06/17/22	Data File:	061716.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	59	24	111
Phenol-d6	77	37	116
Nitrobenzene-d5	78	38	117
2-Fluorobiphenyl	85	45	117
2,4,6-Tribromophenol	89	11	158
Terphenyl-d14	93	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	FTP-25-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-21
Date Analyzed:	06/17/22	Data File:	061717.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	63	24	111
Phenol-d6	84	37	116
Nitrobenzene-d5	85	38	117
2-Fluorobiphenyl	90	45	117
2,4,6-Tribromophenol	87	11	158
Terphenyl-d14	93	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.0032
2-Methylnaphthalene	0.0027
1-Methylnaphthalene	0.0021
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	0.0047
Anthracene	<0.002
Fluoranthene	0.013
Pyrene	0.016
Benz(a)anthracene	0.0060
Chrysene	0.0097
Benzo(a)pyrene	0.0085
Benzo(b)fluoranthene	0.014
Benzo(k)fluoranthene	0.0039
Indeno(1,2,3-cd)pyrene	0.0066
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	0.0059

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	02-1447 mb
Date Analyzed:	06/17/22	Data File:	061710.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	67	24	111
Phenol-d6	85	37	116
Nitrobenzene-d5	88	38	117
2-Fluorobiphenyl	91	45	117
2,4,6-Tribromophenol	80	11	158
Terphenyl-d14	102	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-18-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-02 1/10
Date Analyzed:	06/17/22	Data File:	061717.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	70 d	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	0.049
Aroclor 1260	0.059
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-18-17.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-03
Date Analyzed:	06/17/22	Data File:	061706.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	55	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-22-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-05
Date Analyzed:	06/17/22	Data File:	061707.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	54	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-19-11.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-07
Date Analyzed:	06/17/22	Data File:	061708.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	48	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.027
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	0.016
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-19-16.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-08
Date Analyzed:	06/17/22	Data File:	061709.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	51	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.012
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	0.0066
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-21-7.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-10
Date Analyzed:	06/17/22	Data File:	061710.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	57	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	0.0066
Aroclor 1260	0.0038
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-21-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-11
Date Analyzed:	06/17/22	Data File:	061711.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	53	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-23-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-15
Date Analyzed:	06/17/22	Data File:	061714.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	62	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-24-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-18
Date Analyzed:	06/17/22	Data File:	061715.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	60	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-25-12.0	Client:	Farallon Consulting, LLC
Date Received:	06/16/22	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	206303-21
Date Analyzed:	06/17/22	Data File:	061716.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	62	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.0027
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	06/17/22	Lab ID:	02-1448 mb
Date Analyzed:	06/17/22	Data File:	061704.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	82	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 206303-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	130	71-131

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 206303-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	110	110	73-135	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	106	74-139

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 206303-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	17	17	10-142	0
Chloromethane	mg/kg (ppm)	1	<0.5	50	49	10-126	2
Vinyl chloride	mg/kg (ppm)	1	<0.05	51	52	10-138	2
Bromomethane	mg/kg (ppm)	1	<0.5	75	78	10-163	4
Chloroethane	mg/kg (ppm)	1	<0.5	70	70	10-176	0
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	57	59	10-176	3
Acetone	mg/kg (ppm)	5	<5	86	87	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	67	72	10-160	7
Hexane	mg/kg (ppm)	1	<0.25	52	54	10-137	4
Methylene chloride	mg/kg (ppm)	1	<0.5	59	68	10-156	14
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	78	82	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	74	76	14-137	3
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	74	77	19-140	4
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	101	103	10-158	2
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	81	85	25-135	5
Chloroform	mg/kg (ppm)	1	<0.05	61	67	21-145	9
2-Butanone (MEK)	mg/kg (ppm)	5	<1	84	88	19-147	5
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	76	79	12-160	4
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	78	82	10-156	5
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	71	75	17-140	5
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	75	80	9-164	6
Benzene	mg/kg (ppm)	1	<0.03	78	83	29-129	6
Trichloroethene	mg/kg (ppm)	1	<0.02	71	75	21-139	5
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	79	85	30-135	7
Bromodichloromethane	mg/kg (ppm)	1	<0.05	77	81	23-155	5
Dibromomethane	mg/kg (ppm)	1	<0.05	85	88	23-145	3
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	82	88	24-155	7
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	83	89	28-144	7
Toluene	mg/kg (ppm)	1	<0.02	79	86	35-130	8
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	82	86	26-149	5
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	84	87	10-205	4
2-Hexanone	mg/kg (ppm)	5	<0.5	85	89	15-166	5
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	80	84	31-137	5
Tetrachloroethene	mg/kg (ppm)	1	<0.025	79	85	20-133	7
Dibromochloromethane	mg/kg (ppm)	1	<0.05	85	88	28-150	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	82	87	28-142	6
Chlorobenzene	mg/kg (ppm)	1	<0.05	85	87	32-129	2
Ethylbenzene	mg/kg (ppm)	1	<0.05	81	84	32-137	4
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	84	86	31-143	2
m,p-Xylene	mg/kg (ppm)	2	<0.1	83	87	34-136	5
o-Xylene	mg/kg (ppm)	1	<0.05	81	85	33-134	5
Styrene	mg/kg (ppm)	1	<0.05	83	87	35-137	5
Isopropylbenzene	mg/kg (ppm)	1	<0.05	80	85	31-142	6
Bromoform	mg/kg (ppm)	1	<0.05	87	90	21-156	3
n-Propylbenzene	mg/kg (ppm)	1	<0.05	82	86	23-146	5
Bromobenzene	mg/kg (ppm)	1	<0.05	85	89	34-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	<0.05	80	84	18-149	5
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	94	100	28-140	6
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	83	88	25-144	6
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	82	87	31-134	6
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	82	86	31-136	5
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	84	88	30-137	5
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	<0.05	81	84	10-182	4
sec-Butylbenzene	mg/kg (ppm)	1	<0.05	82	85	23-145	4
p-Isopropyltoluene	mg/kg (ppm)	1	<0.05	84	88	21-149	5
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	85	87	30-131	2
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	85	88	29-129	3
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	84	88	31-132	5
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	78	82	11-161	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	83	86	22-142	4
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	88	93	10-142	6
Naphthalene	mg/kg (ppm)	1	<0.05	81	83	14-157	2
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	81	84	20-144	4

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	43	10-146
Chloromethane	mg/kg (ppm)	1	65	27-133
Vinyl chloride	mg/kg (ppm)	1	75	22-139
Bromomethane	mg/kg (ppm)	1	90	38-114
Chloroethane	mg/kg (ppm)	1	83	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	86	10-196
Acetone	mg/kg (ppm)	5	96	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	90	47-128
Hexane	mg/kg (ppm)	1	97	43-142
Methylene chloride	mg/kg (ppm)	1	93	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	87	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	91	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	88	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	120	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	91	72-127
Chloroform	mg/kg (ppm)	1	76	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	95	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	89	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	93	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	90	69-128
Carbon tetrachloride	mg/kg (ppm)	1	92	60-139
Benzene	mg/kg (ppm)	1	92	71-118
Trichloroethene	mg/kg (ppm)	1	85	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	94	72-127
Bromodichloromethane	mg/kg (ppm)	1	89	57-126
Dibromomethane	mg/kg (ppm)	1	96	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	96	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	97	67-122
Toluene	mg/kg (ppm)	1	92	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	93	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	98	64-115
2-Hexanone	mg/kg (ppm)	5	97	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	92	72-130
Tetrachloroethene	mg/kg (ppm)	1	92	72-114
Dibromochloromethane	mg/kg (ppm)	1	98	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	97	74-132
Chlorobenzene	mg/kg (ppm)	1	97	76-111
Ethylbenzene	mg/kg (ppm)	1	91	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	95	64-121
m,p-Xylene	mg/kg (ppm)	2	95	78-122
o-Xylene	mg/kg (ppm)	1	93	77-124
Styrene	mg/kg (ppm)	1	95	74-126
Isopropylbenzene	mg/kg (ppm)	1	93	76-127
Bromoform	mg/kg (ppm)	1	98	56-132
n-Propylbenzene	mg/kg (ppm)	1	98	74-124
Bromobenzene	mg/kg (ppm)	1	98	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	95	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	110	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	96	61-137
2-Chlorotoluene	mg/kg (ppm)	1	96	74-121
4-Chlorotoluene	mg/kg (ppm)	1	98	75-122
tert-Butylbenzene	mg/kg (ppm)	1	99	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	94	76-125
sec-Butylbenzene	mg/kg (ppm)	1	97	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	99	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	98	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	98	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	100	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	90	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	96	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	104	50-153
Naphthalene	mg/kg (ppm)	1	94	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	97	63-138

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 206303-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.002	69	72	34-118	4
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	75	79	29-130	5
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	75	79	37-119	5
Acenaphthylene	mg/kg (ppm)	0.83	<0.002	84	88	45-128	5
Acenaphthene	mg/kg (ppm)	0.83	<0.002	80	84	36-125	5
Fluorene	mg/kg (ppm)	0.83	<0.002	85	88	48-121	3
Phenanthrene	mg/kg (ppm)	0.83	<0.002	83	82	50-150	1
Anthracene	mg/kg (ppm)	0.83	<0.002	85	85	50-150	0
Fluoranthene	mg/kg (ppm)	0.83	<0.002	90	89	50-150	1
Pyrene	mg/kg (ppm)	0.83	<0.002	94	94	50-150	0
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.002	94	94	50-150	0
Chrysene	mg/kg (ppm)	0.83	<0.002	87	89	50-150	2
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.002	94	94	50-150	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.002	111	96	50-150	14
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.002	91	89	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.002	97	93	41-134	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.002	95	91	44-130	4
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.002	90	86	33-131	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	64	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	74	67-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	74	66-107
Acenaphthylene	mg/kg (ppm)	0.83	85	70-130
Acenaphthene	mg/kg (ppm)	0.83	82	66-112
Fluorene	mg/kg (ppm)	0.83	87	67-117
Phenanthrene	mg/kg (ppm)	0.83	86	70-130
Anthracene	mg/kg (ppm)	0.83	87	70-130
Fluoranthene	mg/kg (ppm)	0.83	95	70-130
Pyrene	mg/kg (ppm)	0.83	98	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	99	70-130
Chrysene	mg/kg (ppm)	0.83	95	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	100	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	98	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	110	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	111	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	107	64-127

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 206259-06 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	<5	93	92	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	96	80-120

Date of Report: 06/23/22
Date Received: 06/16/22
Project: Emerald Gateway 1071-026, F&BI 206303

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 206303-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.002	61	53	29-125	14
Aroclor 1260	mg/kg (ppm)	0.25	0.019	108	107	25-137	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	81	55-137
Aroclor 1260	mg/kg (ppm)	0.25	86	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

06-16-22

Page # 1 of 3

Report To J. Pelligan 206303

Company FARALLON

Address ~~PO Free~~

City, State, ZIP

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	MTBE NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Lead				Hold (PM 4/11 Notes Content)
FTP-8 ~~FP-01~~ - 7.0	01 A-B	6/15/22	1240	Soil	5	x	x	x									x - for YP
FTP-18 ~~FP-01~~ - 12.0	02		1245		5	x	x	x	~~x~~	x	x	x	x				9/6/17
FTP-18 ~~FP-01~~ - 17.0	03		1252		5	x	x			x	x	x	x				by 6/20
FTP-22 ~~FP-05~~ 7.0	04		1325		5												
FTP-22 ~~FP-05~~ - 12.0	05		1330		5	x	x			x	x	x	x				
FTP-9 ~~FP-02~~ - 7.0	06		1350		5	x	x	x									
FTP-9 ~~FP-02~~ - 11.0	07		1355		5	x	x			x	x	x	x				
FTP-9 ~~FP-02~~ - 16.0	08		1400		5	x	x	x		x	x	x	x				
P-20 ~~FP-03~~ - 2.0	09		1433		5												
P-21 ~~FP-04~~ - 7.0	10	↓	1450	↓	5	x	x			x	x	x	x				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Hours Zeats	FARALLON	6/16/22	1314
Received by:		Nhan Phan	FEBI	6/16/22	1316
Relinquished by:			Samples received at	4	°C
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY 6-16-22 Page 1 of 2

206303

Report To Y. PEHLIVAN

Company FARALLON

Address

City, State, ZIP ON FILE

Phone Email

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO # 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Lead	Notes
FTP-2						ANALYSES REQUESTED								
FP-04-12.0	11A5	6-15-22	1455	Soil	5	X	X			X	X	X	X	
FTP-2 FP-09-17.0	VA7	"	1500	Soil	5	X	X	X						
		6-15-22												

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Kevin Riggs	FARALLON	6/16/22	1516
Received by:		Nhan Phan	FEBE	6/16/22	1316
Relinquished by:					
Received by:					

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

206303

SAMPLE CHAIN OF CUSTODY

06-16-22 VSA2

Page # 3 of 3

Report To Y. Pehlivan

Company FARALLON

Address ON FILE

City, State, ZIP

Phone Email

SAMPLERS (signature) [signature]

PROJECT NAME: Emeryville Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021/8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	5 Leads	TOX	Water by KF		Notes
1/ST-05-Product	13	6/16/22	930	Prod	1	X	X		X	X	X	X	X	●	●		● per YP 6/23/22 ME Hold ALL
FTP-23-7.0	14A-E		950	Soil	5	X	X	X									
FTP-23-12.0	15		955			X	X		X	X	X	X	X				
FTP-23-17.0	16		1000			X	X	X									
FTP-24-8.0	17		1015			X	X	X									
FTP-24-12.0	18		1018			X	X		X	X	X	X	X				
FTP-24-17.0	19		1023			X	X	X									
FTP-25-7.0	20		1050			X	X	X									
FTP-25-12.0	21		1055			X	X		X	X	X	X	X				
FTP-25-17.0	22	↓	1100	↓		X	X	X	⊘								

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	FARALLON (GC) 4 Hours 2 TGAs	FARALLON	6/16/22	1316
Received by: [signature]	Nhan Phan	FEBT	6/16/22	1316
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

July 25, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on July 7, 2022 from the Emerald Gateway 1071-026, F&BI 207075 project. There are 7 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0725R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on July 7, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 207075 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
207075 -01	FTP-26-10.0
207075 -02	FTP-27-8.0
207075 -03	FTP-28-8.0
207075 -04	FTP-29-8.0
207075 -05	FTP-29-2.5
207075 -06	FTP-30-8.0
207075 -07	FTP-31-8.0
207075 -08	FTP-32-8.0

The samples FTP-29-8.0, FTP-29-2.5 and FTP-30-8.0 were passed through a #10 sieve. The fines were discarded and the larger aggregate material was rinsed with de-ionized water and the rinsed aggregate was used for extraction.

All quality control requirements were acceptable.

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-29-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/20/22	Lab ID:	207075-04 1/0.4
Date Analyzed:	07/21/22	Data File:	072112.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	119	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.0093
Aroclor 1248	<0.002
Aroclor 1254	0.017
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Note: Sample passed through #10 sieve, the fines were discarded and the aggregate was rinsed with DI water prior to extraction.

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-29-2.5	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/20/22	Lab ID:	207075-05 1/0.4
Date Analyzed:	07/21/22	Data File:	072113.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	125	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.014
Aroclor 1248	<0.002
Aroclor 1254	0.025
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Note: Sample passed through #10 sieve, the fines were discarded and the aggregate was rinsed with DI water prior to extraction

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-30-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/20/22	Lab ID:	207075-06 1/0.5
Date Analyzed:	07/21/22	Data File:	072114.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	115	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.010
Aroclor 1248	<0.002
Aroclor 1254	0.018
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Note: Sample passed through #10 sieve, the fines were discarded and the aggregate was rinsed with DI water prior to extraction

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	07/20/22	Lab ID:	02-1765 mb
Date Analyzed:	07/21/22	Data File:	072105.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	120	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 07/25/22
Date Received: 07/07/22
Project: Emerald Gateway 1071-026, F&BI 207075

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 207222-29 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.002	100	111	29-125	10
Aroclor 1260	mg/kg (ppm)	0.25	0.086	269 b	315 b	25-137	16 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	119	55-137
Aroclor 1260	mg/kg (ppm)	0.25	127	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

207075

SAMPLE CHAIN OF CUSTODY

7/7/22

D02 Page # _____ of _____

Report To Y. Pehlivan / P. Kingston
Company Farallon
Address 975 5th Ave NW
City, State, ZIP Issaquah WA 98027
Phone 425-606-7057 Email ypehlivan@farallonconsulting.com

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway
PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No
INVOICE TO

TURNAROUND TIME
☐ Standard turnaround
☒ RUSH 24 hr TAT
Rush charges authorized by: YP

SAMPLE DISPOSAL
☐ Archive samples
☐ Other _____
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	PCB/DI ANCS				Notes
						ANALYSES REQUESTED											Hold ALL
FTP-26-10.0	01	7/7/22	0820	S	1							X					
FTP-27-8.0	02		0830									X					X per YP
FTP-28-8.0	03		0845									X					7/7/22 ME
FTP-29-8.0	04		0900									X	✓				
FTP-29-2.5	05		0855									X	✓				✓ per YP
FTP-30-8.0	06		0910									X	✓				2/7/18
FTP-31-8.0	07		0925									X					3 DAY
FTP-32-8.0	08		0935									X					
																	Samples received at 20 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Yusuf Pehlivan	Farallon	7/7/22	1051
Received by:	Michael Erdahl	FF Bruya	7/7/22	1051
Relinquished by:				
Received by:		Samples received at 20 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

July 12, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

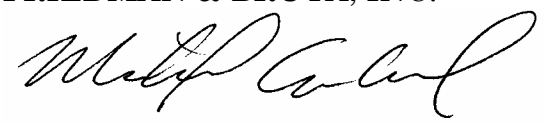
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on July 7, 2022 from the Emerald Gateway 1071-026, F&BI 207075 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Pete Kingston
FLN0712R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 7, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 207075 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
207075 -01	FTP-26-10.0
207075 -02	FTP-27-8.0
207075 -03	FTP-28-8.0
207075 -04	FTP-29-8.0
207075 -05	FTP-29-2.5
207075 -06	FTP-30-8.0
207075 -07	FTP-31-8.0
207075 -08	FTP-32-8.0

All quality control requirements were acceptable.

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-26-10.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-01
Date Analyzed:	07/08/22	Data File:	070806.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	63	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-27-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-02
Date Analyzed:	07/08/22	Data File:	070807.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	78	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-28-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-03
Date Analyzed:	07/08/22	Data File:	070808.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	44	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.032
Aroclor 1248	<0.002
Aroclor 1254	0.0055
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-29-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-04
Date Analyzed:	07/08/22	Data File:	070809.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	76	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.069
Aroclor 1248	<0.002
Aroclor 1254	0.17
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-29-2.5	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-05
Date Analyzed:	07/08/22	Data File:	070810.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	63	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.064
Aroclor 1248	<0.002
Aroclor 1254	0.11
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-30-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-06
Date Analyzed:	07/08/22	Data File:	070811.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	70	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	0.069
Aroclor 1248	<0.002
Aroclor 1254	0.10
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-31-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-07
Date Analyzed:	07/08/22	Data File:	070812.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	40	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-32-8.0	Client:	Farallon Consulting, LLC
Date Received:	07/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	207075-08
Date Analyzed:	07/08/22	Data File:	070813.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	71	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	07/06/22	Lab ID:	02-1600 mb
Date Analyzed:	07/08/22	Data File:	070804.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	53	23	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.002
Aroclor 1232	<0.002
Aroclor 1016	<0.002
Aroclor 1242	<0.002
Aroclor 1248	<0.002
Aroclor 1254	<0.002
Aroclor 1260	<0.002
Aroclor 1262	<0.002
Aroclor 1268	<0.002

Date of Report: 07/12/22
Date Received: 07/07/22
Project: Emerald Gateway 1071-026, F&BI 207075

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 207075-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.002	90	90	29-125	0
Aroclor 1260	mg/kg (ppm)	0.25	<0.002	97	96	25-137	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	86	55-137
Aroclor 1260	mg/kg (ppm)	0.25	105	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

207075

SAMPLE CHAIN OF CUSTODY

7/7/22

D02 Page # _____ of _____

Report To Y. Pehlivan / P. Kingston

Company Farallon

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 425-606-7057 Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr TAT

Rush charges authorized by: YP

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
																	~~Hold All~~
FTP-26-10.0	01	7/7/22	0820	S	1							X					
FTP-27-8.0	02		0830									X					X per YP
FTP-28-8.0	03		0845									X					7/7/22 ME
FTP-29-8.0	04		0900									X					
FTP-29-2.5	05		0855									X					
FTP-30-8.0	06		0910									X					
FTP-31-8.0	07		0925									X					
FTP-32-8.0	08		0935									X					
																	Samples received at 20 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Yusuf Pehlivan	Farallon	7/7/22	1051
~~Received by:~~	Michael Erdahl	FSBruya	7/7/22	1051
Relinquished by:				
Received by:		Samples received at 20 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

September 2, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on August 29, 2022 from the Emerald Gateway 1071-026, F&BI 208451 project. There are 23 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0902R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 29, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 208451 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
208451 -01	EX05-WSW-01-8.0
208451 -02	EX05-B-01-16
208451 -03	EX05-WSW-02-8.0
208451 -04	EX05-B-02-18.0
208451 -05	EX05-NSW-12.0
208451 -06	SP-01

All quality control requirements were acceptable.

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451
Date Extracted: 08/31/22
Date Analyzed: 08/31/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EX05-WSW-01-8.0 208451-01	<5	103
EX05-B-01-16 208451-02	<5	108
EX05-B-02-18.0 208451-04	<5	109
EX05-NSW-12.0 208451-05	<5	99
SP-01 208451-06	<5	105
Method Blank 02-1756 MB	<5	114

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451
Date Extracted: 08/30/22
Date Analyzed: 08/31/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
EX05-WSW-01-8.0 208451-01	<2.5	<12	78
EX05-B-01-16 208451-02	<2.5	<12	81
EX05-B-02-18.0 208451-04	53 x	430	87
EX05-NSW-12.0 208451-05	<2.5	<12	81
SP-01 208451-06	29 x	210	81
Method Blank 02-2059 MB	<2.5	<12	88

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX05-WSW-01-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-01 1/0.25
Date Analyzed:	08/30/22	Data File:	083009.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0078
Ethylbenzene	0.0069
m,p-Xylene	0.0044
o-Xylene	0.0025

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX05-B-01-16	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-02 1/0.25
Date Analyzed:	08/30/22	Data File:	083010.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	79	128
Toluene-d8	99	84	121
4-Bromofluorobenzene	99	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0093
Ethylbenzene	0.0043
m,p-Xylene	0.018
o-Xylene	0.0083

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX05-B-02-18.0	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-04 1/0.25
Date Analyzed:	08/30/22	Data File:	083011.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0025
Ethylbenzene	0.0011
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	EX05-NSW-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-05 1/0.25
Date Analyzed:	08/30/22	Data File:	083012.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	79	128
Toluene-d8	96	84	121
4-Bromofluorobenzene	97	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0029
Ethylbenzene	0.0013
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	SP-01	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-06 1/0.25
Date Analyzed:	08/30/22	Data File:	083013.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	103	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0052
Ethylbenzene	0.0051
m,p-Xylene	0.067
o-Xylene	0.048

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	02-1958 mb 1/0.25
Date Analyzed:	08/30/22	Data File:	083008.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	79	128
Toluene-d8	102	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.002
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-WSW-01-8.0	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-01
Date Analyzed:	08/30/22	Data File:	083009.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	72	10	198
2-Fluorobiphenyl	83	45	117
2,4,6-Tribromophenol	109	11	158
Terphenyl-d14	112	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-B-01-16	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-02
Date Analyzed:	08/30/22	Data File:	083010.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	67	10	198
2-Fluorobiphenyl	81	45	117
2,4,6-Tribromophenol	104	11	158
Terphenyl-d14	109	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-B-02-18.0	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-04 1/25
Date Analyzed:	08/31/22	Data File:	083022.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	63 d	10	198
2-Fluorobiphenyl	93 d	45	117
2,4,6-Tribromophenol	90 d	11	158
Terphenyl-d14	113 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Acenaphthylene	<0.05
Acenaphthene	<0.05
Fluorene	<0.05
Phenanthrene	0.084
Anthracene	<0.05
Fluoranthene	0.17
Pyrene	0.21
Benz(a)anthracene	0.083
Chrysene	0.11
Benzo(a)pyrene	0.11
Benzo(b)fluoranthene	0.12
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	0.058
Dibenz(a,h)anthracene	<0.05
Benzo(g,h,i)perylene	0.059

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-NSW-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-05
Date Analyzed:	08/31/22	Data File:	083124.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	68	16	137
2-Fluorobiphenyl	83	46	122
2,4,6-Tribromophenol	86	17	154
Terphenyl-d14	116	31	167

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	0.0076
Anthracene	<0.002
Fluoranthene	0.011
Pyrene	0.016
Benz(a)anthracene	0.0069
Chrysene	0.0082
Benzo(a)pyrene	0.0083 J
Benzo(b)fluoranthene	0.010 J
Benzo(k)fluoranthene	0.0037 J
Indeno(1,2,3-cd)pyrene	0.0034 J
Dibenz(a,h)anthracene	<0.002 J
Benzo(g,h,i)perylene	0.0037 J

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-NSW-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-05 1/5
Date Analyzed:	08/30/22	Data File:	083018.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	68 d	10	198
2-Fluorobiphenyl	80 d	45	117
2,4,6-Tribromophenol	98 d	11	158
Terphenyl-d14	113 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	0.011
Pyrene	0.013
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SP-01	Client:	Farallon Consulting, LLC
Date Received:	08/29/22	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	208451-06 1/25
Date Analyzed:	08/31/22	Data File:	083021.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	85 d	10	198
2-Fluorobiphenyl	90 d	45	117
2,4,6-Tribromophenol	35 d	11	158
Terphenyl-d14	125 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Acenaphthylene	<0.05
Acenaphthene	<0.05
Fluorene	<0.05
Phenanthrene	0.086
Anthracene	<0.05
Fluoranthene	0.12
Pyrene	0.17
Benz(a)anthracene	0.067
Chrysene	0.11
Benzo(a)pyrene	0.081
Benzo(b)fluoranthene	0.093
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05
Benzo(g,h,i)perylene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	1071-026, F&BI 208451
Date Extracted:	08/30/22	Lab ID:	02-2048 mb3
Date Analyzed:	08/30/22	Data File:	083008.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
2-Fluorobiphenyl	93	45	117
2,4,6-Tribromophenol	100	11	158
Terphenyl-d14	113	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 208311-17 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208451-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	250	<50	86	90	73-135	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	250	115	74-139

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208447-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	1	0.14	57	43	29-129	28 vo
Toluene	mg/kg (ppm)	1	1.7	59 b	15 b	35-130	119 b
Ethylbenzene	mg/kg (ppm)	1	1.1	55 b	25 b	32-137	75 b
m,p-Xylene	mg/kg (ppm)	2	5.5	60 b	3 b	34-136	181 b
o-Xylene	mg/kg (ppm)	1	2.4	58 b	6 b	33-134	162 b

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	1	88	71-118
Toluene	mg/kg (ppm)	1	91	66-126
Ethylbenzene	mg/kg (ppm)	1	91	64-123
m,p-Xylene	mg/kg (ppm)	2	90	78-122
o-Xylene	mg/kg (ppm)	1	90	77-124

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 208363-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	85	82	28-125	4
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	86	84	10-192	2
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	87	85	10-163	2
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	92	87	45-128	6
Acenaphthene	mg/kg (ppm)	0.83	<0.01	91	85	36-125	7
Fluorene	mg/kg (ppm)	0.83	<0.01	90	86	48-121	5
Phenanthrene	mg/kg (ppm)	0.83	0.013	93	91	50-150	2
Anthracene	mg/kg (ppm)	0.83	<0.01	93	93	50-150	0
Fluoranthene	mg/kg (ppm)	0.83	0.055	95	98	50-150	3
Pyrene	mg/kg (ppm)	0.83	0.092	98	100	40-134	2
Benz(a)anthracene	mg/kg (ppm)	0.83	0.032	99	100	50-150	1
Chrysene	mg/kg (ppm)	0.83	0.049	92	92	50-150	0
Benzo(a)pyrene	mg/kg (ppm)	0.83	0.075	104	102	50-150	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	0.081	108	108	50-150	0
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	0.022	106	101	50-150	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	0.070	98	96	41-134	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	97	92	44-130	5
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	0.085	90	88	33-131	2

Date of Report: 09/02/22
Date Received: 08/29/22
Project: Emerald Gateway 1071-026, F&BI 208451

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	83	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	86	67-109
1-Methylnaphthalene	mg/kg (ppm)	0.83	86	66-107
Acenaphthylene	mg/kg (ppm)	0.83	90	70-130
Acenaphthene	mg/kg (ppm)	0.83	88	66-112
Fluorene	mg/kg (ppm)	0.83	89	67-117
Phenanthrene	mg/kg (ppm)	0.83	89	70-130
Anthracene	mg/kg (ppm)	0.83	91	70-130
Fluoranthene	mg/kg (ppm)	0.83	94	70-130
Pyrene	mg/kg (ppm)	0.83	92	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	96	70-130
Chrysene	mg/kg (ppm)	0.83	94	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	96	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	97	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	97	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	92	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	94	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	86	64-127

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

208451

SAMPLE CHAIN OF CUSTODY 08-29-22

CO2/VSBA

Page # 1 of 1

Report To Yusuf Pehlivan

Company Furallon

Address 975, 5th Ave. NW

City, State, ZIP Issaquah, WA, 98027

Phone ~~425~~ 495 295 0800 Email ypehlivan@furallonconsulting.com

SAMPLERS (signature) Max-Henry Nilsen

PROJECT NAME: Emerald Gateway

PO#: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA ~~8021~~ 8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					X per YP ME Notes
EX05-WSW-01-8.0	01 A-F	8-29-2022	0840	S	5	X	X	X			X						~~Hold~~
EX05-B-01-16	02	8-29-2022	1147	S	5	X	X	X			X						~~Hold~~
EX05-WSW-02-8.0	03	8-29-2022	1418	S	5												~~Hold~~
EX05-B-02-18.0	04	8-29-2022	1434	S	5	X	X	X			X						~~Hold~~
EX05-NSW-12.0	05	8-29-2022	1439	S	5	X	X	X			X						~~Hold~~
SP-01	06	8-29-2022	1622	S	5	X	X	X			X						~~Hold~~

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nilsen	Max-Henry Nilsen	Furallon	8-29-22	1740
Received by:	BISRAT TADESSE	FBI	8/29/22	1740
Relinquished by:				
Received by:		Samples received at 6 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
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(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

September 7, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on August 31, 2022 from the Emerald Gateway 1071-026, F&BI 208505 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0907R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 31, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 208505 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
208505 -01	EX05-ESW-03-7.0
208505 -02	EX05-ESW-04-12.0
208505 -03	EX05-SSW-02-7.0
208505 -04	EX05-SSW-03-12.0

Naphthalene failed below the acceptance criteria in the 8270E matrix spike samples. The laboratory control samples met the acceptance criteria, therefore the data were likely due to sample matrix effect.

All other quality control requirements were acceptable.

Date of Report: 09/07/22
Date Received: 08/31/22
Project: Emerald Gateway 1071-026, F&BI 208505
Date Extracted: 09/02/22
Date Analyzed: 09/02/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
EX05-ESW-03-7.0 208505-01	<0.02	<0.02	<0.02	<0.06	<5	105
EX05-ESW-04-12.0 208505-02	<0.02	<0.02	<0.02	<0.06	<5	105
EX05-SSW-02-7.0 208505-03	<0.02	<0.02	<0.02	<0.06	<5	107
EX05-SSW-03-12.0 208505-04	<0.02	<0.02	<0.02	<0.06	<5	106
Method Blank 02-2070 MB	<0.02	<0.02	<0.02	<0.06	<5	112

Date of Report: 09/07/22
Date Received: 08/31/22
Project: Emerald Gateway 1071-026, F&BI 208505
Date Extracted: 09/01/21
Date Analyzed: 09/01/21

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
EX05-ESW-03-7.0 208505-01	<50	<250	105
EX05-ESW-04-12.0 208505-02	<50	<250	104
EX05-SSW-02-7.0 208505-03	<50	<250	94
EX05-SSW-03-12.0 208505-04	<50	<250	106
Method Blank 02-2068 MB	<50	<250	98

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-ESW-03-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/31/22	Project:	Emerald Gateway 1071-026
Date Extracted:	09/01/22	Lab ID:	208505-01
Date Analyzed:	09/01/22	Data File:	090123.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	73	10	198
2-Fluorobiphenyl	80	45	117
2,4,6-Tribromophenol	87	11	158
Terphenyl-d14	95	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	0.0022
Pyrene	0.0028
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	0.0025
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-ESW-04-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/31/22	Project:	Emerald Gateway 1071-026
Date Extracted:	09/01/22	Lab ID:	208505-02
Date Analyzed:	09/01/22	Data File:	090108.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	72	10	198
2-Fluorobiphenyl	78	45	117
2,4,6-Tribromophenol	85	11	158
Terphenyl-d14	91	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-SSW-02-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/31/22	Project:	Emerald Gateway 1071-026
Date Extracted:	09/01/22	Lab ID:	208505-03 1/10
Date Analyzed:	09/01/22	Data File:	090122.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	67 d	10	198
2-Fluorobiphenyl	76 d	45	117
2,4,6-Tribromophenol	69 d	11	158
Terphenyl-d14	96 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.02
2-Methylnaphthalene	<0.02
1-Methylnaphthalene	<0.02
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	0.029
Pyrene	0.044
Benz(a)anthracene	<0.02
Chrysene	0.023
Benzo(a)pyrene	0.022
Benzo(b)fluoranthene	0.025
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.02

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	EX05-SSW-03-12.0	Client:	Farallon Consulting, LLC
Date Received:	08/31/22	Project:	Emerald Gateway 1071-026
Date Extracted:	09/01/22	Lab ID:	208505-04
Date Analyzed:	09/01/22	Data File:	090107.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
2-Fluorobiphenyl	80	45	117
2,4,6-Tribromophenol	88	11	158
Terphenyl-d14	99	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	09/01/22	Lab ID:	02-2065 mb3
Date Analyzed:	09/01/22	Data File:	090105.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	66	10	198
2-Fluorobiphenyl	79	45	117
2,4,6-Tribromophenol	86	11	158
Terphenyl-d14	88	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Date of Report: 09/07/22
Date Received: 08/31/22
Project: Emerald Gateway 1071-026, F&BI 208505

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208505-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	117	66-121
Toluene	mg/kg (ppm)	0.5	120	72-128
Ethylbenzene	mg/kg (ppm)	0.5	117	69-132
Xylenes	mg/kg (ppm)	1.5	116	69-131
Gasoline	mg/kg (ppm)	20	115	61-153

Date of Report: 09/07/22
Date Received: 08/31/22
Project: Emerald Gateway 1071-026, F&BI 208505

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208497-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	1400	128	128	73-135	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	134	74-139

Date of Report: 09/07/22
Date Received: 08/31/22
Project: Emerald Gateway 1071-026, F&BI 208505

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 208473-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.002	36 vo	36 vo	50-150	0
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	50	50	50-150	0
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.002	52	52	50-150	0
Acenaphthylene	mg/kg (ppm)	0.83	<0.002	70	74	50-150	6
Acenaphthene	mg/kg (ppm)	0.83	<0.002	67	70	50-150	4
Fluorene	mg/kg (ppm)	0.83	<0.002	75	79	50-150	5
Phenanthrene	mg/kg (ppm)	0.83	<0.002	83	89	10-170	7
Anthracene	mg/kg (ppm)	0.83	<0.002	84	88	50-150	5
Fluoranthene	mg/kg (ppm)	0.83	<0.002	88	96	10-203	9
Pyrene	mg/kg (ppm)	0.83	<0.002	91	98	10-208	7
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.002	93	94	37-146	1
Chrysene	mg/kg (ppm)	0.83	<0.002	90	93	36-144	3
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.002	97	92	40-150	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.002	101	98	45-157	3
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.002	96	98	50-150	2
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.002	96	94	24-145	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.002	98	95	31-137	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.002	95	92	14-141	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	71	61-102
2-Methylnaphthalene	mg/kg (ppm)	0.83	71	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	71	62-108
Acenaphthylene	mg/kg (ppm)	0.83	86	61-111
Acenaphthene	mg/kg (ppm)	0.83	81	61-110
Fluorene	mg/kg (ppm)	0.83	89	62-114
Phenanthrene	mg/kg (ppm)	0.83	99	64-112
Anthracene	mg/kg (ppm)	0.83	98	63-111
Fluoranthene	mg/kg (ppm)	0.83	104	66-115
Pyrene	mg/kg (ppm)	0.83	109	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	103	64-116
Chrysene	mg/kg (ppm)	0.83	103	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	99	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	103	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	103	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	116	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	116	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	116	67-126

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

208505 Report To Yusuf Pehlivan

Company Farallon

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA, 98027

Phone 425-295-0800 Email ypehlivan@farallonconsulting.com

SAMPLERS (signature) Max Henry Nelson 8/31/22

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

Page # 1 of 1 COI/VSBI

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
EX05-ESW-03-7.0	01 A-E	8-31-2022	0721	S	5	X	X	X			X						
EX05-ESW-04-12.0	02	8-31-2022	0725	S	5	X	X	X			X						
EX05-ESW-02-7.0	03	8-31-2022	0735	S	5	X	X	X			X						
EX05-SSW-03-12.0	04	8-31-2022	0741	S	5	X	X	X			X						

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max Henry Nelson	Max Henry Nelson	Farallon	8-31-22	1626
Received by: W. Madden	W. Madden	F+B I	8/31/22	1626
Relinquished by:				
Received by:				

Samples received at 0 °C

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 27, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on October 20, 2022 from the Emerald Gateway 1071-026, F&BI 210296 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1027R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 20, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 210296 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
210296 -01	FMW-4-5.0
210296 -02	FMW-4-10.0
210296 -03	FMW-4-15.0
210296 -04	FMW-4-19.0

All quality control requirements were acceptable.

Date of Report: 10/27/22
Date Received: 10/20/22
Project: Emerald Gateway 1071-026, F&BI 210296
Date Extracted: 10/24/22
Date Analyzed: 10/24/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
FMW-4-10.0 210296-02	<5	120
Method Blank 02-2562 MB	<5	118

Date of Report: 10/27/22
Date Received: 10/20/22
Project: Emerald Gateway 1071-026, F&BI 210296
Date Extracted: 10/21/22
Date Analyzed: 10/21/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
FMW-4-10.0 210296-02	<50	<250	90
Method Blank 02-2590 mb	<50	<250	90

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FMW-4-10.0	Client:	Farallon Consulting, LLC
Date Received:	10/20/22	Project:	Emerald Gateway 1071-026
Date Extracted:	10/24/22	Lab ID:	210296-02 1/0.25
Date Analyzed:	10/24/22	Data File:	102409.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	10/24/22	Lab ID:	02-2493 mb 1/0.25
Date Analyzed:	10/24/22	Data File:	102408.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 10/27/22
Date Received: 10/20/22
Project: Emerald Gateway 1071-026, F&BI 210296

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 210296-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	98	71-131

Date of Report: 10/27/22
Date Received: 10/20/22
Project: Emerald Gateway 1071-026, F&BI 210296

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 210316-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	82	84	73-135	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	84	74-139

Date of Report: 10/27/22
Date Received: 10/20/22
Project: Emerald Gateway 1071-026, F&BI 210296

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 210320-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	1	<0.03	79	82	29-129	4
Toluene	mg/kg (ppm)	1	<0.05	87	93	35-130	7
Ethylbenzene	mg/kg (ppm)	1	<0.05	89	95	32-137	7
m,p-Xylene	mg/kg (ppm)	2	<0.1	88	94	34-136	7
o-Xylene	mg/kg (ppm)	1	<0.05	89	93	33-134	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	1	94	71-118
Toluene	mg/kg (ppm)	1	96	66-126
Ethylbenzene	mg/kg (ppm)	1	96	64-123
m,p-Xylene	mg/kg (ppm)	2	96	78-122
o-Xylene	mg/kg (ppm)	1	97	77-124

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY 10/20/22 CO1/VS-AS

210296

Page # 1 of 1

Report To Yusuf Pehlivan

Company Farallon

Address 975 5th Ave. NW,

City, State, ZIP Issaquah, WA 98027

Phone 425 295 0800 Email acosman@farallonconsulting.com

SAMPLERS (*signature*) [signature]

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA ~~8021~~ 8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes ● per YP 10/21/22 ME
FMW-4-5.0	01 A-E	10-20-22	1015	Soil	5												~~Hold all samples~~
FMW-4-10.0	02	"	1030	"	"	●	●	●									"
FMW-4-15.0	03	"	1040	"	"												"
FMW-4-[redacted]19.0	04	"	1045	"	"												"
			AO														

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Angie Osman	Farallon	10-20-22	
Received by: [signature]	ANH PHAN	F&B	10/20/22	15:21
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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www.friedmanandbruya.com

April 29, 2025

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included is the amended report from the testing of material submitted on October 24, 2022 from the Emerald Gateway 1071-026, F&BI 210344 project. Per your request, naphthalene was added to the report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1031R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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Vineta Mills, M.S.
Eric Young, B.S.

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Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 31, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on October 24, 2022 from the Emerald Gateway 1071-026, F&BI 210344 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1031R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 24, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 210344 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
210344 -01	FMW-4-102422

All quality control requirements were acceptable.

Date of Report: 10/31/22
Date Received: 10/24/22
Project: Emerald Gateway 1071-026, F&BI 210344
Date Extracted: 10/26/22
Date Analyzed: 10/26/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
FMW-4-102422 210344-01	<100	122
Method Blank 02-2566 MB	<100	92

Date of Report: 10/31/22
Date Received: 10/24/22
Project: Emerald Gateway 1071-026, F&BI 210344
Date Extracted: 10/25/22
Date Analyzed: 10/26/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
FMW-4-102422 210344-01	<50	<250	109
Method Blank 02-2602 MB	<50	<250	96

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	FMW-4-102422	Client:	Farallon Consulting, LLC
Date Received:	10/24/22	Project:	Emerald Gateway 1071-026
Date Extracted:	10/25/22	Lab ID:	210344-01
Date Analyzed:	10/25/22	Data File:	102513.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	89	78	126
Toluene-d8	94	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	10/25/22	Lab ID:	02-2497 mb
Date Analyzed:	10/25/22	Data File:	102507.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	104	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Naphthalene	<1

Date of Report: 10/31/22
Date Received: 10/24/22
Project: Emerald Gateway 1071-026, F&BI 210344

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 210384-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	180	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	119	69-134

Date of Report: 10/31/22
Date Received: 10/24/22
Project: Emerald Gateway 1071-026, F&BI 210344

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	80	88	63-142	10

Date of Report: 10/31/22
Date Received: 10/24/22
Project: Emerald Gateway 1071-026, F&BI 210344

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	ug/L (ppb)	10	94	92	70-130	2
Toluene	ug/L (ppb)	10	91	88	70-130	3
Ethylbenzene	ug/L (ppb)	10	89	87	70-130	2
m,p-Xylene	ug/L (ppb)	20	90	87	70-130	3
o-Xylene	ug/L (ppb)	10	87	84	70-130	4
Naphthalene	ug/L (ppb)	10	81	77	70-130	5

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

210344

SAMPLE CHAIN OF CUSTODY

10/24/22

VW2/ E03

Page # 1 of 1

Report To Yusuf Pehlivan

Company Farallon

Address 975 5th Ave NW Issaquah WA

City, State, ZIP 98027

Phone 425 295 0800 Email aosman@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA ~~8021~~ 8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Naphthalene				Notes
FMW-4-102422	01A-G	10-24-22	1228	H_2O	7	X	X	X					◆				~~Hold. Call PM for analysis~~
																	X per YP 10/25/22 ME
																	◆ per YP 4/18/25 ME

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Angie Osman	Angie Osman	FLN	10-24-22	1415
Received by:	ANH PHAN	F&B	10/24/22	14:15
Relinquished by:				
Received by:		Samples received at 4 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 15, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on November 10, 2022 from the Emerald Gateway 1071-026, F&BI 211166 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1115R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 10, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 211166 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
211166 -01	SST01-B
211166 -02	SST01-ESW
211166 -03	STP01-111022

All quality control requirements were acceptable.

Date of Report: 11/15/22
Date Received: 11/10/22
Project: Emerald Gateway 1071-026, F&BI 211166
Date Extracted: 11/11/22
Date Analyzed: 11/11/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING EPA METHOD NWTPH-Gx 8015M

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
SST01-B 211166-01	<5	99
STP01-111022 211166-03	<5	100
SST01-ESW 211166-02	<5	72
Method Blank 02-2712 MB	<5	87

Date of Report: 11/15/22
Date Received: 11/10/22
Project: Emerald Gateway 1071-026, F&BI 211166
Date Extracted: 11/11/22
Date Analyzed: 11/11/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SST01-B 211166-01	<50	<250	90
SST01-ESW 211166-02	130 x	1,100	94
STP01-111022 211166-03	710 x	4,900	98
Method Blank 02-2745 MB2	<50	<250	92

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	SST01-B	Client:	Farallon Consulting, LLC
Date Received:	11/10/22	Project:	Emerald Gateway 1071-026, F&BI 211166
Date Extracted:	11/11/22	Lab ID:	211166-01 1/0.25
Date Analyzed:	11/11/22	Data File:	111120.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	84	120
Toluene-d8	92	73	128
4-Bromofluorobenzene	97	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	SST01-ESW	Client:	Farallon Consulting, LLC
Date Received:	11/10/22	Project:	Emerald Gateway 1071-026, F&BI 211166
Date Extracted:	11/11/22	Lab ID:	211166-02 1/0.25
Date Analyzed:	11/11/22	Data File:	111121.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	85	84	120
Toluene-d8	91	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	0.0015
m,p-Xylene	0.0032
o-Xylene	0.0019

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP01-111022	Client:	Farallon Consulting, LLC
Date Received:	11/10/22	Project:	Emerald Gateway 1071-026, F&BI 211166
Date Extracted:	11/11/22	Lab ID:	211166-03 1/0.25
Date Analyzed:	11/11/22	Data File:	111122.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	84	120
Toluene-d8	101	73	128
4-Bromofluorobenzene	97	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 211166
Date Extracted:	11/11/22	Lab ID:	02-2750 mb 1/0.25
Date Analyzed:	11/11/22	Data File:	111108.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	84	120
Toluene-d8	100	73	128
4-Bromofluorobenzene	99	57	146

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 11/15/22
Date Received: 11/10/22
Project: Emerald Gateway 1071-026, F&BI 211166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 211166-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	100	70-130
Toluene	mg/kg (ppm)	0.5	100	70-130
Ethylbenzene	mg/kg (ppm)	0.5	100	70-130
Xylenes	mg/kg (ppm)	1.5	100	70-130
Gasoline	mg/kg (ppm)	20	105	70-130

Date of Report: 11/15/22
Date Received: 11/10/22
Project: Emerald Gateway 1071-026, F&BI 211166

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 211150-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	3,300	104	91	70-130	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	70-130

Date of Report: 11/15/22
Date Received: 11/10/22
Project: Emerald Gateway 1071-026, F&BI 211166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 211163-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	1.0	<0.03	60	59	15-129	2
Toluene	mg/kg (ppm)	1.0	<0.05	74	74	15-129	0
Ethylbenzene	mg/kg (ppm)	1.0	<0.05	73	75	23-133	3
m,p-Xylene	mg/kg (ppm)	2.0	<0.1	78	80	19-134	3
o-Xylene	mg/kg (ppm)	1.0	<0.05	80	81	20-132	1

Date of Report: 11/15/22
Date Received: 11/10/22
Project: Emerald Gateway 1071-026, F&BI 211166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	1.0	104	70-130
Toluene	mg/kg (ppm)	1.0	105	63-127
Ethylbenzene	mg/kg (ppm)	1.0	103	60-140
m,p-Xylene	mg/kg (ppm)	2.0	107	56-145
o-Xylene	mg/kg (ppm)	1.0	107	61-137

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

211166

SAMPLE CHAIN OF CUSTODY

11-10-22

BI/VSCL

Report To Yusuf Pehlivan

Company Furallon Consulting

Address 475 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 425 344 4415 Email ypehlivan@furallonconsulting.com

SAMPLERS (*signature*) Max-Henry Nelson

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

Page # _____ of _____

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8260 ~~8021~~	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											PID ppm
SSTO1-B	01A-E	11-10-22	1427	Soil	5	X	X	X									0.0
SSTO1-ESW	02	11-10-22	1438	Soil	5	X	X	X									2.8
STPO1-111022	03	11-10-22	1455	Soil	5	X	X	X									1.8
																	X per YP 11/10/22 ME

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nelson	Max-Henry Nelson	Furallon	11-10-22	1649
Received by:	VINH	FBI	11-10-22	1649
Relinquished by:				
Received by:	Samples received at 4 °C			

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 23, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on November 16, 2022 from the Emerald Gateway 1071-026, F&BI 211236 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1123R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 16, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 211236 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
211236 -01	SST01-WSW-3.0

The 8260D laboratory control sample exceeded the acceptance criteria for benzene. The compound was not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 11/23/22
Date Received: 11/16/22
Project: Emerald Gateway 1071-026, F&BI 211236
Date Extracted: 11/16/22
Date Analyzed: 11/16/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING EPA METHOD NWTPH-Gx 8015M

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
SST01-WSW-3.0 211236-01	<5	91
Method Blank 02-2719 MB	<5	97

Date of Report: 11/23/22
Date Received: 11/16/22
Project: Emerald Gateway 1071-026, F&BI 211236
Date Extracted: 11/17/22
Date Analyzed: 11/17/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SST01-WSW-3.0 211236-01	75 x	820	89
Method Blank 02-2797 MB2	<50	<250	92

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	SST01-WSW-3.0	Client:	Farallon Consulting, LLC
Date Received:	11/16/22	Project:	Emerald Gateway 1071-026, F&BI 211236
Date Extracted:	11/16/22	Lab ID:	211236-01
Date Analyzed:	11/16/22	Data File:	111624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	90	109
Toluene-d8	105	89	112
4-Bromofluorobenzene	96	84	115

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 211236
Date Extracted:	11/16/22	Lab ID:	02-2764 mb
Date Analyzed:	11/16/22	Data File:	111605.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	90	109
Toluene-d8	105	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SST01-WSW-3.0	Client:	Farallon Consulting, LLC
Date Received:	11/16/22	Project:	Emerald Gateway 1071-026, F&BI 211236
Date Extracted:	11/21/22	Lab ID:	211236-01 1/25
Date Analyzed:	11/21/22	Data File:	112108.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Terphenyl-d14	114 d	41	138

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.05
Chrysene	0.099
Benzo(a)pyrene	0.083
Benzo(b)fluoranthene	0.12
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026, F&BI 211236
Date Extracted:	11/21/22	Lab ID:	02-2811 mb 1/5
Date Analyzed:	11/21/22	Data File:	112109.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Terphenyl-d14	130	41	138

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Date of Report: 11/23/22
Date Received: 11/16/22
Project: Emerald Gateway 1071-026, F&BI 211236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 211236-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	105	70-130

Date of Report: 11/23/22
Date Received: 11/16/22
Project: Emerald Gateway 1071-026, F&BI 211236

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 211228-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	12000	37 b	1 b	70-130	200 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	84	70-130

Date of Report: 11/23/22
Date Received: 11/16/22
Project: Emerald Gateway 1071-026, F&BI 211236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 211220-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	1	<0.03	103	100	29-129	3
Toluene	mg/kg (ppm)	1	<0.05	96	93	35-130	3
Ethylbenzene	mg/kg (ppm)	1	<0.05	98	93	32-137	5
m,p-Xylene	mg/kg (ppm)	2	<0.1	99	95	34-136	4
o-Xylene	mg/kg (ppm)	1	<0.05	98	95	33-134	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	1	123 vo	71-118
Toluene	mg/kg (ppm)	1	117	66-126
Ethylbenzene	mg/kg (ppm)	1	116	64-123
m,p-Xylene	mg/kg (ppm)	2	118	78-122
o-Xylene	mg/kg (ppm)	1	120	77-124

Date of Report: 11/23/22
Date Received: 11/16/22
Project: Emerald Gateway 1071-026, F&BI 211236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 211297-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	100	103	50-150	3
Chrysene	mg/kg (ppm)	0.83	<0.01	93	96	50-150	3
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	95	100	50-150	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	98	103	50-150	5
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	96	100	50-150	4
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	83	96	41-134	15
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	84	99	44-130	16

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benz(a)anthracene	mg/kg (ppm)	0.83	104	70-130
Chrysene	mg/kg (ppm)	0.83	97	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	101	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	102	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	97	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	110	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	120	67-128

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

211236

SAMPLE CHAIN OF CUSTODY

11/16/22

BI/VSCI

Page # 1 of 1

Report To Yusuf Fehlman

Company Farallon

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA 98027

Phone 425-601-7051 Email yfehlman@farallonconsulting.com

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO # 1071-026

REMARKS

Project Specific RLs (Yes) / No

INVOICE TO

TURNAROUND TIME
Standard Turnaround
RUSH 1-day
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Archive Samples
Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021B/8260C	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082						Notes
SSTO1-WSW-3.0	01AE	11/16/22	1135	Soil	5	X	X	X		✓							1-pg 4P
																	2/1/17

Samples received at 13 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Yusuf Fehlman	Farallon	11/16/22	1205
Received by:	Eric Young	F-E-B	11/16/22	1205
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
5500 4th Avenue S
Seattle, WA 98108
Ph. (206) 285-8282

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 13, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on December 7, 2022 from the Emerald Gateway 1071-026, F&BI 212103 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1213R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 7, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 212103 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
212103 -01	SST01-B2-4.5
212103 -02	SST01-ESW02-2.5
212103 -03	SST01-NSW01-2.5
212103 -04	SST01-SSW01-2.5

All quality control requirements were acceptable.

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SST01-B2-4.5	Client:	Farallon Consulting, LLC
Date Received:	12/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	12/08/22	Lab ID:	212103-01 1/5
Date Analyzed:	12/08/22	Data File:	120810.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	69 ca	10	198
2-Fluorobiphenyl	86	45	117
2,4,6-Tribromophenol	70 ca	11	158
Terphenyl-d14	103	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SST01-ESW02-2.5	Client:	Farallon Consulting, LLC
Date Received:	12/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	12/08/22	Lab ID:	212103-02 1/5
Date Analyzed:	12/08/22	Data File:	120811.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	67 ca	10	198
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	68 ca	11	158
Terphenyl-d14	99	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SST01-NSW01-2.5	Client:	Farallon Consulting, LLC
Date Received:	12/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	12/08/22	Lab ID:	212103-03 1/5
Date Analyzed:	12/08/22	Data File:	120812.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	66 ca	10	198
2-Fluorobiphenyl	84	45	117
2,4,6-Tribromophenol	71 ca	11	158
Terphenyl-d14	100	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SST01-SSW01-2.5	Client:	Farallon Consulting, LLC
Date Received:	12/07/22	Project:	Emerald Gateway 1071-026
Date Extracted:	12/08/22	Lab ID:	212103-04 1/5
Date Analyzed:	12/08/22	Data File:	120813.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	61 ca	10	198
2-Fluorobiphenyl	80	45	117
2,4,6-Tribromophenol	70 ca	11	158
Terphenyl-d14	95	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	12/08/22	Lab ID:	02-2914 mb 1/5
Date Analyzed:	12/08/22	Data File:	120809.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	75 ca	10	198
2-Fluorobiphenyl	93	45	117
2,4,6-Tribromophenol	76 ca	11	158
Terphenyl-d14	111	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Date of Report: 12/13/22
Date Received: 12/07/22
Project: Emerald Gateway 1071-026, F&BI 212103

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 212103-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	83	83	28-125	0
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	90	88	10-192	2
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	91	89	10-163	2
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	91	89	45-128	2
Acenaphthene	mg/kg (ppm)	0.83	<0.01	90	88	36-125	2
Fluorene	mg/kg (ppm)	0.83	<0.01	93	91	48-121	2
Phenanthrene	mg/kg (ppm)	0.83	<0.01	90	90	50-150	0
Anthracene	mg/kg (ppm)	0.83	<0.01	87	88	50-150	1
Fluoranthene	mg/kg (ppm)	0.83	<0.01	93	91	50-150	2
Pyrene	mg/kg (ppm)	0.83	<0.01	91	91	40-134	0
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	90	91	50-150	1
Chrysene	mg/kg (ppm)	0.83	<0.01	97	96	50-150	1
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	90	90	50-150	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	88	85	50-150	3
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	91	91	50-150	0
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	93	93	41-134	0
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	92	94	44-130	2
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	90	91	33-131	1

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	87	58-108
2-Methylnaphthalene	mg/kg (ppm)	0.83	92	67-109
1-Methylnaphthalene	mg/kg (ppm)	0.83	94	66-107
Acenaphthylene	mg/kg (ppm)	0.83	94	70-130
Acenaphthene	mg/kg (ppm)	0.83	94	66-112
Fluorene	mg/kg (ppm)	0.83	94	67-117
Phenanthrene	mg/kg (ppm)	0.83	95	70-130
Anthracene	mg/kg (ppm)	0.83	92	70-130
Fluoranthene	mg/kg (ppm)	0.83	93	70-130
Pyrene	mg/kg (ppm)	0.83	95	70-130
Benz(a)anthracene	mg/kg (ppm)	0.83	96	70-130
Chrysene	mg/kg (ppm)	0.83	101	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	94	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	93	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	93	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	93	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	94	67-128
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	93	64-127

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY 12/07/22 G1

212103

Page # 1 of 1

Report To Yusuf Pehlivan, Farallon

Company Farallon

Address 975 5th Ave NW,

City, State, ZIP Issaquah, WA 98027

Phone 425-606-9051 Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project Specific RLs - Yes / No

INVOICE TO

TURNAROUND TIME

Standard Turnaround

RUSH 3-Day

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days

Archive Samples

Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082						Notes
SST01-B2-4.5	01	12/7/22	1410	S	1					X							
SST01-FSW02-2.5	02	"	1412	"	"					X							
SST01-NSW01-2.5	03	"	1415	"	"					X							
SST01-SSW01-2.5	04	"	1417	"	"					X							

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Yusuf Pehlivan	Farallon	12/7/22	1525
Received by:	ANH PHAN	FSB	12/07/22	15:25
Relinquished by:				
Received by:		Samples received at 13 °C		

Friedman & Bruya, Inc.
5500 4th Avenue S
Seattle, WA 98108
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 4, 2023

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included is the amended report from the testing of material submitted on March 14, 2023 from the Emerald Gateway 1071-026, F&BI 303217 project. Per your request, the sample IDs have been updated.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0316R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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March 16, 2023

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

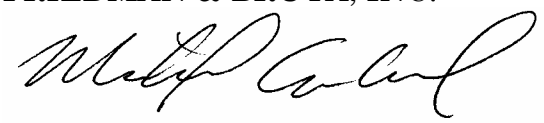
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on March 14, 2023 from the Emerald Gateway 1071-026, F&BI 303217 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0316R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 14, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 303217 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
303217 -01	SST03-W-6.0
303217 -02	SST03-W-9.0
303217 -03	SST03-E5.0
303217 -04	SST03-E9.0
303217 -05	STP-01-031423
303217 -06	STP-02-031423

The NWTPH-Gx surrogate exceeded the acceptance criteria. No material was detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 03/16/23
Date Received: 03/14/23
Project: Emerald Gateway 1071-026, F&BI 303217
Date Extracted: 03/15/23
Date Analyzed: 03/15/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
SST03-W-6.0 303217-01	<5	152 vo
SST03-E5.0 303217-03	<5	151 vo
STP-01-031423 303217-05	<5	151 vo
Method Blank 03-576 MB	<5	125

Date of Report: 03/16/23
Date Received: 03/14/23
Project: Emerald Gateway 1071-026, F&BI 303217
Date Extracted: 03/15/23
Date Analyzed: 03/15/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SST03-W-6.0 303217-01	76	<250	80
SST03-E5.0 303217-03	<50	<250	79
STP-01-031423 303217-05	<50	<250	77
Method Blank 03-604 MB2	<50	<250	80

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	SST03-W-6.0	Client:	Farallon Consulting, LLC
Date Received:	03/14/23	Project:	Emerald Gateway 1071-026
Date Extracted:	03/15/23	Lab ID:	303217-01
Date Analyzed:	03/15/23	Data File:	031510.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	90	109
Toluene-d8	101	89	112
4-Bromofluorobenzene	98	84	115

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	SST03-E5.0	Client:	Farallon Consulting, LLC
Date Received:	03/14/23	Project:	Emerald Gateway 1071-026
Date Extracted:	03/15/23	Lab ID:	303217-03
Date Analyzed:	03/15/23	Data File:	031506.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	90	109
Toluene-d8	102	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	STP-01-031423	Client:	Farallon Consulting, LLC
Date Received:	03/14/23	Project:	Emerald Gateway 1071-026
Date Extracted:	03/15/23	Lab ID:	303217-05
Date Analyzed:	03/15/23	Data File:	031511.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	90	109
Toluene-d8	101	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	03/15/23	Lab ID:	03-0552 mb
Date Analyzed:	03/15/23	Data File:	031505.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	90	109
Toluene-d8	100	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

Date of Report: 03/16/23
Date Received: 03/14/23
Project: Emerald Gateway 1071-026, F&BI 303217

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 303217-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 03/16/23
Date Received: 03/14/23
Project: Emerald Gateway 1071-026, F&BI 303217

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 303211-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	92	92	70-130	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	92	70-130

Date of Report: 03/16/23
Date Received: 03/14/23
Project: Emerald Gateway 1071-026, F&BI 303217

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 303217-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	80	82	29-129	2
Toluene	mg/kg (ppm)	2	<0.05	82	82	35-130	0
Ethylbenzene	mg/kg (ppm)	2	<0.05	87	86	32-137	1
m,p-Xylene	mg/kg (ppm)	4	<0.1	86	87	34-136	1
o-Xylene	mg/kg (ppm)	2	<0.05	89	89	33-134	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	93	71-118
Toluene	mg/kg (ppm)	2	89	66-126
Ethylbenzene	mg/kg (ppm)	2	92	64-123
m,p-Xylene	mg/kg (ppm)	4	92	78-122
o-Xylene	mg/kg (ppm)	2	94	77-124

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

303217

SAMPLE CHAIN OF CUSTODY 03/14/23 VS-C3/G3

Page # 1 of 1

Report To Yusuf Pehlivan

Company Farallon Consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA 98027

Phone _____ Email YPehlivan@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 1 Day
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8260D	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Hold					Notes
SST03-W ~~FTP-33-6.0~~	01 A-E	3/14/23	1250	Soil	5	X	X	X										
↓ ~~FTP-33-9.0~~	02		1255															
SST03-E ~~FTP-34-5.0~~	03		1300			X	X	X										
↓ ~~FTP-34-9.0~~	04		1305															
STP-01-031423	05		0955			X	X	X										
STP-02-031423	06		1000															
per YP 3/1/24 ME																		

Samples received at Ø °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		FLN	3/14/23	1403
Received by:	ANHPHAN	FSB	03/14/23	14:03
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Vineta Mills, M.S.
Eric Young, B.S.

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Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

April 1, 2025

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included is the amended report from the testing of material submitted on September 6, 2023 from the Emerald Gateway 1071-026, F&BI 309056 project. Per your request, sample ID Pond-02-01-4.0 has been updated to Pond-03-04-4.0.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0912R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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September 12, 2023

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on September 6, 2023 from the Emerald Gateway 1071-026, F&BI 309056 project. There are 25 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0912R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 6, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 309056 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
309056 -01	Pond-03-04-0.5
309056 -02	Pond-03-04-1.0
309056 -03	FTP-33-1.0
309056 -04	FTP-33-4.0
309056 -05	FTP-34-1.0
309056 -06	FTP-34-4.0
309056 -07	FTP-35-1.0
309056 -08	FTP-35-4.0
309056 -09	Pond-03-04-4.0
309056 -10	FTP-36-1.0
309056 -11	FTP-36-4.0

The 8260D calibration standard exceeded the acceptance criteria for several compounds. The compounds were detected, therefore this did not represent an out of control condition.

The 8082 PCB reporting limits for Aroclors 1242, 1248 and 1254 were raised in sample Pond-03-04-0.5 due to matrix interferents.

All quality control requirements were acceptable.

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056
Date Extracted: 09/07/23
Date Analyzed: 09/07/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Pond-03-04-0.5 309056-01 1/20	2,000	121
FTP-33-1.0 309056-03 1/10	880	117
FTP-33-4.0 309056-04	23	109
FTP-34-1.0 309056-05	24	107
FTP-35-1.0 309056-07	10	102
Pond-03-04-4.0 309056-09	10	106
FTP-36-1.0 309056-10	12	100
Method Blank 03-2076 MB	<5	122

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056
Date Extracted: 09/07/23
Date Analyzed: 09/07/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
Pond-03-04-0.5 309056-01	870 x	<250	88
FTP-33-1.0 309056-03	140 x	<250	85
FTP-33-4.0 309056-04	<50	<250	83
FTP-34-1.0 309056-05	<50	<250	81
FTP-35-1.0 309056-07	<50	<250	86
Pond-03-04-4.0 309056-09	<50	<250	87
FTP-36-1.0 309056-10	<50	<250	83
Method Blank 03-2111 MB2	<50	<250	81

Analysis For Total Metals By EPA Method 6020B

Client ID:	Pond-03-04-0.5	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-01 x5
Date Analyzed:	09/07/23	Data File:	309056-01 x5.053
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	184

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	I3-693 mb
Date Analyzed:	09/07/23	Data File:	I3-693 mb.048
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Pond-03-04-0.5	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-01 1/10
Date Analyzed:	09/07/23	Data File:	090718.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<5	1,3-Dichloropropane	<0.5
Chloromethane	<5	Tetrachloroethene	<0.25
Vinyl chloride	<0.5	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.5
Chloroethane	<5	Chlorobenzene	<0.5
Trichlorofluoromethane	<5	Ethylbenzene	15
Acetone	<50 k	1,1,1,2-Tetrachloroethane	<0.5
1,1-Dichloroethene	<0.5	m,p-Xylene	5.1
Hexane	5.0	o-Xylene	<0.5
Methylene chloride	<5	Styrene	<0.5
Methyl t-butyl ether (MTBE)	<0.5	Isopropylbenzene	2.8
trans-1,2-Dichloroethene	<0.5	Bromoform	<0.5
1,1-Dichloroethane	<0.5	n-Propylbenzene	11
2,2-Dichloropropane	<0.5 k	Bromobenzene	<0.5
cis-1,2-Dichloroethene	<0.5	1,3,5-Trimethylbenzene	14
Chloroform	<0.5	1,1,2,2-Tetrachloroethane	<0.5
2-Butanone (MEK)	<10 k	1,2,3-Trichloropropane	<0.5
1,2-Dichloroethane (EDC)	<0.5	2-Chlorotoluene	<0.5
1,1,1-Trichloroethane	<0.5	4-Chlorotoluene	<0.5
1,1-Dichloropropene	<0.5	tert-Butylbenzene	<0.5
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	9.5
Benzene	<0.03 j	sec-Butylbenzene	1.5
Trichloroethene	<0.2	p-Isopropyltoluene	0.96
1,2-Dichloropropane	<0.5	1,3-Dichlorobenzene	<0.5
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<0.5
Dibromomethane	<0.5	1,2-Dichlorobenzene	<0.5
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<5
cis-1,3-Dichloropropene	<0.5	1,2,4-Trichlorobenzene	<2.5
Toluene	<0.5	Hexachlorobutadiene	<2.5
trans-1,3-Dichloropropene	<0.5	Naphthalene	13
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<2.5
2-Hexanone	<5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	FTP-33-1.0	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-03 1/10
Date Analyzed:	09/07/23	Data File:	090717.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	79	128
Toluene-d8	100	84	121
4-Bromofluorobenzene	103	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03 j
Toluene	<0.5
Ethylbenzene	4.4
m,p-Xylene	<1
o-Xylene	<0.5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-33-4.0	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-04 1/0.5
Date Analyzed:	09/07/23	Data File:	090712.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	103	84	121
4-Bromofluorobenzene	106	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	0.036
Toluene	0.0012
Ethylbenzene	0.022
m,p-Xylene	0.0072
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-34-1.0	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-05 1/0.5
Date Analyzed:	09/07/23	Data File:	090713.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	103	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0019
Ethylbenzene	0.0065
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-35-1.0	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-07 1/0.5
Date Analyzed:	09/07/23	Data File:	090714.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	79	128
Toluene-d8	100	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Pond-03-04-4.0	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-09 1/0.5
Date Analyzed:	09/07/23	Data File:	090715.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	79	128
Toluene-d8	99	84	121
4-Bromofluorobenzene	105	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	0.011
Toluene	0.0014
Ethylbenzene	0.017
m,p-Xylene	0.0059
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-36-1.0	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-10 1/0.5
Date Analyzed:	09/07/23	Data File:	090716.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	0.0076
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	03-2099 mb 1/0.5
Date Analyzed:	09/07/23	Data File:	090710.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.002
Vinyl chloride	<0.002	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5 k	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.002	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.002	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05 k	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.002	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 k	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.002	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.01
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5 k		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Pond-03-04-0.5	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-01 1/25
Date Analyzed:	09/07/23	Data File:	090707.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Terphenyl-d14	102	50	124

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.05
Chrysene	<0.05
Benzo(a)pyrene	<0.05
Benzo(b)fluoranthene	<0.05
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	03-2112 mb 1/5
Date Analyzed:	09/07/23	Data File:	090706.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Terphenyl-d14	127 vo	50	124

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Pond-03-04-0.5	Client:	Farallon Consulting, LLC
Date Received:	09/06/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	309056-01 1/30
Date Analyzed:	09/07/23	Data File:	090706.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	80	11	162
Decachlorobiphenyl	94	11	152

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.05
Aroclor 1248	<0.05
Aroclor 1254	<0.05
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Note: The reporting limits for Aroclor 1242, 1248 and 1254 were raised due to matrix interferents.

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	09/07/23	Lab ID:	03-2113 mb 1/30
Date Analyzed:	09/07/23	Data File:	090704.D
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	89	11	162
Decachlorobiphenyl	111	11	152

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 309016-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<10	<10	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	100	70-130

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 309052-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	102	92	63-146	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	100	77-123

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 309056-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	108	65 b	113 b	75-125	54 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	98	80-120

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 309056-09 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2	<0.5	33	32	10-142	3
Chloromethane	mg/kg (ppm)	2	<0.5	76	74	10-126	3
Vinyl chloride	mg/kg (ppm)	2	<0.05	67	68	10-138	1
Bromomethane	mg/kg (ppm)	2	<0.5	74	80	10-163	8
Chloroethane	mg/kg (ppm)	2	<0.5	76	76	10-176	0
Trichlorofluoromethane	mg/kg (ppm)	2	<0.5	69	68	10-176	1
Acetone	mg/kg (ppm)	10	<5	40	52	10-163	26 vo
1,1-Dichloroethene	mg/kg (ppm)	2	<0.05	71	69	10-160	3
Hexane	mg/kg (ppm)	2	<0.25	70	68	10-137	3
Methylene chloride	mg/kg (ppm)	2	<0.5	72	72	10-156	0
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	<0.05	74	78	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2	<0.05	79	80	14-137	1
1,1-Dichloroethane	mg/kg (ppm)	2	<0.05	76	77	19-140	1
2,2-Dichloropropane	mg/kg (ppm)	2	<0.05	83	80	10-158	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2	<0.05	83	82	25-135	1
Chloroform	mg/kg (ppm)	2	<0.05	79	77	21-145	3
2-Butanone (MEK)	mg/kg (ppm)	10	<1	67	75	19-147	11
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	<0.05	75	79	12-160	5
1,1,1-Trichloroethane	mg/kg (ppm)	2	<0.05	85	81	10-156	5
1,1-Dichloropropene	mg/kg (ppm)	2	<0.05	81	77	17-140	5
Carbon tetrachloride	mg/kg (ppm)	2	<0.05	74	73	9-164	1
Benzene	mg/kg (ppm)	2	<0.03	80	78	29-129	3
Trichloroethene	mg/kg (ppm)	2	<0.02	82	81	21-139	1
1,2-Dichloropropane	mg/kg (ppm)	2	<0.05	82	82	30-135	0
Bromodichloromethane	mg/kg (ppm)	2	<0.05	85	84	23-155	1
Dibromomethane	mg/kg (ppm)	2	<0.05	76	84	23-145	10
4-Methyl-2-pentanone	mg/kg (ppm)	10	<1	74	77	24-155	4
cis-1,3-Dichloropropene	mg/kg (ppm)	2	<0.05	83	86	28-144	4
Toluene	mg/kg (ppm)	2	<0.05	80	77	35-130	4
trans-1,3-Dichloropropene	mg/kg (ppm)	2	<0.05	78	80	26-149	3
1,1,2-Trichloroethane	mg/kg (ppm)	2	<0.05	74	75	10-205	1
2-Hexanone	mg/kg (ppm)	10	<0.5	77	81	15-166	5
1,3-Dichloropropane	mg/kg (ppm)	2	<0.05	74	76	31-137	3
Tetrachloroethene	mg/kg (ppm)	2	<0.025	87	81	20-133	7
Dibromochloromethane	mg/kg (ppm)	2	<0.05	77	78	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	<0.05	74	75	28-142	1
Chlorobenzene	mg/kg (ppm)	2	<0.05	80	79	32-129	1
Ethylbenzene	mg/kg (ppm)	2	<0.05	78	74	32-137	5
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2	<0.05	74	76	31-143	3
m,p-Xylene	mg/kg (ppm)	4	<0.1	84	81	34-136	4
o-Xylene	mg/kg (ppm)	2	<0.05	79	76	33-134	4
Styrene	mg/kg (ppm)	2	<0.05	82	79	35-137	4
Isopropylbenzene	mg/kg (ppm)	2	0.057	78	76	31-142	3
Bromoform	mg/kg (ppm)	2	<0.05	77	76	21-156	1
n-Propylbenzene	mg/kg (ppm)	2	0.21	79	76	23-146	4
Bromobenzene	mg/kg (ppm)	2	<0.05	87	87	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	2	<0.05	80	79	18-149	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2	<0.05	78	79	28-140	1
1,2,3-Trichloropropane	mg/kg (ppm)	2	<0.05	75	74	25-144	1
2-Chlorotoluene	mg/kg (ppm)	2	<0.05	77	76	31-134	1
4-Chlorotoluene	mg/kg (ppm)	2	<0.05	78	78	31-136	0
tert-Butylbenzene	mg/kg (ppm)	2	<0.05	79	82	30-137	4
1,2,4-Trimethylbenzene	mg/kg (ppm)	2	<0.05	78	78	10-182	0
sec-Butylbenzene	mg/kg (ppm)	2	<0.05	81	76	23-145	6
p-Isopropyltoluene	mg/kg (ppm)	2	<0.05	80	78	21-149	3
1,3-Dichlorobenzene	mg/kg (ppm)	2	<0.05	82	81	30-131	1
1,4-Dichlorobenzene	mg/kg (ppm)	2	<0.05	84	81	29-129	4
1,2-Dichlorobenzene	mg/kg (ppm)	2	<0.05	76	79	31-132	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2	<0.5	65	69	11-161	6
1,2,4-Trichlorobenzene	mg/kg (ppm)	2	<0.25	79	78	22-142	1
Hexachlorobutadiene	mg/kg (ppm)	2	<0.25	84	79	10-142	6
Naphthalene	mg/kg (ppm)	2	<0.05	72	73	14-157	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2	<0.25	81	82	20-144	1

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2	61	10-146
Chloromethane	mg/kg (ppm)	2	94	27-133
Vinyl chloride	mg/kg (ppm)	2	93	22-139
Bromomethane	mg/kg (ppm)	2	87	10-201
Chloroethane	mg/kg (ppm)	2	96	10-163
Trichlorofluoromethane	mg/kg (ppm)	2	90	10-196
Acetone	mg/kg (ppm)	10	53	52-141
1,1-Dichloroethene	mg/kg (ppm)	2	87	47-128
Hexane	mg/kg (ppm)	2	102	43-142
Methylene chloride	mg/kg (ppm)	2	86	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	89	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2	98	64-132
1,1-Dichloroethane	mg/kg (ppm)	2	97	64-135
2,2-Dichloropropane	mg/kg (ppm)	2	101	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2	98	64-135
Chloroform	mg/kg (ppm)	2	96	61-139
2-Butanone (MEK)	mg/kg (ppm)	10	81	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	95	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2	104	62-131
1,1-Dichloropropene	mg/kg (ppm)	2	100	64-136
Carbon tetrachloride	mg/kg (ppm)	2	89	60-139
Benzene	mg/kg (ppm)	2	98	65-136
Trichloroethene	mg/kg (ppm)	2	100	63-139
1,2-Dichloropropane	mg/kg (ppm)	2	101	61-145
Bromodichloromethane	mg/kg (ppm)	2	103	57-126
Dibromomethane	mg/kg (ppm)	2	96	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	10	89	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2	102	65-143
Toluene	mg/kg (ppm)	2	98	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2	96	65-131
1,1,2-Trichloroethane	mg/kg (ppm)	2	94	62-131
2-Hexanone	mg/kg (ppm)	10	94	33-152
1,3-Dichloropropane	mg/kg (ppm)	2	92	67-128
Tetrachloroethene	mg/kg (ppm)	2	105	68-128
Dibromochloromethane	mg/kg (ppm)	2	92	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	87	66-129
Chlorobenzene	mg/kg (ppm)	2	97	67-128
Ethylbenzene	mg/kg (ppm)	2	94	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2	90	64-121
m,p-Xylene	mg/kg (ppm)	4	101	68-128
o-Xylene	mg/kg (ppm)	2	95	67-129
Styrene	mg/kg (ppm)	2	96	67-129
Isopropylbenzene	mg/kg (ppm)	2	94	68-128
Bromoform	mg/kg (ppm)	2	92	56-132
n-Propylbenzene	mg/kg (ppm)	2	99	68-129
Bromobenzene	mg/kg (ppm)	2	108	69-128
1,3,5-Trimethylbenzene	mg/kg (ppm)	2	102	69-129
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2	97	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2	92	61-137
2-Chlorotoluene	mg/kg (ppm)	2	98	69-128
4-Chlorotoluene	mg/kg (ppm)	2	100	67-127
tert-Butylbenzene	mg/kg (ppm)	2	102	69-129
1,2,4-Trimethylbenzene	mg/kg (ppm)	2	99	69-128
sec-Butylbenzene	mg/kg (ppm)	2	100	69-130
p-Isopropyltoluene	mg/kg (ppm)	2	101	69-130
1,3-Dichlorobenzene	mg/kg (ppm)	2	105	69-127
1,4-Dichlorobenzene	mg/kg (ppm)	2	107	68-126
1,2-Dichlorobenzene	mg/kg (ppm)	2	98	69-127
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2	81	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2	99	64-135
Hexachlorobutadiene	mg/kg (ppm)	2	103	50-153
Naphthalene	mg/kg (ppm)	2	88	62-128
1,2,3-Trichlorobenzene	mg/kg (ppm)	2	103	61-126

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 309033-04 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	97	95	37-146	2
Chrysene	mg/kg (ppm)	0.83	<0.01	94	95	36-144	1
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	93	94	40-150	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	94	96	45-157	2
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	93	94	50-150	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	86	74	24-145	15
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	88	77	31-137	13

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benz(a)anthracene	mg/kg (ppm)	0.83	103	64-116
Chrysene	mg/kg (ppm)	0.83	103	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	99	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	99	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	98	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	91	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	95	67-131

Date of Report: 09/12/23
Date Received: 09/06/23
Project: Emerald Gateway 1071-026, F&BI 309056

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 309056-01(Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	84	86	29-125	2
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	83	86	12-177	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	88	55-137
Aroclor 1260	mg/kg (ppm)	0.25	92	51-150

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

309056

SAMPLE CHAIN OF CUSTODY

09-06-23 VSA2/G2

Page # 1 of 2

Report To Yusuf Pehlivan

Company Farallon consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah WA

Phone _____ Email ypehlivan@farallonconsulting

SAMPLERS (signature)

PROJECT NAME: Emerald gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

ID updates per YP 03/31/25 ME

	Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8260	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270	PCBs EPA 8082	Lead				X per YP 9/6/23 ME Notes
	ANALYSES REQUESTED																	
1	Pond-~~02-01-0.5~~ 03-04-0.5	01 A-E	9/6/23	1322	Soil	5	X	X			X	X	X	X				~~Hold for PM~~
2	Pond-~~02-01-1.0~~ 03-04-1.0	02		1354														
3	FTP-33-1.0	03		1439			X	X	X									
4	FTP-33-4.0	04		1443			X	X	X									
5	FTP-34-1.0	05		1500			X	X	X									
6	FTP-34-4.0	06		1509														
7	FTP-35-1.0	07		1518			X	X	X									
8	FTP-35-4.0	08		1527														
9	Pond-~~02-01-4.0~~ 03-04-4.0	09		1535			X	X	X									
10	FTP-36-1.0	10		1543			X	X	X									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Max-Henry Nilson	Farallon	9/6/23	1814
Received by:	BISRAT TADESSE	FGI	9/6/23	1814
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

309056

SAMPLE CHAIN OF CUSTODY

09-06-23 VSA2/G2

Page # 2 of 2

Report To Yusuf Pehlivan

Company Farallon consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah WA

Phone _____ Email ypehlivan@farallonconsulting.com

SAMPLERS (signature)

PROJECT NAME: Emerald gateway

PO #: 1871-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: A P

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

							ANALYSES REQUESTED										
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
11 FTP-36-4.0	11A-E	9/6/23	1553	Soil	5												~~Hold for PM~~
													Samples received at 4 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Max-Henry Nilsen	Farallon	9/6/23	1814
Received by:	BISRAT TADESSE	FBI	9/6/23	1814
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

September 12, 2023

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on September 8, 2023 from the Emerald Gateway 1071-026, F&BI 309103 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0912R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 8, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 309103 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
309103 -01	FTP-37-1.0
309103 -02	FTP-37-4.0
309103 -03	FTP-38-1.0
309103 -04	FTP-38-4.0
309103 -05	FTP-39-1.0
309103 -06	FTP-39-4.0

All quality control requirements were acceptable.

Date of Report: 09/12/23
Date Received: 09/08/23
Project: Emerald Gateway 1071-026, F&BI 309103
Date Extracted: 09/08/23
Date Analyzed: 09/11/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
FTP-37-1.0 309103-01	<5	115
Method Blank 03-2078 MB	<5	98

Date of Report: 09/12/23
Date Received: 09/08/23
Project: Emerald Gateway 1071-026, F&BI 309103
Date Extracted: 09/08/23
Date Analyzed: 09/08/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
FTP-37-1.0 309103-01	<50	<250	78
Method Blank 03-2117 MB	<50	<250	84

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	FTP-37-1.0	Client:	Farallon Consulting, LLC
Date Received:	09/08/23	Project:	Emerald Gateway 1071-026
Date Extracted:	09/08/23	Lab ID:	309103-01 1/0.5
Date Analyzed:	09/08/23	Data File:	090844.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	97	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	09/08/23	Lab ID:	03-2102 mb 1/0.5
Date Analyzed:	09/08/23	Data File:	090829.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 09/12/23
Date Received: 09/08/23
Project: Emerald Gateway 1071-026, F&BI 309103

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 309059-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	105	70-130

Date of Report: 09/12/23
Date Received: 09/08/23
Project: Emerald Gateway 1071-026, F&BI 309103

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 309074-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	96	96	64-136	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	94	78-121

Date of Report: 09/12/23
Date Received: 09/08/23
Project: Emerald Gateway 1071-026, F&BI 309103

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 309033-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	95	96	29-129	1
Toluene	mg/kg (ppm)	2	<0.05	97	94	35-130	3
Ethylbenzene	mg/kg (ppm)	2	<0.05	93	90	32-137	3
m,p-Xylene	mg/kg (ppm)	4	<0.1	102	99	34-136	3
o-Xylene	mg/kg (ppm)	2	<0.05	98	92	33-134	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	96	65-136
Toluene	mg/kg (ppm)	2	99	66-126
Ethylbenzene	mg/kg (ppm)	2	95	64-123
m,p-Xylene	mg/kg (ppm)	4	99	68-128
o-Xylene	mg/kg (ppm)	2	98	67-129

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

309103

SAMPLE CHAIN OF CUSTODY

09/08/23 G3/VSA

Page # ____ of ____

Report To Yusuf Pehlivan

Company Farallon Consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA 98027

Phone (425) 295 0800 Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Emerabol Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 1 day
- Rush charges authorized by: Yusuf Pehlivan

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021 & 8260	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
FTP-37-1.0	01 A-E	9-8-23	1125	Soil	5	X	X	X									
FTP-37-4.0	02		1128														Hold. Contact PM for analysis
FTP-38-1.0	03		1110														
FTP-38-4.0	04		1115														
FTP-39-1.0	05		1055														
FTP-39-4.0	06		1100														

Samples received at 0 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Angie Osman	Farallon	9-8-23	1351
Received by:	Nhan Phan	FIBT	9/8/23	1357
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 9, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

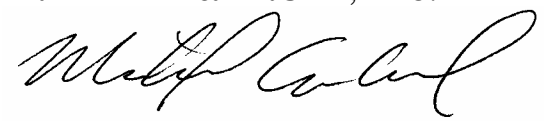
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on January 8, 2024 from the Emerald Gateway 1071-026, F&BI 401072 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0109R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 8, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 401072 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
401072 -01	FTP-40-7.0
401072 -02	FTP-40-10.0
401072 -03	FTP-41-6.0
401072 -04	FTP-41-9.0

All quality control requirements were acceptable.

Date of Report: 01/09/24
Date Received: 01/08/24
Project: Emerald Gateway 1071-026, F&BI 401072
Date Extracted: 01/08/24
Date Analyzed: 01/08/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
FTP-40-7.0 401072-01	<0.02	0.29	0.11	0.55	41	103
FTP-40-10.0 401072-02	<0.02	<0.02	<0.02	<0.06	<5	101
FTP-41-6.0 401072-03	<0.02	0.25	0.20	0.32	44	104
FTP-41-9.0 401072-04	<0.02	0.17	0.16	<0.06	41	98
Method Blank 04-0010 MB	<0.02	<0.02	<0.02	<0.06	<5	98

Date of Report: 01/09/24
Date Received: 01/08/24
Project: Emerald Gateway 1071-026, F&BI 401072
Date Extracted: 01/08/24
Date Analyzed: 01/08/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
FTP-40-7.0 401072-01	<50	<250	93
FTP-40-10.0 401072-02	<50	<250	102
FTP-41-6.0 401072-03	<50	<250	100
FTP-41-9.0 401072-04	<50	<250	101
Method Blank 04-0086 MB	<50	<250	94

Date of Report: 01/09/24
Date Received: 01/08/24
Project: Emerald Gateway 1071-026, F&BI 401072

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 401059-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	1.0	93	70-130
Toluene	mg/kg (ppm)	1.0	90	70-130
Ethylbenzene	mg/kg (ppm)	1.0	91	70-130
Xylenes	mg/kg (ppm)	3.0	90	70-130
Gasoline	mg/kg (ppm)	40	95	70-130

Date of Report: 01/09/24
Date Received: 01/08/24
Project: Emerald Gateway 1071-026, F&BI 401072

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 401065-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	94	104	64-136	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	86	78-121

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

401072

SAMPLE CHAIN OF CUSTODY 01/08/24 N2

Page # 1 of 1

Report To Yusuf Pehlivan

Company Furuhon Consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA, 98027

Phone 425 295 0800 Email ypehlivan@furuhonconsulting.com

SAMPLERS (signature) Max-Henry Nelson

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH Same day
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											
FTP-40-7.0	01 A-E	1/8/2024	845	Soil	5	X	X	X									
FTP-40-10.0	02		850														
FTP-41-6.0	03		915														
FTP-41-9.0	04		924														

Samples received at 0 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nelson	Max-Henry Nelson	Furuhon	1/8/24	
Received by:	ANHPHAN	FSB	01/08/24 (AP)	11:56
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 19, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

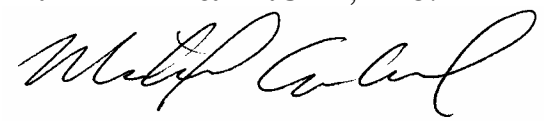
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on January 10, 2024 from the Emerald Gateway 1071-026, F&BI 401124 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 10, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 401124 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
401124 -01	FTP-45-2.5
401124 -02	FTP-45-8.0
401124 -03	FTP-44-2.5
401124 -04	FTP-44-8.0
401124 -05	FTP-43-2.5
401124 -06	FTP-43-8.0
401124 -07	FTP-42-2.5
401124 -08	FTP-42-8.0
401124 -09	FTP-48-8.0
401124 -10	FTP-47-8.0
401124 -11	FTP-46-8.0

All quality control requirements were acceptable.

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-48-8.0	Client:	Farallon Consulting, LLC
Date Received:	01/10/24	Project:	Emerald Gateway 1071-026
Date Extracted:	01/15/24	Lab ID:	401124-09 1/30
Date Analyzed:	01/16/24	Data File:	011606.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	AL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	122	11	184
Decachlorobiphenyl	88	25	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	0.17
Aroclor 1254	<0.08
Aroclor 1260	0.036
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-46-8.0	Client:	Farallon Consulting, LLC
Date Received:	01/10/24	Project:	Emerald Gateway 1071-026
Date Extracted:	01/15/24	Lab ID:	401124-11 1/30
Date Analyzed:	01/16/24	Data File:	011607.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	AL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	122	11	184
Decachlorobiphenyl	108	25	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.03
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	01/15/24	Lab ID:	04-0144 mb 1/30
Date Analyzed:	01/15/24	Data File:	011519.D
Matrix:	Soil	Instrument:	GC12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	95	41	139
Decachlorobiphenyl	97	48	145

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Date of Report: 01/19/24
Date Received: 01/10/24
Project: Emerald Gateway 1071-026, F&BI 401124

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 401142-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	98	90	50-150	9
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	101	98	50-150	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	97	70-130
Aroclor 1260	mg/kg (ppm)	0.25	104	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

401124

SAMPLE CHAIN OF CUSTODY

01/10/24 A2

Page # 1 of 2

Report To Yusuf Pehlivan

Company Farallon consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 425 295 0800 Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*) Max Henry Nelson

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
FTP-45-2.5	01	1/10/24	1220	Soil	1												X-24 hr TAT per YP 01/15/24 ME --Hold--
FTP-45-8.0	02		1236														
FTP-44-2.5	03		1315														
FTP-44-8.0	04		1318														
FTP-43-2.5	05		1358														
FTP-43-8.0	06		1356														
FTP-42-2.5	07		1424														
FTP-42-8.0	08		1428														
FTP-49-8.0	09		1449									X					
FTP-47-8.0	10		1534														

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max Henry Nelson	Max-Henry Nelson	Farallon Consulting	1/10/24	1714
Received by:	Isaac Lessig	FBI	1/10/24	17:14
Relinquished by:				
Received by:		Samples received at 0 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

401124

SAMPLE CHAIN OF CUSTODY

01/10/24

A2

Page # 2 of 2

Report To Yusuf Pehlivan

Company Furulion consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA, 98027

Phone 425 295 0800 Email ypehlivan@furulion-consulting.

SAMPLERS (*signature*)	
PROJECT NAME: Emerald Gateway	PO #: 1071-026
REMARKS: Project specific RLs? - Yes / No	INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											
FTP-46-8.0	11	1/10/24	1555	Soil	1							X					~~Hatz~~

Samples received at 0 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Max-Henry Nelson	Furulion	1/10/24	1714
Received by:	~~FBI~~ Isaac Lessley	FBI	1/10/24	17:14
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 19, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

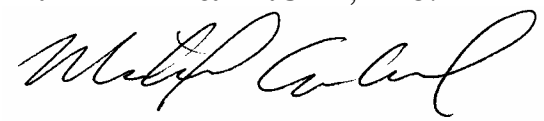
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on January 16, 2024 from the Emerald Gateway 1071-026, F&BI 401189 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 16, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 401189 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
401189 -01	FTP-50-8.0

All quality control requirements were acceptable.

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	FTP-50-8.0	Client:	Farallon Consulting, LLC
Date Received:	01/16/24	Project:	Emerald Gateway 1071-026
Date Extracted:	01/16/24	Lab ID:	401189-01 1/30
Date Analyzed:	01/16/24	Data File:	011609.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	AL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	116	11	184
Decachlorobiphenyl	89	25	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.025
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	01/16/24	Lab ID:	04-0144 mb2 1/30
Date Analyzed:	01/16/24	Data File:	011608.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	AL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	113	11	184
Decachlorobiphenyl	107	25	127

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Date of Report: 01/19/24
Date Received: 01/16/24
Project: Emerald Gateway 1071-026, F&BI 401189

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 401142-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	98	90	50-150	9
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	101	98	50-150	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	97	70-130
Aroclor 1260	mg/kg (ppm)	0.25	104	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY 01/16/24 A1

401189

Report To Yusuf Pehlivan

Company Farallon Consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 425 295 0800 Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*) Max Henry

PROJECT NAME: Emerald Gateway

PO #: 1071 - 026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH ASAP

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											
FTP-50-8.0	01	1/16/24	901	Soil	1							X					
~~FTP-51~~																	

Samples received at 10 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry	Max-Henry Wilson	Farallon	1/16/24	0915
Received by:	Yusuf Pehlivan	Farallon	1/16/24	0915
Relinquished by:	Yusuf Pehlivan	Farallon	1/16/24	0928
Received by:	ANH PHAN	FSH	01/16/24	09:28

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

March 15, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on March 13, 2024 from the Emerald Gateway 1071-026, F&BI 403194 project. There are 5 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0315R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 13, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 403194 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
403194 -01	STP-01-031324
403194 -02	STP-02-031324
403194 -03	STP-03-031324
403194 -04	STP-04-031324
403194 -05	STP-05-031324
403194 -06	STP-06-031324
403194 -07	STP-07-031324
403194 -08	STP-08-031324
403194 -09	STP-09-031324
403194 -10	STP-10-031324
403194 -11	STP-11-031324
403194 -12	STP-12-031324

All quality control requirements were acceptable.

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	STP-03-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-03
Date Analyzed:	03/15/24	Data File:	403194-03.044
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Lead	<1	5.0

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	I4-206 mb
Date Analyzed:	03/15/24	Data File:	I4-206 mb.042
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Lead	<1	5.0

Date of Report: 03/15/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL/SOLID SAMPLES FOR TCLP METALS USING EPA METHODS 6020B AND 1311

Laboratory Code: 403194-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/L (ppm)	1.0	<1	91	90	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/L (ppm)	1.0	92	80-120

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

403194

SAMPLE CHAIN OF CUSTODY

03/13/24

N3/G3

Page # 1 of 2

Report To Y. Pehlivan

Company Farallon Consulting

Address 1809 7th Ave, #1111

City, State, ZIP Seattle, WA

Phone _____ Email _____

SAMPLERS (signature)

PROJECT NAME	PO #
Emerald Gateway	1071-026
REMARKS ~~Hold for PH analysis request~~ Project specific RLs? - Yes / No	INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr TAT per YP 03/13/23 ME
- Rush charges authorized by: _____

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX by 8260D	pH	RCRA Metals	TCLP lead	Notes
STP-01-031324	01 A-E	3/13/24	0924	SO12	5	X	X						X	X	X		
STP-02-031324	02		0930			X	X						X	X	X		
STP-03-031324	03		0938			X	X						X	X	X	A	A-per YP 03/14/24 ME
STP-04-031324	04		0945			X	X						X	X	X		
STP-05-031324	05		0953			X	X						X	X	X		
STP-06-031324	06		1000			X	X						X	X	X		
STP-07-031324	07		1006			X	X						X	X	X		
STP-08-031324	08		1014			X	X						X	X	X		
STP-09-031324	09		1020			X	X						X	X	X		
STP-10-031324	10		1027			X	X						X	X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Glenn McKenney	FLW	3/13/24	1126
Received by:	Nhan Phan	FedEx	3/13/24	1126
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

403194

SAMPLE CHAIN OF CUSTODY 03/13/24 N3/G3

Page # 2 of 2

Report To Y. Pehlivan

Company Farallon Consulting

Address 1809 7th Ave, #1111

City, State, ZIP Seattle, WA

Phone _____ Email _____

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS ~~Hold for PAH analysis request~~

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr TAT per YP 03/13/23 ME

Rush charges authorized by: _____

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX by 8260	pH	RCRA metals		Notes
STP-11-031324	11 A-E	3/13/24	1034	SOIL	5	X	X						X	X	X		
STP-12-031324	12 ↓	↓	1040	↓	↓	X	X						X	X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Glenn McKenney	FLW	3/13/24	1126
Received by:	Nhan Phan	FBT	3/13/24	1126
Relinquished by:				
Received by:				

Samples received at 3 °C

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

March 14, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

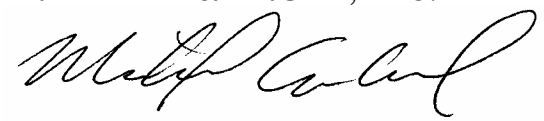
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on March 13, 2024 from the Emerald Gateway 1071-026, F&BI 403194 project. There are 41 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0314R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 13, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 403194 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
403194 -01	STP-01-031324
403194 -02	STP-02-031324
403194 -03	STP-03-031324
403194 -04	STP-04-031324
403194 -05	STP-05-031324
403194 -06	STP-06-031324
403194 -07	STP-07-031324
403194 -08	STP-08-031324
403194 -09	STP-09-031324
403194 -10	STP-10-031324
403194 -11	STP-11-031324
403194 -12	STP-12-031324

The pH result for samples STP-02-031324, STP-04-031324, and STP-08-031324 exceeded the test method acceptable range. The data were flagged accordingly.

The 6020B selenium calibration standard exceeded the acceptance criteria for several sample. The metal was not detected, therefore this did not represent an out of control condition.

All other quality control requirements were acceptable.

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194
Date Extracted: 03/14/24
Date Analyzed: 03/14/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
STP-01-031324 403194-01	<5	77
STP-02-031324 403194-02	<5	82
STP-03-031324 403194-03	<5	76
STP-04-031324 403194-04	<5	78
STP-05-031324 403194-05	<5	77
STP-06-031324 403194-06	<5	83
STP-07-031324 403194-07	<5	77
STP-08-031324 403194-08	<5	81
STP-09-031324 403194-09	<5	81
STP-10-031324 403194-10	<5	86
STP-11-031324 403194-11	<5	83

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194
Date Extracted: 03/14/24
Date Analyzed: 03/14/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
STP-12-031324 403194-12	<5	77
Method Blank 04-468 MB	<5	80

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194
Date Extracted: 03/13/24
Date Analyzed: 03/13/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
STP-01-031324 403194-01	<50	<250	90
STP-02-031324 403194-02	<50	730	92
STP-03-031324 403194-03	<50	<250	92
STP-04-031324 403194-04	<50	<250	90
STP-05-031324 403194-05	<50	710	91
STP-06-031324 403194-06	<50	350	91
STP-07-031324 403194-07	<50	<250	91
STP-08-031324 403194-08	<50	350	94
STP-09-031324 403194-09	<50	<250	86
STP-10-031324 403194-10	<50	340	92
STP-11-031324 403194-11	<50	<250	91

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194
Date Extracted: 03/13/24
Date Analyzed: 03/13/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
STP-12-031324 403194-12	<50	<250	94
Method Blank 04-591 MB	<50	<250	89

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194
Date Extracted: 03/13/24
Date Analyzed: 03/13/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH USING EPA METHOD 9045D

Sample ID Laboratory ID	pH
STP-01-031324 403194-01	8.4
STP-02-031324 403194-02	11 ve
STP-03-031324 403194-03	9.2
STP-04-031324 403194-04	11 ve
STP-05-031324 403194-05	8.2
STP-06-031324 403194-06	10
STP-07-031324 403194-07	10
STP-08-031324 403194-08	11 ve
STP-09-031324 403194-09	9.8
STP-10-031324 403194-10	8.6
STP-11-031324 403194-11	7.7

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194
Date Extracted: 03/13/24
Date Analyzed: 03/13/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH USING EPA METHOD 9045D

Sample ID Laboratory ID	pH
STP-12-031324 403194-12	8.6

ve - Due to the high pH of this sample, the result provided by this test method may be biased low.

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-01-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-01
Date Analyzed:	03/14/24	Data File:	403194-01.037
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.2
Barium	49
Cadmium	<1
Chromium	12
Lead	17
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-02-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-02
Date Analyzed:	03/14/24	Data File:	403194-02.040
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.6
Barium	88
Cadmium	<1
Chromium	14
Lead	60
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-03-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-03
Date Analyzed:	03/14/24	Data File:	403194-03.041
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	6.9
Barium	59
Cadmium	<1
Lead	120
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-03-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-03 x5
Date Analyzed:	03/14/24	Data File:	403194-03 x5.056
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Chromium	16

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-04-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-04
Date Analyzed:	03/14/24	Data File:	403194-04.042
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	6.2
Barium	63
Cadmium	<1
Chromium	13
Lead	7.2
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-05-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-05
Date Analyzed:	03/14/24	Data File:	403194-05.043
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.8
Barium	63
Cadmium	<1
Chromium	12
Lead	35
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-06-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-06
Date Analyzed:	03/14/24	Data File:	403194-06.044
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.2
Barium	67
Cadmium	<1
Chromium	14
Lead	28
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-07-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-07
Date Analyzed:	03/14/24	Data File:	403194-07.047
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	7.0
Barium	46
Cadmium	<1
Chromium	12
Lead	6.9
Mercury	<1
Selenium	<1 k
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-08-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-08
Date Analyzed:	03/14/24	Data File:	403194-08.048
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.5
Barium	77
Cadmium	<1
Chromium	12
Lead	37
Mercury	<1
Selenium	<1 k
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-09-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-09
Date Analyzed:	03/14/24	Data File:	403194-09.049
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.1
Barium	50
Cadmium	<1
Chromium	9.5
Lead	14
Mercury	<1
Selenium	<1 k
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-10-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-10
Date Analyzed:	03/14/24	Data File:	403194-10.050
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.7
Barium	58
Cadmium	<1
Chromium	13
Lead	10
Mercury	<1
Selenium	<1 k
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-11-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-11
Date Analyzed:	03/14/24	Data File:	403194-11.051
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.5
Barium	60
Cadmium	<1
Chromium	12
Lead	33
Mercury	<1
Selenium	<1 k
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-12-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-12
Date Analyzed:	03/14/24	Data File:	403194-12.052
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.6
Barium	45
Cadmium	<1
Lead	7.7
Mercury	<1
Selenium	<1 k
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-12-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	403194-12 x5
Date Analyzed:	03/14/24	Data File:	403194-12 x5.060
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Chromium	14

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Emerald Gateway 1071-026
Date Extracted:	03/14/24	Lab ID:	I4-202 mb
Date Analyzed:	03/14/24	Data File:	I4-202 mb.035
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-01-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-01 1/0.5
Date Analyzed:	03/13/24	Data File:	031339.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-02-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-02 1/0.5
Date Analyzed:	03/14/24	Data File:	031340.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	79	128
Toluene-d8	106	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-03-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-03 1/0.5
Date Analyzed:	03/14/24	Data File:	031341.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	100	84	121
4-Bromofluorobenzene	106	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-04-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-04 1/0.5
Date Analyzed:	03/14/24	Data File:	031342.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	96	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	0.0024
o-Xylene	0.0015

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-05-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-05 1/0.5
Date Analyzed:	03/14/24	Data File:	031343.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	99	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-06-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-06 1/0.5
Date Analyzed:	03/14/24	Data File:	031344.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	79	128
Toluene-d8	99	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-07-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-07 1/0.5
Date Analyzed:	03/14/24	Data File:	031345.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	79	128
Toluene-d8	102	84	121
4-Bromofluorobenzene	102	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0015
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	0.0012

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-08-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-08 1/0.5
Date Analyzed:	03/14/24	Data File:	031346.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	94	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	0.0013

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-09-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-09 1/0.5
Date Analyzed:	03/14/24	Data File:	031347.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	92	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-10-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-10 1/0.5
Date Analyzed:	03/14/24	Data File:	031348.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	97	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-11-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-11 1/0.5
Date Analyzed:	03/14/24	Data File:	031349.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	95	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	0.0058
Ethylbenzene	<0.001
m,p-Xylene	0.0023
o-Xylene	0.0014

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-12-031324	Client:	Farallon Consulting, LLC
Date Received:	03/13/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	403194-12 1/0.5
Date Analyzed:	03/14/24	Data File:	031350.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	79	128
Toluene-d8	101	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	03/13/24	Lab ID:	04-0518 mb 1/0.5
Date Analyzed:	03/13/24	Data File:	031310.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	99	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 403194-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	97	70-130

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 403194-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	130	89	87	64-136	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	78-121

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH BY METHOD 9045D

Laboratory Code: 403194-05

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
pH	8.2	8.2	0	0-20

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 403194-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	4.35	111 b	102 b	75-125	8 b
Barium	mg/kg (ppm)	50	41.1	101 b	100 b	75-125	1 b
Cadmium	mg/kg (ppm)	10	<1	94	96	75-125	2
Chromium	mg/kg (ppm)	50	10.0	85	85	75-125	0
Lead	mg/kg (ppm)	50	13.9	74 b	81 b	75-125	9 b
Mercury	mg/kg (ppm	5	<1	83	84	75-125	1
Selenium	mg/kg (ppm)	5	<1	97	102	75-125	5
Silver	mg/kg (ppm)	10	<1	93	95	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	103	80-120
Barium	mg/kg (ppm)	50	105	80-120
Cadmium	mg/kg (ppm)	10	98	80-120
Chromium	mg/kg (ppm)	50	103	80-120
Lead	mg/kg (ppm)	50	92	80-120
Mercury	mg/kg (ppm)	5	93	80-120
Selenium	mg/kg (ppm)	5	108	80-120
Silver	mg/kg (ppm)	10	96	80-120

Date of Report: 03/14/24
Date Received: 03/13/24
Project: Emerald Gateway 1071-026, F&BI 403194

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 403194-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	91	90	29-129	1
Toluene	mg/kg (ppm)	2	<0.05	85	82	35-130	4
Ethylbenzene	mg/kg (ppm)	2	<0.05	87	84	32-137	4
m,p-Xylene	mg/kg (ppm)	4	<0.1	87	83	34-136	5
o-Xylene	mg/kg (ppm)	2	<0.05	81	76	33-134	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	96	65-136
Toluene	mg/kg (ppm)	2	91	66-126
Ethylbenzene	mg/kg (ppm)	2	91	64-123
m,p-Xylene	mg/kg (ppm)	4	91	68-128
o-Xylene	mg/kg (ppm)	2	86	67-129

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

403194

SAMPLE CHAIN OF CUSTODY

03/13/24

N3/G3

Page # 1 of 2

Report To Y. Pehlivan

Company Farallon Consulting

Address 1809 7th Ave, #1111

City, State, ZIP Seattle, WA

Phone _____ Email _____

SAMPLERS (signature)

PROJECT NAME	PO #
Emerald Gateway	1071-026
REMARKS ~~Hold for PH analysis request~~ Project specific RLs? - Yes / No	INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr TAT per YP 03/13/23 ME

Rush charges authorized by: _____

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX by 8260D	pH	RCRA Metals		Notes
STP-01-031324	01 A-E	3/13/24	0924	SO12	5	X	X						X	X	X		
STP-02-031324	02		0930			X	X						X	X	X		
STP-03-031324	03		0938			X	X						X	X	X		
STP-04-031324	04		0945			X	X						X	X	X		
STP-05-031324	05		0953			X	X						X	X	X		
STP-06-031324	06		1000			X	X						X	X	X		
STP-07-031324	07		1006			X	X						X	X	X		
STP-08-031324	08		1014			X	X						X	X	X		
STP-09-031324	09		1020			X	X						X	X	X		
STP-10-031324	10		1027			X	X						X	X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Glenn McKenney	FLW	3/13/24	1126
Received by:	Nhan Phan	FEBI	3/13/24	1126
Relinquished by:				
Received by:				

Samples received at 3 °C

Friedman & Bruya, Inc.
Ph. (206) 285-8282

403194

SAMPLE CHAIN OF CUSTODY 03/13/24 N3/G3

Page # 2 of 2

Report To Y. Pehlivan

Company Farallon Consulting

Address 1809 7th Ave, #1111

City, State, ZIP Seattle, WA

Phone _____ Email _____

SAMPLERS (*signature*)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS ~~Hold for PAH analysis request~~

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr TAT per YP 03/13/23 ME

Rush charges authorized by: _____

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX by 8260	pH	RCRA metals		Notes
STP-11-031324	11 A-E	3/13/24	1034	SOIL	5	X	X						X	X	X		
STP-12-031324	12 ↓	↓	1040	↓	↓	X	X						X	X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Glenn McKenney	FLW	3/13/24	1126
Received by:	Nhan Phan	FBT	3/13/24	1126
Relinquished by:				
Received by:				

Samples received at 3 °C

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

April 1, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on March 26, 2024 from the Emerald Gateway 1071-026, F&BI 403382 project. There are 7 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0401R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 26, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 403382 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
403382 -01	PEG3-PL-01-032624
403382 -02	PEG3-PL-02-032624
403382 -03	PEG3-PL-03-032624
403382 -04	PEG3-PL-04-032624
403382 -05	PEG3-PL-05-032624
403382 -06	PEG3-PL-06-032624
403382 -07	PEG3-PL-07-032624
403382 -08	PEG3-PL-08-032624
403382 -09	PEG3-PL-09-032624
403382 -10	PEG3-PL-10-032624

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	PEG3-PL-01-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/29/24	Lab ID:	403382-01
Date Analyzed:	03/29/24	Data File:	403382-01.225
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	6.1
Barium	49
Cadmium	<1
Chromium	10
Lead	9.6
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	PEG3-PL-05-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/29/24	Lab ID:	403382-05
Date Analyzed:	03/29/24	Data File:	403382-05.137
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.7
Barium	51
Cadmium	<1
Chromium	10
Lead	15
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	PEG3-PL-08-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/29/24	Lab ID:	403382-08
Date Analyzed:	03/29/24	Data File:	403382-08.138
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	6.0
Barium	54
Cadmium	<1
Chromium	11
Lead	38
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	03/29/24	Lab ID:	I4-257 mb
Date Analyzed:	03/29/24	Data File:	I4-257 mb.132
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

Date of Report: 04/01/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 403382-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	5	5.26	71 b	92 b	75-125	26 b
Barium	mg/kg (ppm)	25	42.9	86 b	141 b	75-125	48 b
Cadmium	mg/kg (ppm)	5	<1	90	95	75-125	5
Chromium	mg/kg (ppm)	25	9.01	77	86	75-125	11
Lead	mg/kg (ppm)	25	8.38	77	88	75-125	13
Mercury	mg/kg (ppm	5	<1	85	89	75-125	5
Selenium	mg/kg (ppm)	2.5	<1	83	84	75-125	1
Silver	mg/kg (ppm)	5	<1	89	95	75-125	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	5	90	80-120
Barium	mg/kg (ppm)	25	98	80-120
Cadmium	mg/kg (ppm)	5	96	80-120
Chromium	mg/kg (ppm)	25	96	80-120
Lead	mg/kg (ppm)	25	91	80-120
Mercury	mg/kg (ppm)	5	95	80-120
Selenium	mg/kg (ppm)	2.5	91	80-120
Silver	mg/kg (ppm)	5	97	80-120

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

403382

SAMPLE CHAIN OF CUSTODY 03/26/24

N2/~~US~~ H2

Page # 1 of 1

Report To Yusuf Pehlivan

Company Farallon Consulting

Address 1809 7th Ave, # 1111

City, State, ZIP Seattle, WA

Phone _____ Email ypehlivan@farallonconsulting.com

SAMPLERS (signature)

PROJECT NAME	PO #
Emerald Gateway	1071-026
REMARKS ~~Hold for PH analysis request~~ Project specific RLs? - Yes / No	INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 3-day
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	BTEX ~~VOCs~~ EPA 8260	PAHs EPA 8270	PCBs EPA 8082	pH	RCRA Metals			Notes
PEG3-PL-01-032624	01 A-E	3/26/24	1030	SOIL	5	x	x			x			x	A			x-3-day per YP
PEG3-PL-02-032624	02		1037			x	x			x			x				03/26/24 ME
PEG3-PL-03-032624	03		1044			x	x			x			x				A-1-day TAT per YP 03/26/24 ME
PEG3-PL-04-032624	04		1050			x	x			x			x				
PEG3-PL-05-032624	05		1057			x	x			x			x	A			
PEG3-PL-06-032624	06		1103			x	x			x			x				
PEG3-PL-07-032624	07		1110			x	x			x			x				
PEG3-PL-08-032624	08		1115			x	x			x			x	A			
PEG3-PL-09-032624	09		1123			x	x			x			x				
PEG3-PL-10-032624	10		1129			x	x			x			x				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Glenn McKenney	FLN	3/26/24	1225
Received by:	Michael Edahl	F&B	3/26/24	1225
Relinquished by:		Samples received at 0 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

March 29, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

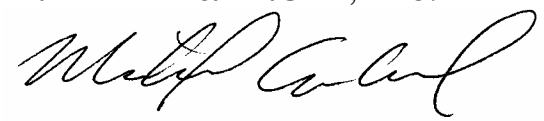
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on March 26, 2024 from the Emerald Gateway 1071-026, F&BI 403382 project. There are 20 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0329R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 26, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 403382 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
403382 -01	PEG3-PL-01-032624
403382 -02	PEG3-PL-02-032624
403382 -03	PEG3-PL-03-032624
403382 -04	PEG3-PL-04-032624
403382 -05	PEG3-PL-05-032624
403382 -06	PEG3-PL-06-032624
403382 -07	PEG3-PL-07-032624
403382 -08	PEG3-PL-08-032624
403382 -09	PEG3-PL-09-032624
403382 -10	PEG3-PL-10-032624

All quality control requirements were acceptable.

Date of Report: 03/29/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382
Date Extracted: 03/26/24
Date Analyzed: 03/27/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
PEG3-PL-01-032624 403382-01	<5	101
PEG3-PL-02-032624 403382-02	<5	101
PEG3-PL-03-032624 403382-03	<5	104
PEG3-PL-04-032624 403382-04	<5	98
PEG3-PL-05-032624 403382-05	<5	101
PEG3-PL-06-032624 403382-06	<5	99
PEG3-PL-07-032624 403382-07	<5	100
PEG3-PL-08-032624 403382-08	<5	94
PEG3-PL-09-032624 403382-09	<5	97
PEG3-PL-10-032624 403382-10	<5	103
Method Blank 04-620 MB	<5	103

Date of Report: 03/29/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382
Date Extracted: 03/27/24
Date Analyzed: 03/27/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
PEG3-PL-01-032624 403382-01	<50	<250	98
PEG3-PL-02-032624 403382-02	<50	<250	96
PEG3-PL-03-032624 403382-03	<50	<250	95
PEG3-PL-04-032624 403382-04	<50	<250	94
PEG3-PL-05-032624 403382-05	<50	<250	97
PEG3-PL-06-032624 403382-06	<50	350	91
PEG3-PL-07-032624 403382-07	<50	<250	94
PEG3-PL-08-032624 403382-08	<50	<250	92
PEG3-PL-09-032624 403382-09	<50	320	100
PEG3-PL-10-032624 403382-10	<50	<250	101
Method Blank 04-729 MB	<50	<250	101

Date of Report: 03/29/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382
Date Extracted: 03/27/24
Date Analyzed: 03/27/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH USING EPA METHOD 9045D

Sample ID Laboratory ID	pH
PEG3-PL-01-032624 403382-01	9.0
PEG3-PL-02-032624 403382-02	8.4
PEG3-PL-03-032624 403382-03	10 ve
PEG3-PL-04-032624 403382-04	10 ve
PEG3-PL-05-032624 403382-05	8.7
PEG3-PL-06-032624 403382-06	9.3
PEG3-PL-07-032624 403382-07	10 ve
PEG3-PL-08-032624 403382-08	9.0
PEG3-PL-09-032624 403382-09	8.8
PEG3-PL-10-032624 403382-10	11 ve

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-01-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-01 1/0.5
Date Analyzed:	03/27/24	Data File:	032708.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	103	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-02-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-02 1/0.5
Date Analyzed:	03/27/24	Data File:	032709.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	79	128
Toluene-d8	93	84	121
4-Bromofluorobenzene	104	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-03-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-03 1/0.5
Date Analyzed:	03/27/24	Data File:	032710.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	79	128
Toluene-d8	94	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-04-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-04 1/0.5
Date Analyzed:	03/27/24	Data File:	032711.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	79	128
Toluene-d8	94	84	121
4-Bromofluorobenzene	104	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-05-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-05 1/0.5
Date Analyzed:	03/27/24	Data File:	032712.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	106	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-06-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-06 1/0.5
Date Analyzed:	03/27/24	Data File:	032713.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	103	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	0.0028
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-07-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-07 1/0.5
Date Analyzed:	03/27/24	Data File:	032714.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	109	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-08-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-08 1/0.5
Date Analyzed:	03/27/24	Data File:	032715.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	79	128
Toluene-d8	100	84	121
4-Bromofluorobenzene	109	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-09-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-09 1/0.5
Date Analyzed:	03/27/24	Data File:	032716.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	96	84	121
4-Bromofluorobenzene	106	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	PEG3-PL-10-032624	Client:	Farallon Consulting, LLC
Date Received:	03/26/24	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	403382-10 1/0.5
Date Analyzed:	03/27/24	Data File:	032717.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	105	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	03/27/24	Lab ID:	04-0682 mb 1/0.5
Date Analyzed:	03/27/24	Data File:	032707.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	79	128
Toluene-d8	93	84	121
4-Bromofluorobenzene	101	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 03/29/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 403359-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	110	70-130

Date of Report: 03/29/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 403388-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	13,000	40 b	40 b	63-146	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	102	77-123

Date of Report: 03/29/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR pH BY METHOD 9045D

Laboratory Code: 403382-01

Analyte	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
pH	9.0	9.1	1	0-20

Date of Report: 03/29/24
Date Received: 03/26/24
Project: Emerald Gateway 1071-026, F&BI 403382

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 403382-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	94	85	29-129	10
Toluene	mg/kg (ppm)	2	<0.05	93	83	35-130	11
Ethylbenzene	mg/kg (ppm)	2	<0.05	93	83	32-137	11
m,p-Xylene	mg/kg (ppm)	4	<0.1	96	86	34-136	11
o-Xylene	mg/kg (ppm)	2	<0.05	96	84	33-134	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	94	65-136
Toluene	mg/kg (ppm)	2	91	66-126
Ethylbenzene	mg/kg (ppm)	2	91	64-123
m,p-Xylene	mg/kg (ppm)	4	92	68-128
o-Xylene	mg/kg (ppm)	2	93	67-129

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

403382

SAMPLE CHAIN OF CUSTODY 03/26/24

N2/ ~~US~~ H2

Page # 1 of 1

Report To Yusuf Pehlivan

Company Farallon Consulting

Address 1809 7th Ave, # 1111

City, State, ZIP Seattle, WA

Phone _____ Email ypehlivan@farallonconsulting.com

SAMPLERS (signature)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: ~~Hold for PH analysis request~~

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 3-day
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	BTEX ~~VOCs~~ EPA 8260	PAHs EPA 8270	PCBs EPA 8082	pH				Notes
PEG3-PL-01-032624	01 A-E	3/26/24	1030	SOIL	5	x	x			x			x				x-3-day per YP 03/26/24 ME
PEG3-PL-02-032624	02		1037			x	x			x			x				
PEG3-PL-03-032624	03		1044			x	x			x			x				
PEG3-PL-04-032624	04		1050			x	x			x			x				
PEG3-PL-05-032624	05		1057			x	x			x			x				
PEG3-PL-06-032624	06		1103			x	x			x			x				
PEG3-PL-07-032624	07		1110			x	x			x			x				
PEG3-PL-08-032624	08		1115			x	x			x			x				
PEG3-PL-09-032624	09		1123			x	x			x			x				
PEG3-PL-10-032624	10		1129			x	x			x			x				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Glenn McKenney	FLN	3/26/24	1225
Received by:	Michael Edahl	F&B	3/26/24	1225
Relinquished by:		Samples received at 0 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

April 29, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on April 17, 2024 from the Emerald Gateway 1071-026, F&BI 404263 project. There are 8 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0429R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 17, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 404263 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
404263 -01	SP-01-041724
404263 -02	WSW-02-3.0
404263 -03	WSW-03-4.0

Mercury in the 6020B matrix spike duplicate did not meet the acceptance criteria. The laboratory control sample passed the acceptance criteria, therefore the results were due to matrix effect.

All other quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	SP-01-041724	Client:	Farallon Consulting, LLC
Date Received:	04/17/24	Project:	Emerald Gateway 1071-026
Date Extracted:	04/24/24	Lab ID:	404263-01
Date Analyzed:	04/24/24	Data File:	404263-01.071
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	7.2
Barium	94
Cadmium	<1
Chromium	15
Lead	67
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	04/24/24	Lab ID:	I4-324 mb2
Date Analyzed:	04/24/24	Data File:	I4-324 mb2.042
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	SP-01-041724	Client:	Farallon Consulting, LLC
Date Received:	04/17/24	Project:	Emerald Gateway 1071-026
Date Extracted:	04/24/24	Lab ID:	404263-01 1/30
Date Analyzed:	04/24/24	Data File:	042428.D
Matrix:	Soil	Instrument:	GC12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	88	41	139
Decachlorobiphenyl	82	48	145

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	0.11
Aroclor 1260	0.046
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	04/24/24	Lab ID:	04-1008 mb 1/30
Date Analyzed:	04/24/24	Data File:	042415.D
Matrix:	Soil	Instrument:	GC12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	97	41	139
Decachlorobiphenyl	100	48	145

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Date of Report: 04/29/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 404337-03 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	97	112	75-125	14
Barium	mg/kg (ppm)	50	60.4	81 b	147 b	75-125	58 b
Cadmium	mg/kg (ppm)	10	<5	105	114	75-125	8
Chromium	mg/kg (ppm)	50	15.2	93 b	111 b	75-125	18 b
Lead	mg/kg (ppm)	50	5.50	105	116	75-125	10
Mercury	mg/kg (ppm	5	<5	122	133 vo	75-125	9
Selenium	mg/kg (ppm)	5	<5	106	110	75-125	4
Silver	mg/kg (ppm)	10	<5	83	92	75-125	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	95	80-120
Barium	mg/kg (ppm)	50	91	80-120
Cadmium	mg/kg (ppm)	10	95	80-120
Chromium	mg/kg (ppm)	50	97	80-120
Lead	mg/kg (ppm)	50	102	80-120
Mercury	mg/kg (ppm)	5	115	80-120
Selenium	mg/kg (ppm)	5	100	80-120
Silver	mg/kg (ppm)	10	88	80-120

Date of Report: 04/29/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 404337-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	99	107	50-150	8
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	96	104	50-150	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	104	50-138
Aroclor 1260	mg/kg (ppm)	0.25	104	54-146

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

404263

SAMPLE CHAIN OF CUSTODY

04/17/24 A3/VSA1

Report To Yusuf Pehlivan
Company Farallon Consulting
Address ~~PO~~ for 975 5th Ave NW
City, State, ZIP Issaquah WA
Phone _____ Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*) Courtney van Stolk

PROJECT NAME: Emerald Gateway
PO #: 1071-026

REMARKS
Project specific RLs? - Yes / (No)

INVOICE TO: accounts payable

Page # _____ of _____

TURNAROUND TIME
☐ Standard turnaround
☑ RUSH 24 hr
Rush charges authorized by: Y Pehlivan

SAMPLE DISPOSAL
☐ Archive samples
☐ Other _____
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D	RCRA Metals			Notes
						ANALYSES REQUESTED											
SP-01-041724	01 A-E	4-17-24	0900	soil	5	X	X					◇	X	◇			◇ 3-day TAT per YP 04/24/24 ME
WSW-02-3.0	02	↓	0912	↓	↓	X	X						X				
WSW-03-4.0	03	↓	0915	↓	↓	X	X						X				
								Samples received at Ø °C									

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Courtney van Stolk	Courtney van Stolk	Farallon	4-17-24	10:53
Received by:	ANHPHAN	F&B	04/17/24	10:53
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

May 6, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on April 17, 2024 from the Emerald Gateway 1071-026, F&BI 404263 project. There are 5 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0506R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 17, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 404263 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
404263 -01	SP-01-041724
404263 -02	WSW-02-3.0
404263 -03	WSW-03-4.0

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	SP-01-041724	Client:	Farallon Consulting, LLC
Date Received:	04/17/24	Project:	Emerald Gateway 1071-026
Date Extracted:	04/24/24	Lab ID:	404263-01
Date Analyzed:	04/24/24	Data File:	404263-01.071
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Copper	28
Nickel	13
Zinc	95

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	04/24/24	Lab ID:	I4-324 mb2
Date Analyzed:	04/24/24	Data File:	I4-324 mb2.042
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Copper	<5
Nickel	<1
Zinc	<5

Date of Report: 05/06/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 404337-03 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Copper	mg/kg (ppm)	50	<25	95	114	75-125	18
Nickel	mg/kg (ppm)	25	38.7	73 b	127 b	75-125	54 b
Zinc	mg/kg (ppm)	50	41.0	78 b	113 b	75-125	37 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Copper	mg/kg (ppm)	50	96	80-120
Nickel	mg/kg (ppm)	25	99	80-120
Zinc	mg/kg (ppm)	50	96	80-120

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

404263

SAMPLE CHAIN OF CUSTODY

04/17/24 A3/VSA1

Page # _____ of _____

Report To Yusuf Pehlivan

Company Farallon Consulting

Address ~~SS~~ 975 5th Ave NW

City, State, ZIP Issaquah WA

Phone _____ Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*) Courtney van Stolk

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / (No)

INVOICE TO: accounts payable

TURNAROUND TIME

☐ Standard turnaround

☑ RUSH 24 hr

Rush charges authorized by: Y Pehlivan

SAMPLE DISPOSAL

☐ Archive samples

☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D	RCRA Metals	Cu, Ni, and Zn		Notes
SP-01-041724	01 A-E	4-17-24	0900	soil	5	X	X					◇	X	◇	☆		◇ 3-day TAT per YP 04/24/24 ME
WSW-02-3.0	02	↓	0912	↓	↓	X	X						X				
WSW-03-4.0	03	↓	0915	↓	↓	X	X						X				☆ Cu, Ni, and Zn 05/06/24 1-day TAT
								Samples received at Ø °C									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Courtney van Stolk	Courtney van Stolk	Farallon	4-17-24	10:53
Received by:	ANHPHAN	F&B	04/17/24	10:53
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

April 18, 2024

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

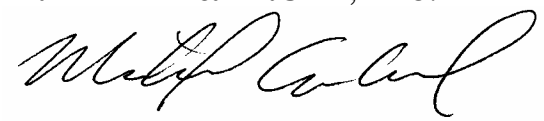
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on April 17, 2024 from the Emerald Gateway 1071-026, F&BI 404263 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Courtney van Stolk
FLN0418R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 17, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway 1071-026, F&BI 404263 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
404263 -01	SP-01-041724
404263 -02	WSW-02-3.0
404263 -03	WSW-03-4.0

All quality control requirements were acceptable.

Date of Report: 04/18/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263
Date Extracted: 04/18/24
Date Analyzed: 04/18/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
SP-01-041724 404263-01	460	ip
WSW-02-3.0 404263-02	<5	97
WSW-03-4.0 404263-03	<5	93
Method Blank 04-852 MB	<5	103

Date of Report: 04/18/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263
Date Extracted: 04/17/24
Date Analyzed: 04/17/24

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SP-01-041724 404263-01	<50	420	99
WSW-02-3.0 404263-02	<50	<250	102
WSW-03-4.0 404263-03	<50	420	98
Method Blank 04-945 MB	<50	<250	95

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	SP-01-041724	Client:	Farallon Consulting, LLC
Date Received:	04/17/24	Project:	Emerald Gateway 1071-026
Date Extracted:	04/17/24	Lab ID:	404263-01 1/0.5
Date Analyzed:	04/17/24	Data File:	041720.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	79	128
Toluene-d8	113	84	121
4-Bromofluorobenzene	127 ip	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	0.55
m,p-Xylene	0.58
o-Xylene	0.021

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	WSW-02-3.0	Client:	Farallon Consulting, LLC
Date Received:	04/17/24	Project:	Emerald Gateway 1071-026
Date Extracted:	04/17/24	Lab ID:	404263-02 1/0.5
Date Analyzed:	04/17/24	Data File:	041719.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	79	128
Toluene-d8	97	84	121
4-Bromofluorobenzene	100	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	WSW-03-4.0	Client:	Farallon Consulting, LLC
Date Received:	04/17/24	Project:	Emerald Gateway 1071-026
Date Extracted:	04/17/24	Lab ID:	404263-03 1/0.5
Date Analyzed:	04/17/24	Data File:	041718.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	79	128
Toluene-d8	99	84	121
4-Bromofluorobenzene	96	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway 1071-026
Date Extracted:	04/17/24	Lab ID:	04-0791 mb 1/0.5
Date Analyzed:	04/17/24	Data File:	041710.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	102	84	121
4-Bromofluorobenzene	98	84	116

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.001
Toluene	<0.001
Ethylbenzene	<0.001
m,p-Xylene	<0.002
o-Xylene	<0.001

Date of Report: 04/18/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 404263-03 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	40	105	70-130

Date of Report: 04/18/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 404263-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	250	97	101	64-136	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	78-121

Date of Report: 04/18/24
Date Received: 04/17/24
Project: Emerald Gateway 1071-026, F&BI 404263

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 404224-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	2	<0.03	90	92	29-129	2
Toluene	mg/kg (ppm)	2	<0.05	86	86	35-130	0
Ethylbenzene	mg/kg (ppm)	2	<0.05	87	86	32-137	1
m,p-Xylene	mg/kg (ppm)	4	<0.1	90	88	34-136	2
o-Xylene	mg/kg (ppm)	2	<0.05	91	85	33-134	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	2	97	65-136
Toluene	mg/kg (ppm)	2	93	66-126
Ethylbenzene	mg/kg (ppm)	2	94	64-123
m,p-Xylene	mg/kg (ppm)	4	97	68-128
o-Xylene	mg/kg (ppm)	2	94	67-129

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

404263

SAMPLE CHAIN OF CUSTODY

04/17/24 A3/VSA1

Page # 1 of 1

Report To Yusuf Pehlivan

Company Farallon Consulting

Address ~~SE~~ 975 5th Ave NW

City, State, ZIP Issaquah WA

Phone _____ Email ypehlivan@farallonconsulting.com

SAMPLERS (*signature*) Courtney van Stolk

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / (No)

INVOICE TO: accounts payable

TURNAROUND TIME

☐ Standard turnaround

☑ RUSH 24 hr

Rush charges authorized by: Y Pehlivan

SAMPLE DISPOSAL

☐ Archive samples

☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	BTEX 8260D				Notes
SP-01-041724	01 A-E	4-17-24	0900	soil	5	X	X						X				
WSW-02-3.0	02	↓	0912	↓	↓	X	X						X				
WSW-03-4.0	03	↓	0915	↓	↓	X	X						X				
								Samples received at 0 °C									

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Courtney van Stolk	Courtney van Stolk	Farallon	4-17-24	10:53
Received by:	ANHPHAN	F&B	04/17/24	10:53
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

September 9, 2022

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on August 26, 2022 from the Emerald Gateway, F&BI 208418 project. There are 31 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0909R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 26, 2022 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Gateway, F&BI 208418 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
208418 -01	UST-05-ESW01-5.5
208418 -02	UST-05-WSW01-5.5
208418 -03	UST-05-SSW01-5.5
208418 -04	UST-05-NSW01-5.5
208418 -05	UST-05-BOT01-7.0

The 8260D calibration standard failed the acceptance criteria for bromomethane. The data were flagged accordingly.

Arsenic in the 6020B matrix spike duplicate failed the acceptance criteria. The laboratory control sample passed the acceptance criteria, therefore the results were due to matrix effect.

The 8260D matrix spike and matrix spike duplicate failed the relative percent difference for several compounds. The laboratory control sample passed the acceptance criteria, therefore the results were due to matrix effect.

The 8270E matrix spike and matrix spike duplicate failed the relative percent difference for several compounds. The laboratory control sample passed the acceptance criteria, therefore the results were due to matrix effect.

The 8082A matrix spike and matrix spike duplicate failed the relative percent difference for several compounds. The laboratory control sample passed the acceptance criteria, therefore the results were due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 09/09/22
Date Received: 08/26/22
Project: Emerald Gateway, F&BI 208418
Date Extracted: 08/26/22
Date Analyzed: 08/29/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
UST-05-WSW01-5.5 208418-02 1/50	1,200	123
UST-05-BOT01-7.0 208418-05 1/100	2,500	116
Method Blank 02-1749 MB	<5	103

Date of Report: 09/09/22
Date Received: 08/26/22
Project: Emerald Gateway, F&BI 208418
Date Extracted: 08/26/22
Date Analyzed: 08/29/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
UST-05-WSW01-5.5 208418-02	5,300 x	730 x	149
UST-05-BOT01-7.0 208418-05	15,000 x	4,400 x	ip
Method Blank 02-2037 MB2	<50	<250	158

Analysis For Total Metals By EPA Method 6020B

Client ID:	UST-05-WSW01-5.5	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/29/22	Lab ID:	208418-02
Date Analyzed:	08/29/22	Data File:	208418-02.035
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.08
Copper	19.0
Lead	26.7

Analysis For Total Metals By EPA Method 6020B

Client ID:	UST-05-BOT01-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/29/22	Lab ID:	208418-05
Date Analyzed:	08/29/22	Data File:	208418-05.038
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.04
Copper	25.7
Lead	43.0

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	NA	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/29/22	Lab ID:	I2-593 mb
Date Analyzed:	08/29/22	Data File:	I2-593 mb.033
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Analyte:	Concentration mg/kg (ppm)
Arsenic	<0.2
Copper	<0.5
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	UST-05-WSW01-5.5	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	208418-02
Date Analyzed:	08/26/22	Data File:	082644.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	90	109
Toluene-d8	99	89	112
4-Bromofluorobenzene	100	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5 ca	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	11
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	66 ve
Hexane	0.48	o-Xylene	24
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	2.5
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	9.3
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	18
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	57 ve
Benzene	1.6	sec-Butylbenzene	1.3
Trichloroethene	<0.02	p-Isopropyltoluene	0.60
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	22	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	5.3
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	UST-05-WSW01-5.5	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/30/22	Lab ID:	208418-02 1/10
Date Analyzed:	08/30/22	Data File:	083012.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	90	109
Toluene-d8	99	89	112
4-Bromofluorobenzene	102	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<5	1,3-Dichloropropane	<0.5
Chloromethane	<5	Tetrachloroethene	<0.25
Vinyl chloride	<0.5	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.5
Chloroethane	<5	Chlorobenzene	<0.5
Trichlorofluoromethane	<5	Ethylbenzene	33
Acetone	<50	1,1,1,2-Tetrachloroethane	<0.5
1,1-Dichloroethene	<0.5	m,p-Xylene	190
Hexane	<2.5	o-Xylene	74
Methylene chloride	<5	Styrene	<0.5
Methyl t-butyl ether (MTBE)	<0.5	Isopropylbenzene	6.0
trans-1,2-Dichloroethene	<0.5	Bromoform	<0.5
1,1-Dichloroethane	<0.5	n-Propylbenzene	22
2,2-Dichloropropane	<0.5	Bromobenzene	<0.5
cis-1,2-Dichloroethene	<0.5	1,3,5-Trimethylbenzene	49
Chloroform	<0.5	1,1,2,2-Tetrachloroethane	<0.5
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<0.5
1,2-Dichloroethane (EDC)	<0.5	2-Chlorotoluene	<0.5
1,1,1-Trichloroethane	<0.5	4-Chlorotoluene	<0.5
1,1-Dichloropropene	<0.5	tert-Butylbenzene	<0.5
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	150
Benzene	4.0	sec-Butylbenzene	3.0
Trichloroethene	<0.2	p-Isopropyltoluene	1.5
1,2-Dichloropropane	<0.5	1,3-Dichlorobenzene	<0.5
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<0.5
Dibromomethane	<0.5	1,2-Dichlorobenzene	<0.5
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<5
cis-1,3-Dichloropropene	<0.5	1,2,4-Trichlorobenzene	<2.5
Toluene	70	Hexachlorobutadiene	<2.5
trans-1,3-Dichloropropene	<0.5	Naphthalene	17
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<2.5
2-Hexanone	<5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	UST-05-BOT01-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	208418-05
Date Analyzed:	08/27/22	Data File:	082645.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	90	109
Toluene-d8	105	89	112
4-Bromofluorobenzene	100	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5 ca	1,2-Dibromoethane (EDB)	1.7
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	170 ve
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	700 ve
Hexane	24 ve	o-Xylene	420 ve
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	37 ve
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	100 ve
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	190 ve
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	320 ve
Benzene	88 ve	sec-Butylbenzene	15
Trichloroethene	<0.02	p-Isopropyltoluene	8.5
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	410 ve	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	93 ve
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	UST-05-BOT01-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/30/22	Lab ID:	208418-05 1/100
Date Analyzed:	08/30/22	Data File:	083013.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	90	109
Toluene-d8	102	89	112
4-Bromofluorobenzene	101	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<50	1,3-Dichloropropane	<5
Chloromethane	<50	Tetrachloroethene	<2.5
Vinyl chloride	<5	Dibromochloromethane	<5
Bromomethane	<50	1,2-Dibromoethane (EDB)	<5
Chloroethane	<50	Chlorobenzene	<5
Trichlorofluoromethane	<50	Ethylbenzene	190
Acetone	<500	1,1,1,2-Tetrachloroethane	<5
1,1-Dichloroethene	<5	m,p-Xylene	1,100
Hexane	<25	o-Xylene	420
Methylene chloride	<50	Styrene	<5
Methyl t-butyl ether (MTBE)	<5	Isopropylbenzene	26
trans-1,2-Dichloroethene	<5	Bromoform	<5
1,1-Dichloroethane	<5	n-Propylbenzene	92
2,2-Dichloropropane	<5	Bromobenzene	<5
cis-1,2-Dichloroethene	<5	1,3,5-Trimethylbenzene	220
Chloroform	<5	1,1,2,2-Tetrachloroethane	<5
2-Butanone (MEK)	<100	1,2,3-Trichloropropane	<5
1,2-Dichloroethane (EDC)	<5	2-Chlorotoluene	<5
1,1,1-Trichloroethane	<5	4-Chlorotoluene	<5
1,1-Dichloropropene	<5	tert-Butylbenzene	<5
Carbon tetrachloride	<5	1,2,4-Trimethylbenzene	650
Benzene	110	sec-Butylbenzene	11
Trichloroethene	<2	p-Isopropyltoluene	6.3
1,2-Dichloropropane	<5	1,3-Dichlorobenzene	<5
Bromodichloromethane	<5	1,4-Dichlorobenzene	<5
Dibromomethane	<5	1,2-Dichlorobenzene	<5
4-Methyl-2-pentanone	<100	1,2-Dibromo-3-chloropropane	<50
cis-1,3-Dichloropropene	<5	1,2,4-Trichlorobenzene	<25
Toluene	770	Hexachlorobutadiene	<25
trans-1,3-Dichloropropene	<5	Naphthalene	68
1,1,2-Trichloroethane	<5	1,2,3-Trichlorobenzene	<25
2-Hexanone	<50		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	02-1937 mb
Date Analyzed:	08/26/22	Data File:	082625.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	90	109
Toluene-d8	97	89	112
4-Bromofluorobenzene	101	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5 ca	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	0.95	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/30/22	Lab ID:	02-1958 mb
Date Analyzed:	08/30/22	Data File:	083005.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	90	109
Toluene-d8	99	89	112
4-Bromofluorobenzene	99	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	UST-05-WSW01-5.5	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	208418-02 1/5
Date Analyzed:	08/29/22	Data File:	082908.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	86	10	198
2-Fluorobiphenyl	90	45	117
2,4,6-Tribromophenol	95	11	158
Terphenyl-d14	104	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	22 ve
2-Methylnaphthalene	15 ve
1-Methylnaphthalene	8.0 ve
Acenaphthylene	0.056
Acenaphthene	0.14
Fluorene	0.75
Phenanthrene	2.4
Anthracene	0.34
Fluoranthene	0.88
Pyrene	1.7
Benz(a)anthracene	0.59
Chrysene	0.73
Benzo(a)pyrene	0.44
Benzo(b)fluoranthene	0.35
Benzo(k)fluoranthene	0.11
Indeno(1,2,3-cd)pyrene	0.15
Dibenz(a,h)anthracene	0.057
Benzo(g,h,i)perylene	0.17

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	UST-05-WSW01-5.5	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	208418-02 1/50
Date Analyzed:	08/29/22	Data File:	082926.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	74 d	10	198
2-Fluorobiphenyl	89 d	45	117
2,4,6-Tribromophenol	78 d	11	158
Terphenyl-d14	95 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	21
2-Methylnaphthalene	15
1-Methylnaphthalene	7.7

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	UST-05-BOT01-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	208418-05 1/25
Date Analyzed:	08/29/22	Data File:	082909.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	90 d	10	198
2-Fluorobiphenyl	87 d	45	117
2,4,6-Tribromophenol	89 d	11	158
Terphenyl-d14	93 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	71 ve
2-Methylnaphthalene	46 ve
1-Methylnaphthalene	24
Acenaphthylene	0.46
Acenaphthene	2.1
Fluorene	4.0
Phenanthrene	21
Anthracene	3.7
Fluoranthene	10
Pyrene	18
Benz(a)anthracene	7.0
Chrysene	8.8
Benzo(a)pyrene	5.6
Benzo(b)fluoranthene	4.3
Benzo(k)fluoranthene	1.5
Indeno(1,2,3-cd)pyrene	2.1
Dibenz(a,h)anthracene	0.69
Benzo(g,h,i)perylene	1.9

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	UST-05-BOT01-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	208418-05 1/250
Date Analyzed:	08/29/22	Data File:	082927.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	85 d	10	198
2-Fluorobiphenyl	85 d	45	117
2,4,6-Tribromophenol	50 d	11	158
Terphenyl-d14	75 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	67
2-Methylnaphthalene	43

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	08/26/22	Lab ID:	02-2034 mb3
Date Analyzed:	08/29/22	Data File:	082907.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	61	10	198
2-Fluorobiphenyl	77	45	117
2,4,6-Tribromophenol	100	11	158
Terphenyl-d14	103	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.002
2-Methylnaphthalene	<0.002
1-Methylnaphthalene	<0.002
Acenaphthylene	<0.002
Acenaphthene	<0.002
Fluorene	<0.002
Phenanthrene	<0.002
Anthracene	<0.002
Fluoranthene	<0.002
Pyrene	<0.002
Benz(a)anthracene	<0.002
Chrysene	<0.002
Benzo(a)pyrene	<0.002
Benzo(b)fluoranthene	<0.002
Benzo(k)fluoranthene	<0.002
Indeno(1,2,3-cd)pyrene	<0.002
Dibenz(a,h)anthracene	<0.002
Benzo(g,h,i)perylene	<0.002

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	UST-05-WSW01-5.5	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	09/08/22	Lab ID:	208418-02 1/6
Date Analyzed:	09/08/22	Data File:	090821.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	81	23	120

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	UST-05-BOT01-7.0	Client:	Farallon Consulting, LLC
Date Received:	08/26/22	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	09/08/22	Lab ID:	208418-05 1/6
Date Analyzed:	09/08/22	Data File:	090822.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	75	23	120

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Emerald Gateway, F&BI 208418
Date Extracted:	09/08/22	Lab ID:	02-2129 mb 1/6
Date Analyzed:	09/08/22	Data File:	090820.D
Matrix:	Soil	Instrument:	GC9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	123 vo	23	120

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

Date of Report: 09/09/22
Date Received: 08/26/22
Project: Emerald Gateway, F&BI 208418

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 208371-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 09/09/22
Date Received: 08/26/22
Project: Emerald Gateway, F&BI 208418

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208363-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	88	96	73-135	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	120	74-139

Date of Report: 09/09/22
Date Received: 08/26/22
Project: Emerald Gateway, F&BI 208418

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 208418-02 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	75	71 vo	75-125	5
Copper	mg/kg (ppm)	50	<25	86	86	75-125	0
Lead	mg/kg (ppm)	50	24.7	84	87	75-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	86	80-120
Copper	mg/kg (ppm)	50	104	80-120
Lead	mg/kg (ppm)	50	96	80-120

Date of Report: 09/09/22
Date Received: 08/26/22
Project: Emerald Gateway, F&BI 208418

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208393-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	18	14	10-142	25 vo
Chloromethane	mg/kg (ppm)	1	<0.5	43	35	10-126	21 vo
Vinyl chloride	mg/kg (ppm)	1	<0.05	46	36	10-138	24 vo
Bromomethane	mg/kg (ppm)	1	<0.5	46	36	10-163	24 vo
Chloroethane	mg/kg (ppm)	1	<0.5	54	46	10-176	16
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	55	43	10-176	24 vo
Acetone	mg/kg (ppm)	5	<5	88	68	10-163	26 vo
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	62	45	10-160	32 vo
Hexane	mg/kg (ppm)	1	<0.25	60	48	10-137	22 vo
Methylene chloride	mg/kg (ppm)	1	0.46	67 b	49 b	10-156	31 b
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	79	63	21-145	23 vo
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	75	57	14-137	27 vo
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	74	61	19-140	19
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	94	69	10-158	31 vo
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	81	63	25-135	25 vo
Chloroform	mg/kg (ppm)	1	<0.05	78	62	21-145	23 vo
2-Butanone (MEK)	mg/kg (ppm)	5	<1	90	72	19-147	22 vo
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	83	66	12-160	23 vo
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	79	59	10-156	29 vo
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	78	59	17-140	28 vo
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	85	68	9-164	22 vo
Benzene	mg/kg (ppm)	1	<0.03	78	61	29-129	24 vo
Trichloroethene	mg/kg (ppm)	1	<0.02	80	62	21-139	25 vo
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	83	64	30-135	26 vo
Bromodichloromethane	mg/kg (ppm)	1	<0.05	86	67	23-155	25 vo
Dibromomethane	mg/kg (ppm)	1	<0.05	85	66	23-145	25 vo
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	91	73	24-155	22 vo
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	86	65	28-144	28 vo
Toluene	mg/kg (ppm)	1	<0.05	86	66	35-130	26 vo
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	90	70	26-149	25 vo
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	91	72	10-205	23 vo
2-Hexanone	mg/kg (ppm)	5	<0.5	93	76	15-166	20
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	88	71	31-137	21 vo
Tetrachloroethene	mg/kg (ppm)	1	<0.025	85	68	20-133	22 vo
Dibromochloromethane	mg/kg (ppm)	1	<0.05	91	70	28-150	26 vo
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	89	71	28-142	22 vo
Chlorobenzene	mg/kg (ppm)	1	<0.05	88	69	32-129	24 vo
Ethylbenzene	mg/kg (ppm)	1	<0.05	87	69	32-137	23 vo
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	89	72	31-143	21 vo
m,p-Xylene	mg/kg (ppm)	2	<0.1	87	69	34-136	23 vo
o-Xylene	mg/kg (ppm)	1	<0.05	87	68	33-134	25 vo
Styrene	mg/kg (ppm)	1	<0.05	86	69	35-137	22 vo
Isopropylbenzene	mg/kg (ppm)	1	<0.05	89	70	31-142	24 vo
Bromoform	mg/kg (ppm)	1	<0.05	90	72	21-156	22 vo
n-Propylbenzene	mg/kg (ppm)	1	<0.05	90	72	23-146	22 vo
Bromobenzene	mg/kg (ppm)	1	<0.05	89	71	34-130	22 vo
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	<0.05	89	71	18-149	22 vo
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	94	76	28-140	21 vo
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	95	76	25-144	22 vo
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	89	71	31-134	22 vo
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	89	72	31-136	21 vo
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	90	72	30-137	22 vo
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	<0.05	90	71	10-182	24 vo
sec-Butylbenzene	mg/kg (ppm)	1	<0.05	91	73	23-145	22 vo
p-Isopropyltoluene	mg/kg (ppm)	1	<0.05	91	72	21-149	23 vo
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	89	71	30-131	22 vo
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	91	73	29-129	22 vo
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	90	71	31-132	24 vo
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	98	79	11-161	21 vo
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	93	74	22-142	23 vo
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	95	74	10-142	25 vo
Naphthalene	mg/kg (ppm)	1	<0.05	93	74	14-157	23 vo
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	93	73	20-144	24 vo

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	62	10-146
Chloromethane	mg/kg (ppm)	1	69	27-133
Vinyl chloride	mg/kg (ppm)	1	76	22-139
Bromomethane	mg/kg (ppm)	1	70	38-114
Chloroethane	mg/kg (ppm)	1	78	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	83	10-196
Acetone	mg/kg (ppm)	5	90	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	80	47-128
Hexane	mg/kg (ppm)	1	103	43-142
Methylene chloride	mg/kg (ppm)	1	92	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	90	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	92	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	92	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	113	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	93	72-127
Chloroform	mg/kg (ppm)	1	85	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	100	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	93	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	88	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	92	69-128
Carbon tetrachloride	mg/kg (ppm)	1	104	60-139
Benzene	mg/kg (ppm)	1	90	71-118
Trichloroethene	mg/kg (ppm)	1	90	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	93	72-127
Bromodichloromethane	mg/kg (ppm)	1	95	57-126
Dibromomethane	mg/kg (ppm)	1	95	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	103	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	95	67-122
Toluene	mg/kg (ppm)	1	95	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	100	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	102	64-115
2-Hexanone	mg/kg (ppm)	5	105	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	98	72-130
Tetrachloroethene	mg/kg (ppm)	1	96	72-114
Dibromochloromethane	mg/kg (ppm)	1	98	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	99	74-132
Chlorobenzene	mg/kg (ppm)	1	96	76-111
Ethylbenzene	mg/kg (ppm)	1	97	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	101	64-121
m,p-Xylene	mg/kg (ppm)	2	96	78-122
o-Xylene	mg/kg (ppm)	1	97	77-124
Styrene	mg/kg (ppm)	1	97	74-126
Isopropylbenzene	mg/kg (ppm)	1	96	76-127
Bromoform	mg/kg (ppm)	1	99	56-132
n-Propylbenzene	mg/kg (ppm)	1	98	74-124
Bromobenzene	mg/kg (ppm)	1	100	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	97	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	104	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	104	61-137
2-Chlorotoluene	mg/kg (ppm)	1	97	74-121
4-Chlorotoluene	mg/kg (ppm)	1	98	75-122
tert-Butylbenzene	mg/kg (ppm)	1	97	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	97	76-125
sec-Butylbenzene	mg/kg (ppm)	1	98	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	98	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	96	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	98	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	97	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	104	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	98	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	102	50-153
Naphthalene	mg/kg (ppm)	1	97	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	96	63-138

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208447-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	15	12	10-142	22 vo
Chloromethane	mg/kg (ppm)	1	<0.5	39	31	10-126	23 vo
Vinyl chloride	mg/kg (ppm)	1	<0.05	37	31	10-138	18
Bromomethane	mg/kg (ppm)	1	<0.5	43	36	10-163	18
Chloroethane	mg/kg (ppm)	1	<0.5	39	36	10-176	8
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	38	30	10-176	24 vo
Acetone	mg/kg (ppm)	5	<5	78	58	10-163	29 vo
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	38	30	10-160	24 vo
Hexane	mg/kg (ppm)	1	0.57	37 b	19 b	10-137	64 b
Methylene chloride	mg/kg (ppm)	1	<0.5	65	48	10-156	30 vo
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	69	53	21-145	26 vo
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	55	45	14-137	20
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	63	49	19-140	25 vo
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	78	59	10-158	28 vo
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	68	52	25-135	27 vo
Chloroform	mg/kg (ppm)	1	0.051	63	48	21-145	27 vo
2-Butanone (MEK)	mg/kg (ppm)	5	<1	81	62	19-147	27 vo
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	68	54	12-160	23 vo
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	55	44	10-156	22 vo
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	52	41	17-140	24 vo
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	54	44	9-164	20
Benzene	mg/kg (ppm)	1	0.14	57	43	29-129	28 vo
Trichloroethene	mg/kg (ppm)	1	<0.02	55	44	21-139	22 vo
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	64	50	30-135	25 vo
Bromodichloromethane	mg/kg (ppm)	1	<0.05	74	57	23-155	26 vo
Dibromomethane	mg/kg (ppm)	1	<0.05	68	54	23-145	23 vo
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	82	65	24-155	23 vo
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	68	53	28-144	25 vo
Toluene	mg/kg (ppm)	1	1.7	59 b	15 b	35-130	119 b
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	71	58	26-149	20
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	86	69	10-205	22 vo
2-Hexanone	mg/kg (ppm)	5	<0.5	78	60	15-166	26 vo
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	69	55	31-137	23 vo
Tetrachloroethene	mg/kg (ppm)	1	0.025	40	32	20-133	22 vo
Dibromochloromethane	mg/kg (ppm)	1	<0.05	68	54	28-150	23 vo
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	64	51	28-142	23 vo
Chlorobenzene	mg/kg (ppm)	1	<0.05	57	46	32-129	21 vo
Ethylbenzene	mg/kg (ppm)	1	1.1	55 b	25 b	32-137	75 b
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	63	50	31-143	23 vo
m,p-Xylene	mg/kg (ppm)	2	5.5	60 b	3 b	34-136	181 b
o-Xylene	mg/kg (ppm)	1	2.4	58 b	6 b	33-134	162 b
Styrene	mg/kg (ppm)	1	0.086	56	43	35-137	26 vo
Isopropylbenzene	mg/kg (ppm)	1	0.28	47 b	33 b	31-142	35 b
Bromoform	mg/kg (ppm)	1	<0.05	67	55	21-156	20
n-Propylbenzene	mg/kg (ppm)	1	1.1	50 b	21 b	23-146	82 b
Bromobenzene	mg/kg (ppm)	1	<0.05	56	42	34-130	29 vo
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	3.4	66 b	9 b	18-149	152 b
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	101	79	28-140	24 vo
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	71	55	25-144	25 vo
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	138 vo	111	31-134	22 vo
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	83	64	31-136	26 vo
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	41	33	30-137	22 vo
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	11	140 b	0 b	10-182	nm
sec-Butylbenzene	mg/kg (ppm)	1	0.32	42 b	28 b	23-145	40 b
p-Isopropyltoluene	mg/kg (ppm)	1	0.43	41 b	27 b	21-149	41 b
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	48	37	30-131	26 vo
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	51	39	29-129	27 vo
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	55	42	31-132	27 vo
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	116	91	11-161	24 vo
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	45	34	22-142	28 vo
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	35	27	10-142	26 vo
Naphthalene	mg/kg (ppm)	1	7.4	74 b	0 b	14-157	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	51	39	20-144	27 vo

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	43	10-146
Chloromethane	mg/kg (ppm)	1	61	27-133
Vinyl chloride	mg/kg (ppm)	1	68	22-139
Bromomethane	mg/kg (ppm)	1	62	38-114
Chloroethane	mg/kg (ppm)	1	73	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	82	10-196
Acetone	mg/kg (ppm)	5	98	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	77	47-128
Hexane	mg/kg (ppm)	1	90	43-142
Methylene chloride	mg/kg (ppm)	1	83	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	90	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	89	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	89	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	124	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	92	72-127
Chloroform	mg/kg (ppm)	1	87	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	102	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	93	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	93	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	89	69-128
Carbon tetrachloride	mg/kg (ppm)	1	99	60-139
Benzene	mg/kg (ppm)	1	88	71-118
Trichloroethene	mg/kg (ppm)	1	92	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	92	72-127
Bromodichloromethane	mg/kg (ppm)	1	96	57-126
Dibromomethane	mg/kg (ppm)	1	95	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	102	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	96	67-122
Toluene	mg/kg (ppm)	1	91	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	96	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	98	64-115
2-Hexanone	mg/kg (ppm)	5	101	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	94	72-130
Tetrachloroethene	mg/kg (ppm)	1	90	72-114
Dibromochloromethane	mg/kg (ppm)	1	95	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	96	74-132
Chlorobenzene	mg/kg (ppm)	1	92	76-111
Ethylbenzene	mg/kg (ppm)	1	91	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	96	64-121
m,p-Xylene	mg/kg (ppm)	2	90	78-122
o-Xylene	mg/kg (ppm)	1	90	77-124
Styrene	mg/kg (ppm)	1	91	74-126
Isopropylbenzene	mg/kg (ppm)	1	91	76-127
Bromoform	mg/kg (ppm)	1	95	56-132
n-Propylbenzene	mg/kg (ppm)	1	92	74-124
Bromobenzene	mg/kg (ppm)	1	95	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	92	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	101	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	99	61-137
2-Chlorotoluene	mg/kg (ppm)	1	93	74-121
4-Chlorotoluene	mg/kg (ppm)	1	93	75-122
tert-Butylbenzene	mg/kg (ppm)	1	94	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	92	76-125
sec-Butylbenzene	mg/kg (ppm)	1	94	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	93	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	92	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	95	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	92	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	102	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	93	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	95	50-153
Naphthalene	mg/kg (ppm)	1	96	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	93	63-138

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 208369-05 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	82	77	50-150	6
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	81	78	50-150	4
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	81	78	50-150	4
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	86	81	50-150	6
Acenaphthene	mg/kg (ppm)	0.83	<0.01	80	76	50-150	5
Fluorene	mg/kg (ppm)	0.83	<0.01	83	79	50-150	5
Phenanthrene	mg/kg (ppm)	0.83	<0.01	86	81	10-170	6
Anthracene	mg/kg (ppm)	0.83	<0.01	87	81	50-150	7
Fluoranthene	mg/kg (ppm)	0.83	<0.01	86	79	10-203	8
Pyrene	mg/kg (ppm)	0.83	<0.01	93	83	10-208	11
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	90	86	37-146	5
Chrysene	mg/kg (ppm)	0.83	<0.01	89	84	36-144	6
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	92	88	40-150	4
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	92	93	45-157	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	91	96	50-150	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	83	55	24-145	41 vo
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	82	54	31-137	41 vo
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	77	48	14-141	46 vo

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	83	61-102
2-Methylnaphthalene	mg/kg (ppm)	0.83	81	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	81	62-108
Acenaphthylene	mg/kg (ppm)	0.83	93	61-111
Acenaphthene	mg/kg (ppm)	0.83	87	61-110
Fluorene	mg/kg (ppm)	0.83	91	62-114
Phenanthrene	mg/kg (ppm)	0.83	97	64-112
Anthracene	mg/kg (ppm)	0.83	98	63-111
Fluoranthene	mg/kg (ppm)	0.83	99	66-115
Pyrene	mg/kg (ppm)	0.83	105	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	98	64-116
Chrysene	mg/kg (ppm)	0.83	97	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	97	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	99	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	101	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	101	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	102	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	101	67-126

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 208418-05 1/6 (Matrix Spike) 1/6

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	118 vo	83	44-107	35 vo
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	112	76	38-124	38 vo

Laboratory Code: Laboratory Control Sample 1/6

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	80	47-158
Aroclor 1260	mg/kg (ppm)	0.25	80	69-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

208418

8/26/22

B02

Report To Yusuf Rehlivan

Company Farallon Consulting

Address 1809 7th Ave, #1111

City, State, ZIP Seattle, WA

Phone _____ Email yrehlivan@farallonconsulting.com

SAMPLERS (~~signature~~)

PROJECT NAME: Emerald Gateway

PO #: 1071-026

REMARKS: ~~HOLD for PH mobx request~~

Project specific RLs? - Yes / No

INVOICE TO

Page # 1 of 1

TURNAROUND TIME

☐ Standard turnaround VSAS

☒ ~~RUSH~~ 24 hour

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Lead				Notes
						ANALYSES REQUESTED											
UST-05-ESW01-5.5	01 A-E	8/26/22	1102	SOIL	5												X per YP
UST-05-WSW01-5.5	02		1110			X	X			X	X	X	X				8/26/22 ME
UST-05-SSW01-5.5	03		1115														
UST-05-NSW01-5.5	04		1120														
UST-05-BOT01-7.0	05		1125			X	X			X	X	X	X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Glenn McSweeney	F&W	8/26/22	1310
Received by: W. Madden	W. Madden	F+BI	8/26/22	1310
Relinquished by:				
Received by:		Samples received at 2°C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 7, 2023

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

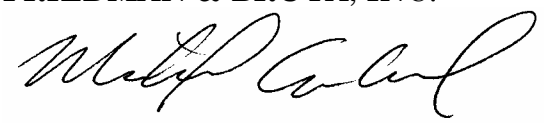
Dear Mr Pehlivan:

Included are the results from the testing of material submitted on February 3, 2023 from the Emerald Way 1071-026, F&BI 302050 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0207R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 3, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Emerald Way 1071-026, F&BI 302050 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
302050 -01	SST02-NSW-11.0
302050 -02	SST02-NSW-10.0
302050 -03	SST02-NSW-6.0
302050 -04	SST02-ESW-11.0
302050 -05	SST02-ESW-10.0
302050 -06	SST02-ESW-6.0
302050 -07	SST02-WSW-11.0
302050 -08	SST02-WSW-6.0
302050 -09	SST02-WSW-10.0
302050 -10	SST02-SSW-7.0
302050 -11	SST02-Trench Box -11.5
302050 -12	SST02-Trench Box-16.0

All quality control requirements were acceptable.

Date of Report: 02/07/23
Date Received: 02/03/23
Project: Emerald Way 1071-026, F&BI 302050
Date Extracted: 02/06/23
Date Analyzed: 02/06/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
SST02-NSW-10.0 302050-02	<0.02	<0.02	<0.02	<0.06	<5	85
SST02-NSW-6.0 302050-03	<0.02	<0.02	<0.02	<0.06	<5	85
SST02-ESW-10.0 302050-05	<0.02	<0.02	<0.02	<0.06	<5	87
SST02-ESW-6.0 302050-06	<0.02	<0.02	<0.02	<0.06	<5	85
SST02-WSW-11.0 302050-07	<0.02	<0.02	<0.02	<0.06	<5	79
SST02-WSW-6.0 302050-08	<0.02	<0.02	<0.02	<0.06	<5	86
SST02-WSW-10.0 302050-09	<0.02	<0.02	<0.02	<0.06	<5	88
SST02-SSW-7.0 302050-10	<0.02	<0.02	<0.02	<0.06	<5	85
SST02- Trench Box -11.5 302050-11	<0.02	<0.02	<0.02	<0.06	<5	80
Method Blank 03-223 MB	<0.02	<0.02	<0.02	<0.06	<5	91

Date of Report: 02/07/23
Date Received: 02/03/23
Project: Emerald Way 1071-026, F&BI 302050
Date Extracted: 02/06/23
Date Analyzed: 02/06/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SST02-NSW-10.0 302050-02	<50	<250	107
SST02-NSW-6.0 302050-03	<50	<250	104
SST02-ESW-10.0 302050-05	<50	<250	109
SST02-ESW-6.0 302050-06	<50	<250	103
SST02-WSW-11.0 302050-07	<50	<250	106
SST02-WSW-6.0 302050-08	<50	<250	104
SST02-WSW-10.0 302050-09	<50	<250	106
SST02-SSW-7.0 302050-10	<50	<250	109
SST02-Trench Box -11.5 302050-11	<50	<250	109
Method Blank 03-313 MB	<50	<250	109

Date of Report: 02/07/23
Date Received: 02/03/23
Project: Emerald Way 1071-026, F&BI 302050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 302050-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	102	66-121
Toluene	mg/kg (ppm)	0.5	100	72-128
Ethylbenzene	mg/kg (ppm)	0.5	98	69-132
Xylenes	mg/kg (ppm)	1.5	100	69-131
Gasoline	mg/kg (ppm)	20	95	61-153

Date of Report: 02/07/23
Date Received: 02/03/23
Project: Emerald Way 1071-026, F&BI 302050

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 302044-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	108	110	70-130	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY 02/03/23 VS-B2/D2

302050

Report To Yusuf Pehlivan

Company Farallon Consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah, WA 98027

Phone _____ Email YPehlivan@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Emerald Way

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr TAT

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____

Default: Dispose after 30 days

Sample ID (prefix for SST02 - all Samples)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
NSW-11.0	01 A-E	2/3/23	1300	Soil	5												X po YP 2/3/23 ME
NSW-10.0	02	"	1305	"	1	X	X	X									
NSW-6.0	03	"	1310	"	"	X	X	X									
ESW-11.0	04	"	1315	"	"												
ESW-10.0	05	"	1320	"	"	X	X	X									
ESW-6.0	06	"	1325	"	"	X	X	X									
WSW-11.0	07	"	1330	"	"	X	X	X									
WSW-6.0	08	"	1335	"	"	X	X	X									
WSW-10.0	09	"	1340	"	"	X	X	X									
SSW-7.0	10	"	1345	"	"	X	X	X									

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Michael Ysaguirre	FLN	2/3/23	1503
Received by:	Nhut Truong	F B	2/3/23	1503
Relinquished by:				
Received by:		Samples received at -0.4°C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

302050

SAMPLE CHAIN OF CUSTODY

02/03/23 VS-B2/D2

Report To Yusuf Penlivan
Company Farallon Consulting
Address 975 5th Ave NW
City, State, ZIP Issaquah, WA 98027
Phone _____ Email YPenlivan@farallonconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Emerald Way
PO #: 1071-026

REMARKS
Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
☐ Standard turnaround
☒ RUSH 24 hr TAT
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other _____
Default: Dispose after 30 days

Sample ID (SST02- prefix for all samples)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
Trench Box-11.5	11 A-E	2/3/23	1350	Soil	5	X	X	X									
Trench Box-16.0	12	〃	1355	〃	〃												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Michael Ysaguirre	FLN	2/3/23	1503
Received by:	Nhut Truong	FB	2/3/23	1503
Relinquished by:				
Received by:		Samples received at 0.4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 6, 2023

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the additional results from the testing of material submitted on January 30, 2023 from the Gateway 1071-026, F&BI 301440 project. There are 8 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0206R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 30, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Gateway 1071-026, F&BI 301440 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
301440 -01	SST02-SSW01-10.0
301440 -02	STP-01-013023

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	STP-01-013023	Client:	Farallon Consulting, LLC
Date Received:	01/30/23	Project:	Gateway 1071-026, F&BI 301440
Date Extracted:	02/02/23	Lab ID:	301440-02
Date Analyzed:	02/03/23	Data File:	301440-02.054
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weigh	Operator:	MG

Analyte:	Concentration mg/kg (ppm)
Lead	10.3

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Gateway 1071-026, F&BI 301440
Date Extracted:	02/03/23	Lab ID:	I3-74 mb2
Date Analyzed:	02/03/23	Data File:	I3-74 mb2.033
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	MG

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	STP-01-013023	Client:	Farallon Consulting, LLC
Date Received:	01/30/23	Project:	Gateway 1071-026, F&BI 301440
Date Extracted:	02/03/23	Lab ID:	301440-02 1/0.25
Date Analyzed:	02/03/23	Data File:	020309.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	84	120
Toluene-d8	98	73	128
4-Bromofluorobenzene	98	57	146

Compounds:	Concentration mg/kg (ppm)
Methyl t-butyl ether (MTBE)	<0.001
1,2-Dibromoethane (EDB)	<0.005
1,2-Dichloroethane (EDC)	<0.002

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Gateway 1071-026, F&BI 301440
Date Extracted:	02/03/23	Lab ID:	03-0262 mb 1/0.25
Date Analyzed:	02/03/23	Data File:	020308.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	99	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration mg/kg (ppm)
Methyl t-butyl ether (MTBE)	<0.001
1,2-Dibromoethane (EDB)	<0.005
1,2-Dichloroethane (EDC)	<0.002

Date of Report: 02/06/23
Date Received: 01/30/23
Project: Gateway 1071-026, F&BI 301440

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 302011-08 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	<5	86	91	75-125	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	100	80-120

Date of Report: 02/06/23
Date Received: 01/30/23
Project: Gateway 1071-026, F&BI 301440

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 301440-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	<0.05	96	90	21-145	6
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	<0.05	98	90	12-160	9
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	<0.05	94	88	28-142	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2	90	60-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2	94	56-135
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2	90	74-132

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

301440

SAMPLE CHAIN OF CUSTODY

01-30-23 VS-A1/B1

Page # 1 of 1

Report To Yusuf Pehlivan

Company Furallon Consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 425 245 0800 Email ypehlivan@furallonconsulting.com

SAMPLERS (signature) Max-Henry Nelson

PROJECT NAME: Gateway

PO #: 1071-026

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270	PCBs EPA 8082	Total Lead	EDB, EDC, MTBE			Notes
SST02-SSV01-10.0	01 A-E	1/30/23	1020	S	5	X	X	X			X						* only cPAH
STP-01-013023	02 A-E	1/30/23	1055	S	5	X	X	X			X		(X)	(X)			(X) per YP
																	24h TAT ME

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nelson	Max-Henry Nelson	Furallon	1/30/23	1226
Received by:	Ann Webber	FRB	1/30/23	1226
Relinquished by:				
Received by:		Samples received at 0 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 1, 2023

Yusuf Pehlivan, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Pehlivan:

Included are the results from the testing of material submitted on January 30, 2023 from the Gateway 1071-026, F&BI 301440 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0201R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 30, 2023 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Gateway 1071-026, F&BI 301440 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
301440 -01	SST02-SSW01-10.0
301440 -02	STP-01-013023

All quality control requirements were acceptable.

Date of Report: 02/01/23
Date Received: 01/30/23
Project: Gateway 1071-026, F&BI 301440
Date Extracted: 01/30/23
Date Analyzed: 01/30/23

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
SST02-SSW01-10.0 301440-01 1/5	<0.02 j	<0.1	<0.1	<0.3	97	112
STP-01-013023 301440-02	<0.02	0.029	<0.02	0.26	160	126
Method Blank 03-212 MB	<0.02	<0.02	<0.02	<0.06	<5	125

Date of Report: 02/01/23
Date Received: 01/30/23
Project: Gateway 1071-026, F&BI 301440
Date Extracted: 01/31/23
Date Analyzed: 01/31/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SST02-SSW01-10.0 301440-01	<50	<250	90
STP-01-013023 301440-02	<50	<250	95
Method Blank 03-290 MB2	<50	<250	90

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SST02-SSW01-10.0	Client:	Farallon Consulting, LLC
Date Received:	01/30/23	Project:	Gateway 1071-026, F&BI 301440
Date Extracted:	01/30/23	Lab ID:	301440-01 1/5
Date Analyzed:	01/31/23	Data File:	013030.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Terphenyl-d14	97	31	167

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	STP-01-013023	Client:	Farallon Consulting, LLC
Date Received:	01/30/23	Project:	Gateway 1071-026, F&BI 301440
Date Extracted:	01/30/23	Lab ID:	301440-02 1/25
Date Analyzed:	01/31/23	Data File:	013031.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Terphenyl-d14	95 d	31	167

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.05
Chrysene	<0.05
Benzo(a)pyrene	<0.05
Benzo(b)fluoranthene	<0.05
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Gateway 1071-026, F&BI 301440
Date Extracted:	01/30/23	Lab ID:	03-291 mb 1/5
Date Analyzed:	01/31/23	Data File:	013029.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Terphenyl-d14	110	31	167

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Date of Report: 02/01/23
Date Received: 01/30/23
Project: Gateway 1071-026, F&BI 301440

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 301354-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	100	70-130
Toluene	mg/kg (ppm)	0.5	102	70-130
Ethylbenzene	mg/kg (ppm)	0.5	104	70-130
Xylenes	mg/kg (ppm)	1.5	113	70-130
Gasoline	mg/kg (ppm)	20	100	70-130

Date of Report: 02/01/23
Date Received: 01/30/23
Project: Gateway 1071-026, F&BI 301440

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 301433-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	750	98	98	70-130	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	102	70-130

Date of Report: 02/01/23
Date Received: 01/30/23
Project: Gateway 1071-026, F&BI 301440

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 301356-04 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	101	99	37-146	2
Chrysene	mg/kg (ppm)	0.83	<0.01	97	96	36-144	1
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	98	96	40-150	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	101	95	45-157	6
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	93	88	50-150	6
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	108	125	24-145	15
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	100	113	31-137	12

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benz(a)anthracene	mg/kg (ppm)	0.83	95	70-130
Chrysene	mg/kg (ppm)	0.83	94	70-130
Benzo(a)pyrene	mg/kg (ppm)	0.83	94	68-120
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	92	69-125
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	88	70-130
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	120	67-129
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	108	67-128

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

301440

SAMPLE CHAIN OF CUSTODY

01-30-23 VS-A1/B1

Page # 1 of 1

Report To Yusuf Pehlivan

Company Furallan consulting

Address 975 5th Ave NW

City, State, ZIP Issaquah WA 98027

Phone 425 295 0800 Email ypehlivan@furallanconsulting.com

SAMPLERS (*signature*) Max-Henry Nelson

PROJECT NAME: Gateway

PO #: 1071-026

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: AP

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	cPAHs EPA 8270 *	PCBs EPA 8082					Notes
SST02-SSV01-10.0	01 A-E	1/30/23	10 20	S	5	X	X	X			X						* only cPAH
STP-01-013023	02 A-E	1/30/23	1055	S	5	X	X	X			X						

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Max-Henry Nelson	Max-Henry Nelson	Furallan	1/30/23	1226
Received by: Ann Webber	Ann Webber	FRB	1/30/23	1226
Relinquished by:				
Received by:		Samples received at 0 °C		

APPENDIX B
INTERIM ACTION PHOTOLOG

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

SITE PHOTOGRAPHS
Interim Action Report
Emerald Gateway Site
Seattle/Tukwila, Washington
Farallon PN: 1071-026

Photograph 1. Area 2 petroleum-contaminated soil excavation in June 2020, looking south.

Photograph 2. Area 7 petroleum-contaminated soil excavation in June 2020, looking northeast.

Photograph 3. Area 6 petroleum-contaminated soil excavation in September 2020, looking north.

Photograph 4. Area 11 stormwater utility installation trenching in September 2020, looking northeast.

Photograph 5. Area 11 UST decommissioning activities in October 2020.

Photograph 6. Area 11 Interim Action excavation proximate to former UST in October 2020.

Photograph 7. Construction Stormwater Pond 3 in the central portion of the Site in May 2022, looking northeast.

Photograph 8. Area 7 to Area 13 UST decommissioning and removal in August 2022.

Photograph 9. Area 7 to Area 13 Interim Action excavation proximate to former UST in the western portion of the Site in August 2022.

Photograph 10. Area 13 petroleum-contaminated soil excavation beneath the former Stormwater Pond 3 in January 2024.

Photograph 11. Area 13 brick debris excavation beneath former Stormwater Pond 1 in January 2024.

Photograph 12. Paved King County Metro training area in the northeastern portion of the Site in July 2025, looking southwest.

Photograph 13. Completed building in the northern portion of the Site in July 2025, looking northeast.

Photograph 14. Completed building and paved parking in the western portion of the Site in July 2025, looking north.



Photograph 1. Area 2 petroleum-contaminated soil excavation in June 2020, looking south.



Photograph 2. Area 7 petroleum-contaminated soil excavation in June 2020, looking northeast.



Photograph 3. Area 6 petroleum-contaminated soil excavation in September 2020, looking north.



Photograph 4. Area 11 stormwater utility installation trenching in September 2020, looking northeast.



Photograph 5. Area 11 UST decommissioning activities in October 2020.



Photograph 6. Area 11 Interim Action excavation proximate to former UST in October 2020.



Photograph 7. Construction Stormwater Pond 3 in the central portion of the Site in May 2022, looking northeast.



Photograph 8. Area 7 to Area 13 UST decommissioning and removal in August 2022.



Photograph 9. Area 7 to Area 13 Interim Action excavation proximate to former UST in the western portion of the Site in August 2022.



Photograph 10. Area 13 petroleum-contaminated soil excavation beneath the former Stormwater Pond 3 in January 2024.



Photograph 11. Area 13 brick debris excavation beneath former Stormwater Pond 1 in January 2024.



Photograph 12. Paved King County Metro training area in the northeastern portion of the Site in July 2025, looking southwest.



Photograph 13. Completed building in the northern portion of the Site in July 2025, looking northeast.



Photograph 14. Completed building and paved parking in the western portion of the Site in July 2025, looking north.

APPENDIX C
STORMWATER AND WASTEWATER PERMITTING DOCUMENTATION

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

King County
Wastewater Treatment Division
Industrial Waste Program
Department of Natural Resources and Parks
201 South Jackson Street, Suite 513
Seattle, WA 98104-3855
206-477-5300 Fax 206-263-3001
TTY Relay: 711

April 27, 2020

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Richard R. Kolpa
Prologis - Emerald Gateway
12720 Gateway Drive, Suite 110
Tukwila, WA 98166

Issuance of new Wastewater Discharge Authorization No. 1119-01 to Prologis - Emerald Gateway

Dear Mr. Kolpa:

The King County Industrial Waste Program (KCIW) has reviewed your application to discharge construction dewatering to the sewer system from the Prologis - Emerald Gateway project located at 3301 S Norfolk St., Seattle, Washington, and has issued the enclosed Minor Discharge Authorization.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). As long as you maintain compliance with regulations and do not change the nature and volume of your discharge, KCIW will not require you to apply for an industrial wastewater discharge permit, a type of approval that would result in additional requirements and increased fees.

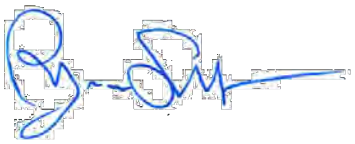
If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact KCIW at least 60 days before making these changes.

King County Code 28.84 authorizes a fee for each Minor Discharge Authorization issued by the King County Department of Natural Resources and Parks. The current fee for issuance of a new Minor Discharge Authorization is $2000. King County will send you an invoice for this amount.

If you have any questions about this discharge authorization or your wastewater discharge, please call me at 206-477-5476 or email me at Ryan.Salem@kingcounty.gov. You may also wish to visit our program's Internet pages at: www.kingcounty.gov/industrialwaste.

Thank you for helping support our mission to protect public health and enhance the environment.

Sincerely,



Ryan Salem
Compliance Investigator

Enclosures

cc: Andrew LaRue, Valley View Sewer District

King County

MINOR DISCHARGE AUTHORIZATION
King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855

NUMBER 1119-01
for

Prologis - Emerald Gateway

Site address: 3301 S Norfolk St.
Seattle, Washington

Mailing address: 12720 Gateway Drive, Suite 110
Tukwila, WA 98166

Phone: 206-414-7610

Emergency (24-hour) phone: 425-412-5665

Industry type: Construction Dewatering

Discharge to: West Point

*Note: This authorization is valid only for the specific discharges shown below:

Discharge process: Wastewater generated by Construction Dewatering operation

Pretreatment process: Gravity Separation

Maximum discharge volume: 115,000 gallons per day
Maximum discharge rate: 200 gallons per minute

Effective date: April 29, 2020
Expiration date: November 1, 2020

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 90 days prior to the expiration date. For information concerning this King County Discharge Authorization please call Industrial Waste Compliance Investigator Ryan Salem at 206-477-5476.

24-HOUR EMERGENCY NOTIFICATION
West Point Treatment Plant: 206-263-3801
Washington State Department of Ecology: 425-649-7000

SPECIAL CONDITIONS

A. In accordance with Valley View Sewer District requirements the discharge point will be an existing side sewer on the property.

B. No later than May ,15, 2020, the permittee must submit a list of Prologis - Emerald Gateway and contractor personnel responsible for dewatering activities, including operation and maintenance of the wastewater treatment system and monitoring of the discharge to the sanitary sewer. The list shall include the site contacts' name, title, company, and phone numbers (office and cell).

C. Discharge to the sanitary sewer shall not begin until KCIW has conducted a preoperative inspection of the pretreatment facilities and has sent written notification (email is sufficient) to the permittee that discharges may begin.

D. All persons responsible for monitoring the discharge to the sanitary sewer shall review a copy of this authorization.

E. A copy of this authorization shall be on site at all times for review and reference.

F. This authorization grants the discharge of limited amounts of wastewater from the following waste streams:

1. Dewatering from soil remediation
2. Demolition/concrete crushing

Wastes or contaminants from sources other than permitted herein shall not be discharged to the sanitary sewer without prior approval from KCIW.

G. If concentrations of nonpolar FOG, benzene, toluene, ethylbenzene, or total xylenes exceed the limits listed in the General Discharge Limitations section below, KCIW may require the installation of the contingency treatment system components detailed in Exhibit B of the Individual Authorization Application for Construction Dewatering submitted on March 13, 2020.

H. The discharge shall not cause hydraulic overloading conditions of the sewerage conveyance system. If rainfall exceeds one half inch during a 24-hour period, the discharge rate shall be limited to 50 gallons per minute until the running 24-hour total drops below one half inch. During periods of peak hydraulic loading KCIW and Seattle Public Utilities representatives reserve the authority to request that discharge to the sewer be stopped.

I. All wastewater shall be collected and treated in accordance with treatment methods approved by KCIW. Wastewater shall not bypass treatment systems. Modifications to wastewater treatment systems shall not occur without prior approval from KCIW.

J. Totalizing and non-resettable flow meters must be installed on all permitted discharge pipes to the sewer.

K. An accessible sampling spigot must be installed on the discharge pipe from the last treatment unit of the wastewater treatment system. The sample site shall be representative of all industrial waste streams discharged to the sewer from this site. Each sample site shall be accessible to KCIW representatives when discharge to the sewer is occurring.

L. The contractor shall implement erosion control best management practices to minimize the amount of solids discharged to the sanitary sewer system. As a minimum precaution, the wastewater must be pumped to an appropriately sized settling tank(s) prior to entering the sewer system.

M. The permittee shall properly operate and maintain all wastewater treatment units to ensure compliance with established discharge limits. Solids accumulation in tanks used for solids settling shall not exceed 25 percent of the tank's working hydraulic capacity. Each tank's working hydraulic capacity is based on the water column height as measured from the bottom of the tank to either the invert elevation of the tank's outlet pipe (gravity discharges) or discharge pump intake (pumped discharges).

N. Results of all required self-monitoring sampling must be recorded daily. Recorded information for each discharge site must include:

1. Sample date
2. Sample time
3. Sample results
4. Operator name
5. Comments (if applicable)

These records shall be maintained on site and shall be available for review by KCIW personnel during normal business hours.

O. The permittee must establish a sewer account with Valley View Sewer District and provide necessary reports to ensure accurate assessment of sewer charges for all construction dewatering discharge sites associated with this project.

SELF-MONITORING REQUIREMENTS

A. The following self-monitoring requirements shall be met for this discharge authorization:

Parameter	Frequency	Sample Type/Method
Discharge volume	Daily	In-line flow meter
Discharge rate	Daily	In-line flow meter
Settleable solids	Daily	Grab by Imhoff cone
pH	Daily	Hand-held meter
Nonpolar FOG	Twice per Month	3 Grabs
Benzene	Twice per Month	Grab
Toluene	Twice per Month	Grab
Ethylbenzene	Twice per Month	Grab
Total xylenes	Twice per Month	Grab

B. The settleable solids field test by Imhoff cone must be performed as follows:

1. Fill cone to one-liter mark with well-mixed sample
2. Allow 45 minutes to settle
3. Gently stir sides of cone with a rod or by spinning; settle 15 minutes longer
4. Record volume of settleable matter in the cone as ml/L

C. The three nonpolar fats, oils, and grease (FOG) grab samples shall be of equal volume, collected at least five minutes apart, and analyzed separately. When using U.S. Environmental Protection Agency approved protocols specified in 40 CFR Part 136, the individual grab samples may be composited (at the laboratory) prior to analysis. The result of the composite sample or the average of the concentrations of the three grab samples may be reported as Total FOG unless the value is 100 mg/L or greater, in which case the concentration of nonpolar FOG must be reported.

D. If a violation of any discharge limits or operating criteria is detected in monitoring, you shall notify KCIW immediately upon receipt of analytical data.

E. You shall submit an end-of project self-monitoring report (form enclosed) within 15 days from completion of all construction dewatering activities to the sewer or by **November 15, 2020**, whichever comes first. The report must contain results of required self-monitoring and total volume discharged to the sewer.

F. All self-monitoring data submitted to KCIW, which required a laboratory analysis, must have been performed by a laboratory accredited by the Washington State Department of Ecology for each parameter tested, using procedures approved by 40 CFR 136. This does not apply to field measurements performed by the industrial user such as pH, temperature, flow, atmospheric hydrogen sulfide, total dissolved sulfides, total settleable solids by Imhoff cone, or process control information.

G. All sampling data collected by the permittee and analyzed using procedures approved by 40 CFR 136, or approved alternatives, shall be submitted to KCIW whether required as part of this authorization or done voluntarily by the permittee.

H. Self-monitoring reports shall be signed by an authorized representative of the industrial user. The authorized representative of the industrial user is defined as:

1. The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation

2. The manager of one or more manufacturing, production, or operating facilities, but only if the manager:

    a. Is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations
    b. Can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements and knowledgeable of King County reporting requirements
    c. Has been assigned or delegated the authority to sign documents, in accordance with corporate procedures

3. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively

4. A director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency

5. The individuals described in one through four above may designate an authorized representative if:

    a. The authorization is submitted to King County in writing
    b. The authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company or agency

GENERAL DISCHARGE LIMITATIONS

Operating criteria

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify KCIW at 206-477-5300.

Corrosive substances

Limits

Maximum:	pH 12.0 (s.u.)
Instantaneous minimum[1]:	pH 5.0 (s.u.)
Daily minimum[2]:	pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than 5 percent NaOH by weight or greater than pH 12.0 are prohibited unless authorized by KCIW and subject to special conditions to protect worker safety, the collection system, and treatment works.

Fats, oils, and grease

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Dischargers of polar FOG (oil and grease from animal and/or vegetable origin) shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for the purpose of emulsifying free-floating FOG.

Nonpolar FOG limit: 100 mg/L

The limit for nonpolar FOG is violated when the arithmetic mean of the concentration of three grab samples, taken no more frequently than at five minute intervals, or when the results of a composite sample exceed the limitation.

[1] The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0.

[2] The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Flammable or explosive materials

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than 5 percent nor any single reading be more than 10 percent of the lower explosive limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, the fire department, Washington State, or the U.S. Environmental Protection Agency has notified the user are a fire hazard or a hazard to the system.

Petroleum Compounds	Maximum Concentration ppm (mg/L)
Benzene	0.07
Ethylbenzene	1.7
Toluene	1.4
Total xylenes	2.2

Heavy metals/cyanide

The industrial user shall not discharge wastes, which exceed the following limitations:

Heavy Metals & Cyanide	Instantaneous Maximum ppm (mg/L)[1]	Daily Average ppm (mg/L)[2]
Arsenic	4.0	1.0
Cadmium	0.6	0.5
Chromium	5.0	2.75
Copper	8.0	3.0
Lead	4.0	2.0
Mercury	0.2	0.1
Nickel	5.0	2.5
Silver	3.0	1.0
Zinc	10.0	5.0
Cyanide	3.0	2.0

[1]The instantaneous maximum is violated whenever the concentration of any sample, including a grab within a series used to calculate daily average concentrations, exceeds the limitation.

[2]The daily average limit is violated: a) for a continuous flow system when a composite sample consisting of four or more consecutive samples collected during a 24-hour period over intervals of 15 minutes or greater exceeds the limitation, or b) for a batch system when any sample exceeds the limitation. A composite sample is defined as at least four grab samples of equal volume taken throughout the processing day from a well-mixed final effluent chamber, and analyzed as a single sample.

High temperature

The industrial user shall not discharge material with a temperature in excess of 65° C (150° F).

Hydrogen sulfide

Atmospheric hydrogen sulfide: 10.0 ppm
(As measured at a monitoring maintenance hole designated by KCIW)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

Organic compounds

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (total toxic organics [TTO] definition), acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

Settleable solids

Settleable solids concentrations: 7.0 ml/L

GENERAL CONDITIONS

A. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this discharge authorization.

B. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the municipal sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the municipal sewer system, and spill response equipment.

C. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your KCIW representative. Any changes that will cause the violation of the effluent limitations specified herein will not be allowed.

D. In the event the permittee is unable to comply with any of the conditions of this discharge authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:

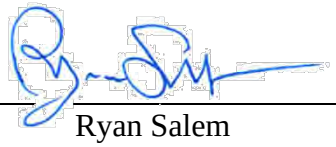
1. Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem.
2. Immediately notify KCIW and, if after 5 p.m. weekdays and on weekends, call the emergency King County treatment plant phone number on Page 1 so steps can be taken to prevent damage to the sewer system.
3. Submit a written report within 14 days of the event (*14-Day Report*) describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.

E. Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of the discharge authorization or the resulting liability for failure to comply.

F. The permittee shall, at all reasonable times, allow authorized representatives of KCIW to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this authorization.

G. Nothing in this discharge authorization shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Washington State Department of Ecology.

H. This discharge authorization does not authorize discharge after its expiration date. If the permittee wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 90 days prior to the expiration date. If the permittee submits its reapplication in the time specified herein, the permittee shall be deemed to have an effective wastewater discharge authorization until KCIW issues or denies the new wastewater discharge authorization. If the permittee fails to file its reapplication in the time period specified herein, the permittee will be deemed to be discharging without authorization.

Compliance Investigator:  Date: April 27, 2020

Ryan Salem

King County

Industrial Waste Program Self-Monitoring Report

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info.KCIW@kingcounty.gov

Project Name: Prologis - Emerald Gateway **Authorization No.:** 1119-01

Project Location: 3301 S Norfolk St., Seattle

Sample Date	pH (s.u.)		Settleable Solids (mL/L)	Nonpolar FOG (mg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)		Discharge Volume (gallons)	Name or initials of person collecting and recording samples and volume each day. If permitted for relief only, explain why you did not discharge to surface water for each day of discharge.
	Min.	Max.									

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000
711 for Washington Relay Service • Persons with a speech disability can call (877) 833-6341

April 27, 2020

Darren Peugh
JR Hayes & Sons
22430 SE 231st St.
Maple Valley, WA 98038-8272

Order Docket No.	18101
Site Location	Prologis Emerald Gateway Sec S Norfolk St and E Marginal Way S Seattle, WA 98168

Re: Administrative Order

Dear Darren Peugh:

The Department of Ecology (Ecology) has issued the enclosed Administrative Order (Order) requiring JR Hayes & Sons to comply with:

- Chapter 90.48 Revised Code of Washington (RCW) – State of Washington Water Pollution Control Act.
- Chapter 173-201A Washington Administrative Code (WAC) – Water Quality Standards for Surface Waters of the State of Washington.
- National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit, Permit Number WAR308823.

If you have questions please contact Mathew Kwartin at 425-649-4484 or mkwa461@ecy.wa.gov.

Sincerely,

Rachel McCrea

Rachel McCrea
Water Quality Section Manager
Northwest Regional Office

Sent by Certified Mail: 9171 9690 0935 0232 6490 98

Enclosures: Administrative Order Docket No.18101

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

IN THE MATTER OF AN ADMINISTRATIVE ORDER AGAINST JR Hayes & Sons	)))))	ADMINISTRATIVE ORDER DOCKET NO. 18101

To: Darren Peugh
JR Hayes & Sons
22430 SE 231st St
Maple Valley, WA 98038-8272

Order Docket No.	18101
Site Location	Prologis Emerald Gateway Sec S Norfolk St and E. Marginal Way S Seattle, WA 98168

The Washington State Department of Ecology (Ecology) has issued this Administrative Order (Order) requiring JR Hayes & Sons to comply with:

- Chapter 90.48 Revised Code of Washington (RCW) – State of Washington Water Pollution Control Act.
- Chapter 173-201A Washington Administrative Code (WAC) – Water Quality Standards for Surface Waters of the State of Washington.
- Permit: National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit WAR 308823.

This is an Administrative Order in accordance with General Condition G13 (Additional Monitoring) as set forth in the Construction Stormwater General Permit. RCW 90.48.120(2) RCW authorizes Ecology to issue Administrative Orders to accomplish the purposes of Chapter 90.48 RCW.

ORDER TO COMPLY

Background and associated corrective actions:

JR Hayes & Sons has received coverage under the Construction Stormwater General Permit (CSWGP) No. WAR308823, for construction activities associated with the construction site known as Prologis Emerald Gateway. The project consists of the demolition and removal of several existing structures, excavation and extensive grading including several feet of additional fill material raising grade by up to 10 feet in areas, and construction of new buildings and new utilities. The receiving water bodies will be the existing storm system on East Marginal Way, with discharge into the Duwamish River. JR Hayes & Sons reported that part of the construction site contains contaminated soil/groundwater which contains pollutants that may be discharged due to the proposed construction activity. The CSWGP does not have water quality sampling or benchmarks for the known constituents of concern listed in Table 1; however, the permit requires compliance with the Chapter 173-201A Washington Administrative Code (WAC) – Water Quality Standards for Surface Waters of the State of Washington (WAC 173-201A).

The Order establishes Indicator Levels for the JR Hayes & Sons project. Indicator Levels express a pollutant concentration used as a threshold, below which a pollutant is considered unlikely to cause a water quality violation, and above which it may. Indicator Levels in this Administrative Order were derived from WAC 173-201A and the analytical method's minimum quantitation level, as well as an additional consideration for the Duwamish River's water quality impairments for PCBs and the associated ongoing superfund site source control program..

For these reasons and in accordance with RCW 90.48.120(2) it is ordered that JR Hayes & Sons take the following actions. These actions are required at the location known as the Prologis Emerald Gateway located at Sec S Norfolk St and E Marginal Way S, Seattle, WA 98168. In the event of a permit transfer to another Permittee, compliance with this Administrative Order and the actions listed below is required.

Immediately upon receipt of this Order and continuously thereafter JR Hayes & Sons must:

- Install all pre-treatment and treatment systems prior to any discharge of contaminated dewatering water or contaminated construction stormwater to the receiving water body.
- Capture, contain, and treat all contaminated dewatering or contaminated stormwater prior to discharge to the receiving water body.
- Use an Ecology-approved treatment system and media filtration to treat any contaminated dewatering water or contaminated stormwater. Ecology must be notified in advance if any changes in the treatment are made, with the exception of routine maintenance.
- All captured sediment from the treatment of the dewatering water or contaminated stormwater must be transported to an approved disposal facility based on the level of contamination.

The treatment system must have enough capacity to hold the treated dewatering water or stormwater until it has been tested to determine if any of the Indicator Levels listed in Table 1 have been exceeded. No dewatering water or stormwater may be discharged before it has been tested for the parameters listed in Table 1. If any of the Indicator Levels listed in Table 1 are exceeded, the treated dewatering water or stormwater must not be discharged to the receiving water body. The treated dewatering water or stormwater may be discharged to the receiving water body if it has been treated and retested to determine that all parameters are equal to or below the Indicator Levels listed in Table 1. If any of the Indicator Levels are exceeded after being retested, JR Hayes & Sons shall truck the contaminated storm or groundwater off-site for disposal in an approved manner. JR Hayes & Sons may also discharge to sanitary sewer if authorization from the proper sewer authority has been obtained and Ecology is notified of the change.

Once the effectiveness of the treatment system has been determined, JR Hayes & Sons may revert to a flow-through treatment system after the minimum two sampling and testing events and upon written approval from Ecology. The flow-through treatment system design must be submitted to Ecology for review prior to use.

- If a flow-through treatment system is adopted, all dewatering water or contaminated stormwater must be sampled weekly while discharging and tested for the parameters listed in Table 1.
- When using a flow-through treatment system, if any of the Indicator Levels listed in Table 1 are exceeded, JR Hayes & Sons must stop the discharge of treated dewatering

water or stormwater to the receiving water body until it has been retested to determine that all parameters are equal to or below the Indicator Levels in Table 1. If any of the Indicator Levels are exceeded after being retested, JR Hayes & Sons shall modify the existing flow-through treatment system to increase its effectiveness or install an Ecology-approved treatment system or truck the contaminated stormwater or groundwater off-site for disposal in an approved manner.

- Sampling for the contaminants listed in Table 1 must be reported on the required Discharge Monitoring Report (DMR) according to Permit Conditions (S5.B Discharge Monitoring Reports).
- If sampling is conducted more frequently than required by this Order, the results of this monitoring must be included in the calculation and reporting of the data that is submitted in the Discharge Monitoring Reports (DMRs).
- Any discharge to waters of the state in exceedance of the contaminant Indicator Levels in Table 1 except for pH criteria shall be reported according to Permit Condition S5.F, Noncompliance Notification as follows:
    - Immediately notify Ecology of noncompliance by calling the regional 24-hour Environmental Report Tracking System (ERTS) phone number (425) 649-7000.
    - Cease the discharge until indicator levels can be met.
    - Submit a detailed, written report to Ecology within five (5) days, unless requested earlier by Ecology. See Permit condition S5.F.3 for Noncompliance Notification requirements.
- All samples must be analyzed by a laboratory registered or accredited under the provisions of Accreditation of Environmental Laboratories, Chapter 137-50 WAC.
- All sampling data must be reported monthly on Discharge Monitoring Reports (DMRs) electronically using Ecology's secure online system WQWebDMR, in accordance to Permit Condition S5.B. If the measured concentration is below the detection level, then JR Hayes & Sons shall report single analytical values below detection as "less than the detection level (DL)" by entering "<" followed by the numeric value of the detection level (e.g. "<0.1"). All other values above DL must be reported as the numeric value.
- Contaminated soils excavated during construction will be hauled off-site without stockpiling to an approved disposal facility based on the level of contamination. When it is not feasible to haul soils off-site, the soils must be covered or placed in a covered area to minimize contact with stormwater.
- Noncompliance with permit requirements or the provisions of this Order must be immediately reported to the Northwest Regional Office of the Department of Ecology in accordance with Permit Condition S5.F, Noncompliance Notification.
- If a modification of the Order is desired, a written request shall be submitted to Ecology and if approved, Ecology will issue an amendment to this Order.

Ecology retains the right to make modifications to this Order through supplemental Order, or amendment to this Order, it if appears necessary to further protect the public interest.

This Order does not exempt JR Hayes & Sons from any Construction Stormwater General Permit requirement.

Table 1.

JR Hayes & Sons must use the specified analytical methods, detection limits (DLs) and quantitation levels (QLs) in the following table for monitoring unless the method used produces measurable results in the sample and EPA has listed it as an EPA-approved method in 40 CFR Part 136. If JR Hayes & Sons uses an alternative method, not specified in the order and as allowed above, it must report the test method, DL, and QL on the discharge monitoring report.

Pollutant (CAS No. if available)	Sampling Frequency	Sample Type	Indicator Level, µg/L unless otherwise noted	Required Analytical Protocol	Detection Level, µg/L	Quantitation Level, µg/L
PETROLEUM HYDROCARBONS						
Diesel and Oil-Range Hydrocarbons (NWTPH-Dx) [e]	Batch/ Weekly*	Grab	250 [a]	NWTPH-Dx	250	250
Gasoline-Range Hydrocarbons (NWTPH-Gx) [j]	Batch/ Weekly*	Grab	250 [a]	NWTPH-Gx	250	250
BTEX (benzene, toluene, ethylbezene and O,M,P xylenes)	Batch/ Weekly*	Grab	2.0 [a]	EPA SW 846 8021/ 8260	1.0	2.0
METALS						
Arsenic, Total (7440-38-2)	Batch/ Weekly*	Grab	69 [c]	200.8	0.1	0.5
Cadmium, Total (7440-43-9)	Batch/ Weekly*	Grab	42 [c]	200.8	0.05	0.25
Chromium, Total (7440-47-3)	Batch/ Weekly*	Grab	1100 [d]	200.8	0.2	1.0
Copper, Total (7440-50-8)	Batch/ Weekly*	Grab	4.8 [c]	200.8	0.4	2.0
Lead, Total (7439-94-6)	Batch/ Weekly*	Grab	210 [c]	200.8	0.1	0.5
Mercury, Total (7439-97-6)	Batch/ Weekly*	Grab	1.8 [c]	1631E	0.2 ng/L	0.5 ng/L
Manganese, Total (7439-96-5)	Batch/ Weekly*	Grab	0.5 [a]	200.8	0.1	0.5
Zinc, Total (7440-66-6)	Batch/ Weekly*	Grab	90 [c]	200.8	0.5	2.5
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)						
1-Methylnapthalene (90-12-0)	Batch/ Weekly*	Grab	0.01 [a]	8270	0.01	0.01
2-Methylnapthalene (91-57-6)	Batch/ Weekly*	Grab	0.01 [a]	8270	0.01	0.01
Benzo(g,h,i)perylene (191-24-2)	Batch/ Weekly*	Grab	12.3 [a]	610/625.1	4.1	12.3
Benzo(a)anthracene (56-55-3)	Batch/ Weekly*	Grab	23.4 [a]	625.1	7.8	23.4
Dibenzo(a-h)anthracene (53-70-3)	Batch/ Weekly*	Grab	7.5 [a]	625.1	2.5	7.5
Fluoranthene (206-44-0)	Batch/ Weekly*	Grab	6.6 [a]	625.1	2.2	6.6
Fluorene (86-73-7)	Batch/ Weekly*	Grab	5.7 [a]	625.1	1.9	5.7

Pollutant (CAS No. if available)	Sampling Frequency	Sample Type	Indicator Level, µg/L unless otherwise noted	Required Analytical Protocol	Detection Level, µg/L	Quantitation Level, µg/L
Napthalene (91-20-3)	Batch/ Weekly*	Grab	4.8 [a]	625.1	1.6	4.8
Phenanthrene (85-01-8)	Batch/ Weekly*	Grab	16.2 [a]	625.1	5.4	16.2
Indeno(1,2,3-cd)pyrene (193-39-5)	Batch/ Weekly*	Grab	11.1 [a]	610/625.1	3.7	11.1
Chrysene (218-01-9)	Batch/ Weekly*	Grab	7.5 [a]	610/625.1	2.5	7.5
POLYCHLORINATED BIPHENYLS (PCBs)						
PCBs, Total [f]	Batch/ Weekly*	Grab	0.016 [b]	8082A (Update V)	0.016 [b]	0.016 [b]
VOLATILE ORGANIC COMPOUNDS (VOCs)						
bis(2-ethylhexyl)phthalate (117-81-7)	Batch/ Weekly*	Grab	7.5 [a]	625.1	2.5	7.5
Butylbenzylphthalate (85-68-7)	Batch/ Weekly*	Grab	7.5 [a]	625.1	2.5	7.5
Diethyl phthalate (84-66-2)	Batch/ Weekly*	Grab	5.7 [a]	625.1	1.9	5.7
Dimethyl phthalate (131-11-3)	Batch/ Weekly*	Grab	4.8 [a]	625.1	1.6	4.8
N-nitrosodiphenylamine (86-30-6)	Batch/ Weekly*	Grab	2.0 [a]	625.1	1.0	2.0
Chloroform (67-66-3)	Batch/ Weekly*	Grab	4.8 [a]	624.1	1.6	4.8
1,2 Dichlorobenzene (95-50-1)	Batch/ Weekly*	Grab	7.6 [a]	625.1	1.9	7.6
1,4 Dichlorobenzene (106-46-7)	Batch/ Weekly*	Grab	17.6 [a]	624.1	4.4	17.6
1,2,4-Trimethylbenzene (95-63-6)	Batch/ Weekly*	Grab	1.0 [a]	EPA 624/8260	1.0	1.0

Construction Stormwater General Permit Benchmarks				
Parameter	**Sampling Frequency**	**Sample Type**	**Benchmark**	**Analytical Method**
Turbidity	Batch/ Weekly*	Grab	25 NTU	SM2130 [g]
pH	Batch/ Weekly*	Grab	6.5 - 8.5 SU	SM4500-H^+ B

NOTES	
[a]	No applicable surface water criterion; value is laboratory quantitation level.
[b]	Value is the Lowest Level of Quantitation (LLOQ) for water samples for PCBs by EPA Method 8082A, Update V.
[c]	Acute – Marine Water Toxic Substances Criteria (WAC 173-201A-240).
[d]	Indicator Level total chromium is actually for hexavalent chromium using Acute – Marine Water Toxic Substances Criteria (WAC 173-201A-240) because there is no water quality standard for total chromium.
[e]	NWTPH-Dx = Northwest Total Petroleum Hydrocarbons – Semi-volatile (“diesel”) for diesel range organics and heavy oils (includes jet fuels, kerosene, diesel-oils, hydraulic fluids, mineral oils, lubricating oils, and fuel oils).

f	Total PCBs are the sum of all congener or all isomer or homolog or Aroclor analyses.
g	Or equivalent.
j	NWTPH-Gx = Northwest Total Petroleum Hydrocarbons – Volatile petroleum products including aviation and automotive gasolines, mineral spirits, Stoddard solvent, and naphtha.
*	If permission is granted for flow through, sampling will then be weekly

FAILURE TO COMPLY WITH THIS ORDER

Failure to comply with this Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

YOUR RIGHT TO APPEAL

You have a right to appeal this Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do both of the following within 30 days of the date of receipt of this Order:

- File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this Order on Ecology in paper form – by mail or in person (see addresses below). Email is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Your appeal alone will not stay the effectiveness of this Order. Stay requests must be submitted in accordance with RCW 43.21B.320.

ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	**Department of Ecology** Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
Pollution Control Hearings Board 1111 Israel Road SW Suite 301 Tumwater, WA 98501	**Pollution Control Hearings Board** PO Box 40903 Olympia, WA 98504-0903

CONTACT INFORMATION

Please direct all questions about this Order to:

Mathew Kwartin
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

Phone: (425) 649 - 4484
Email: mkwa461@ecy.wa.gov

MORE INFORMATION

- **Pollution Control Hearings Board Website:** www.eho.wa.gov/Boards_PCHB.aspx
- **Chapter 43.21B RCW – Environmental Hearings Office – Pollution Control Hearings Board:** http://apps.leg.wa.gov/RCW/default.aspz?cite=43.21B
- **Chapter 371-08 WAC – Practice and Procedure:** http://apps.leg.wa.gov/WAC/default.aspx?cite=371-08
- **Chapter 34.05 RCW – Administrative Procedure Act:** http://apps.leg.wa.gov/RCW/default.aspx?cite=34.05
- **Laws:** www.ecy.wa.gov/laws-rules/ecyrcw.html
- **Rules:** www.ecy.wa.gov/laws-rules/ecywac.html

SIGNATURE

Rachel McCrea

Rachel McCrea
Water Quality Section Manager
Northwest Regional Office
Washington State Department of Ecology

4/27/2020
Date

RECOMMENDATION FOR ENFORCEMENT ACTION
WATER QUALITY PROGRAM

Northwest Regional Office

RFE for Order Docket No. 18101

Date: March 13, 2020

From: Mathew Kwartin

____Mathew Kwartin_____
Enforcement Specialist

RECOMMEND ENFORCEMENT ACTION BE TAKEN:

I. Against:

JR Hayes & Sons
(Company)

Darren Peugh
(Responsible Official)

II. Location:

Site location:
Sec S Norfolk St and E. Marginal Way S
Seattle, WA 98168

Mailing address:
22430 SE 231st St.
Maple Valley, WA 98038-8272

III. Type of Action:

[ ] A. Penalty, RCW 90.48.144

[ ] B. Notice of Violation, RCW 90.48.120 (1)

[ ] C. Follow-up Order, RCW 90.48.120(1)

[ ] D. Immediate Action Order, RCW 90.48.120(2)

[ ] E. Amendment of Action

[X] F. Other (specify authority) Administrative Order

IV. Nature of Violation:

[ ] 1) Unlawful Discharge of Polluting Matter into Waters of the State, RCW 90.48.080.

[ ] 2) Violation of the Terms of a Waste Discharge Permit Issued under RCW 90.48.160, 90.48.180 or 90.48.260 through 90.48.262.

[ ] 3) Discharging Pollutants Without a Permit Authorized under RCW 90.48.160, 90.48.180, or 90.48.260 through 90.48.262.

[ ] 4) Violation of the Terms of a Regulatory Order or other provisions of RCW 90.48.

[ ] 5) Agricultural Discharges, RCW 90.48.450. Has consideration been given to the effect of the action on conversion of agricultural to nonagricultural uses? _____. If yes, what attempts have been made to minimize the possibility of such conversion? (Water Quality Program Policy #1-05)

[X] 6) Other: CSWGP contaminated site Order

V. Name of Watercourse Involved:

Duwamish River and existing storm system on E. Marginal Way S.

VI. Background:

JR Hayes & Sons has received coverage under the Construction Stormwater General Permit (CSWGP) No. WAR308823 for construction activities associated with the construction site known as Prologis Emerald Gateway. The project consists of the demolition and removal of several existing structures, excavation and extensive grading including several feet of additional fill material raising grade by up to 10 feet in areas, and construction of new buildings and utilities. The receiving water bodies will be the existing storm system on East Marginal Way, with discharge into the Duwamish River. JR Hayes & Sons reported that part of the construction site contains contaminated soil/groundwater which contains pollutants that may be discharged due to the proposed construction activity. The CSWGP does not have water quality sampling or benchmarks for the known constituents of concern listed in Table 1; however, the permit requires compliance with the Chapter 173-201A Washington Administrative Code (WAC) – Water Quality Standards for Surface Waters of the State of Washington (Chapter 173-201A WAC).

The Order establishes Indicator Levels for the JR Hayes & Sons project. Indicator Levels express a pollutant concentration used as a threshold, below which a pollutant is considered unlikely to cause a water quality violation, and above which it may. Indicator Levels in this Administrative Order were derived from Chapter 173-201A WAC and the analytical method's minimum quantitation level, as well as an additional consideration for the Duwamish River's water quality impairments for PCBs and the associated ongoing superfund site source control program.

Table 1.

JR Hayes & Sons must use the specified analytical methods, detection limits (DLs), and quantitation levels (QLs) in the following table for monitoring unless the method used produces measurable results in the sample and EPA has listed it as an EPA-approved method in 40 CFR Part 136. If JR Hayes & Sons uses an alternative method, not specified in the order and as allowed above, it must report the test method, DL, and QL on the discharge monitoring report.

Pollutant (CAS No. if available)	Sampling Frequency	Sample Type	Indicator Level, µg/L unless otherwise noted	Required Analytical Protocol	Detection Level, µg/L	Quantitation Level, µg/L
PETROLEUM HYDROCARBONS						
Diesel and Oil-Range Hydrocarbons (NWTPH-Dx) [e]	Batch/ Weekly*	Grab	250 [a]	NWTPH-Dx	250	250
Gasoline-Range Hydrocarbons (NWTPH-Gx) [j]	Batch/ Weekly*	Grab	250 [a]	NWTPH-Gx	250	250

Pollutant (CAS No. if available)	Sampling Frequency	Sample Type	Indicator Level, µg/L unless otherwise noted	Required Analytical Protocol	Detection Level, µg/L	Quantitation Level, µg/L
BTEX (benzene, toluene, ethylbezene and O,M,P xylenes)	Batch/ Weekly*	Grab	2.0 [a]	EPA SW 846 8021/ 8260	1.0	2.0
METALS						
Arsenic, Total (7440-38-2)	Batch/ Weekly*	Grab	69 [c]	200.8	0.1	0.5
Cadmium, Total (7440-43-9)	Batch/ Weekly*	Grab	42 [c]	200.8	0.05	0.25
Chromium, Total (7440-47-3)	Batch/ Weekly*	Grab	1100 [d]	200.8	0.2	1.0
Copper, Total (7440-50-8)	Batch/ Weekly*	Grab	4.8 [c]	200.8	0.4	2.0
Lead, Total (7439-94-6)	Batch/ Weekly*	Grab	210 [c]	200.8	0.1	0.5
Mercury, Total (7439-97-6)	Batch/ Weekly*	Grab	1.8 [c]	1631E	0.2 ng/L	0.5 ng/L
Manganese, Total (7439-96-5)	Batch/ Weekly*	Grab	0.5 [a]	200.8	0.1	0.5
Zinc, Total (7440-66-6)	Batch/ Weekly*	Grab	90 [c]	200.8	0.5	2.5
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)						
1-Methylnapthalene (90-12-0)	Batch/ Weekly*	Grab	0.01 [a]	8270	0.01	0.01
2-Methylnapthalene (91-57-6)	Batch/ Weekly*	Grab	0.01 [a]	8270	0.01	0.01
Benzo(g,h,i)perylene (191-24-2)	Batch/ Weekly*	Grab	12.3 [a]	610/625.1	4.1	12.3
Benzo(a)anthracene (56-55-3)	Batch/ Weekly*	Grab	23.4 [a]	625.1	7.8	23.4
Dibenzo(a-h)anthracene (53-70-3)	Batch/ Weekly*	Grab	7.5 [a]	625.1	2.5	7.5
Fluoranthene (206-44-0)	Batch/ Weekly*	Grab	6.6 [a]	625.1	2.2	6.6
Fluorene (86-73-7)	Batch/ Weekly*	Grab	5.7 [a]	625.1	1.9	5.7
Napthalene (91-20-3)	Batch/ Weekly*	Grab	4.8 [a]	625.1	1.6	4.8
Phenanthrene (85-01-8)	Batch/ Weekly*	Grab	16.2 [a]	625.1	5.4	16.2
Indeno(1,2,3-cd)pyrene (193-39-5)	Batch/ Weekly*	Grab	11.1 [a]	610/625.1	3.7	11.1
Chrysene (218-01-9)	Batch/ Weekly*	Grab	7.5 [a]	610/625.1	2.5	7.5
POLYCHLORINATED BIPHENYLS (PCBs)						
PCBs, Total [f]	Batch/ Weekly*	Grab	0.016 [b]	8082A (Update V)	0.016 [b]	0.016 [b]
VOLATILE ORGANIC COMPOUNDS (VOCs)						
bis(2-ethylhexyl)phthalate (117-81-7)	Batch/ Weekly*	Grab	7.5 [a]	625.1	2.5	7.5

Pollutant (CAS No. if available)	Sampling Frequency	Sample Type	Indicator Level, µg/L unless otherwise noted	Required Analytical Protocol	Detection Level, µg/L	Quantitation Level, µg/L
Butylbenzylphthalate (85-68-7)	Batch/ Weekly*	Grab	7.5 [a]	625.1	2.5	7.5
Diethyl phthalate (84-66-2)	Batch/ Weekly*	Grab	5.7 [a]	625.1	1.9	5.7
Dimethyl phthalate (131-11-3)	Batch/ Weekly*	Grab	4.8 [a]	625.1	1.6	4.8
N-nitrosodiphenylamine (86-30-6)	Batch/ Weekly*	Grab	2.0 [a]	625.1	1.0	2.0
Chloroform (67-66-3)	Batch/ Weekly*	Grab	4.8 [a]	624.1	1.6	4.8
1,2 Dichlorobenzene (95-50-1)	Batch/ Weekly*	Grab	7.6 [a]	625.1	1.9	7.6
1,4 Dichlorobenzene (106-46-7)	Batch/ Weekly*	Grab	17.6 [a]	624.1	4.4	17.6
1,2,4-Trimethylbenzene (95-63-6)	Batch/ Weekly*	Grab	1.0 [a]	EPA 624/8260	1.0	1.0

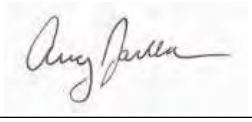
Construction Stormwater General Permit Benchmarks				
Parameter	**Sampling Frequency**	**Sample Type**	**Benchmark**	**Analytical Method**
Turbidity	Batch/ Weekly*	Grab	25 NTU	SM2130 [g]
pH	Batch/ Weekly*	Grab	6.5 - 8.5 SU	SM4500-H^+ B

NOTES	
[a]	No applicable surface water criterion; value is laboratory quantitation level.
[b]	Value is the Lowest Level of Quantitation (LLOQ) for water samples for PCBs by EPA Method 8082A, Update V.
[c]	Acute – Marine Water Toxic Substances Criteria (WAC 173-201A-240).
[d]	Indicator Level total chromium is actually for hexavalent chromium using Acute – Marine Water Toxic Substances Criteria (WAC 173-201A-240) because there is no water quality standard for total chromium.
[e]	NWTPH-Dx = Northwest Total Petroleum Hydrocarbons – Semi-volatile (“diesel”) for diesel range organics and heavy oils (includes jet fuels, kerosene, diesel-oils, hydraulic fluids, mineral oils, lubricating oils, and fuel oils).
[f]	Total PCBs are the sum of all congener or all isomer or homolog or Aroclor analyses.
[g]	Or equivalent.
[j]	NWTPH-Gx = Northwest Total Petroleum Hydrocarbons – Volatile petroleum products including aviation and automotive gasolines, mineral spirits, Stoddard solvent, and naphtha.
*	If permission is granted for flow through, sampling will then be weekly.

ENDORSEMENTS

The following actions are recommended to resolve this matter:

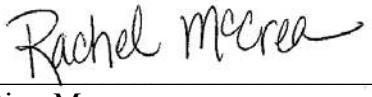
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Amy Jankowiak _____ Date_____4/24/2020_____
Compliance and Technical Assistance Unit Supervisor

Concurrence with recommended action:

_____
_____
_____
_____



Rachel McCrea_____ Date_____4/27/2020_____
Water Quality Section Manager
Northwest Regional Office
Washington State Department of Ecology

RECOMMENDATION FOR ENFORCEMENT ACTION
WATER QUALITY PROGRAM

Northwest Regional Office

RFE for Amended Order Docket No. 18248,
Amending Order Docket No. 18101

Date: August 10, 2020

From: Amy Jankowiak

_____
Compliance & Technical Assistance Unit Supervisor

RECOMMEND ENFORCEMENT ACTION BE TAKEN:

I. Against:

JR Hayes & Sons
(Company)

Darren Peugh
(Responsible Official)

II. Location:

Site location:
Sec S. Norfolk St. and E. Marginal Way S.
Seattle, WA 98168

Mailing address:
22430 SE 231st Street
Maple Valley, WA 98038-8272

III. Type of Action:

[ ] A. Penalty, RCW 90.48.144

[ ] B. Notice of Violation, RCW 90.48.120 (1)

[ ] C. Follow-up Order, RCW 90.48.120(1)

[ ] D. Immediate Action Order, RCW 90.48.120(2)

[X] E. Amendment of Action – Amendment to Order No. 18101

[ ] F. Other (specify authority)

IV. Nature of Violation:

[ ] 1) Unlawful Discharge of Polluting Matter into Waters of the State, RCW 90.48.080.

[ ] 2) Violation of the Terms of a Waste Discharge Permit Issued under RCW 90.48.160, 90.48.180 or 90.48.260 through 90.48.262.

[ ] 3) Discharging Pollutants Without a Permit Authorized under RCW 90.48.160, 90.48.180, or 90.48.260 through 90.48.262.

[ ] 4) Violation of the Terms of a Regulatory Order or other provisions of RCW 90.48.

[ ] 5) Agricultural Discharges, RCW 90.48.450. Has consideration been given to the effect of the action on conversion of agricultural to nonagricultural uses? _____. If yes, what attempts have been made to minimize the possibility of such conversion? (Water Quality Program Policy #1-05)

[X] 6) Other: CSWGP contaminated site Order

V. Name of Watercourse Involved:

Duwamish River and existing storm system on E. Marginal Way S.

VI. Background:

Administrative Order No. 18101 was issued to JR Hayes & Sons on April 27, 2020. The original Order required implementation of stormwater management requirements, with monitoring, and indicator levels for the discharge of certain pollutants at the Prologis Emerald Gateway project. Additional background and information on the original Order requirements can be found in the text of Order No. 18101.

Clear Water Services on behalf of JR Hayes & Sons, submitted a request to Ecology dated August 7, 2020, requesting modification to the indicator level for Manganese established by Administrative Order No. 18101. Clear Water Services and JR Hayes & Sons have installed three levels of treatment including CESF, GAC filtration, and absorptive media, which were able to bring the levels of Manganese down significantly, but are unable to meet the quantitation level. Applicable surface water criteria do not exist for Manganese, so the indicator levels in the original Order were set at the laboratory quantitation levels for this parameter. Manganese is a necessary nutrient for mammals and plants and we have no surface water criteria for Manganese as it is not toxic in any circumstance using the EPA Gold Book as a reference. Ecology has determined that the request to remove Manganese as a parameter in Table 1 is reasonable. If discharges of Manganese cause or contribute to a narrative standards exceedance in the receiving water body, such as aesthetics, Ecology may amend this Order.

Table 1 of the original Order No. 18101 is amended to remove Manganese with all other parameters remaining the same, and all other requirements remaining in effect.

ENDORSEMENTS

The following actions are recommended to resolve this matter:

_____
_____
_____

Amy Jankowiak _____ Date_____8/13/20_____
Compliance and Technical Assistance Unit Supervisor

Concurrence with recommended action:

_____
_____
_____

Rachel McCrea_____ Date____8/13/2020____
Water Quality Section Manager
Northwest Regional Office
Washington State Department of Ecology

APPENDIX D
TEST PIT AND WELL LOGS

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

FARALLON CONSULTING

Log of Boring: F-34

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, WA

Farallon PN: 1071-026

Logged By: G. McKenney

Date/Time Started: 04/28/21 @ 0840
Date/Time Completed: 04/28/21 @ 0915
Equipment: Geoprobe 7822
Drilling Company: AEC
Drilling Foreman: Levi Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 13
Total Boring Depth (ft bgs): 18
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.							Gravel
5		5.0-7.0': Poorly graded SAND (95% sand, 5% gravel), fine gravel, fine sand, brown, moist, no odor, no staining.	SP		60				
		7.0-8.0': SILT (90% silt, 10% sand), gray and brown, moist, faint petroleum-like and organic odor, no staining.	ML						
		8.0-10.0': No recovery.				1.1	F-34-8	X	
10		10.0-13.0': SILT (90% silt, 10% sand), brown and gray, wet, no odor, no staining.	ML		80				Bentonite
						0.5			Water Level
		13.0-14.0': Silty SAND (80% sand, 20% silt), fine sand, brown, moist, no odor, no staining.	SM						
		14.0-15.0': No recovery.				1.1	F-34-14	X	
15		15.0-18.0': Poorly graded SAND (100% sand), fine to medium sand, dark gray and dark brown, wet, no odor, no staining.	SP		60				
							F-34-18		
		18.0-20.0': No recovery.				0.1		X	
20									

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-35

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, WA

Farallon PN: 1071-026

Logged By: G. McKenney

Date/Time Started: 04/28/21 @ 0915
Date/Time Completed: 04/28/21 @ 0945
Equipment: Geoprobe 7822
Drilling Company: AEC
Drilling Foreman: Levi Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 10
Total Boring Depth (ft bgs): 20
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.							Gravel
5		5.0-7.0': Poorly graded SAND (100% sand), fine to medium sand, brown, moist, no odor, no staining.	SP		100				
		7.0-9.0': SILT (90% silt, 10% sand), brown, moist, no odor, no staining.	ML						
		9.0-10.0': SILT (90% silt, 10% sand), gray, moist, wet at 10' bgs, faint to moderate petroleum-like odor, no staining.	ML			5.8	F-35-9	X	
10		10.0-12.0': SILT (90% silt, 10% sand), gray, wet, faint to moderate petroleum-like odor, no staining.	ML		60				Water Level
		12.0-13.0': Silty SAND (80% sand, 20% silt), fine sand, brown and gray, wet, strong petroleum-like odor, staining present.	SM						Bentonite
		13.0-15.0': No recovery.				1,321	F-35-13	X	
15		15.0-17.0': Poorly graded SAND (100% sand), fine to medium sand, dark brown and dark gray, wet, faint petroleum-like odor, no staining.	SP		100				
		18.0-20.0': Poorly graded SAND (100% sand), fine to medium sand, dark brown and dark gray, wet, no odor, no staining.	SP			31.7	F-35-17		
20						4.2	F-35-20	X	

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

Log of Boring: F-36

FARALLON CONSULTING

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, WA

Farallon PN: 1071-026

Logged By: G. McKenney

Date/Time Started: 04/28/21 @ 1100
Date/Time Completed: 04/28/21 @ 1120
Equipment: Geoprobe 7822
Drilling Company: AEC
Drilling Foreman: Levi Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 12
Total Boring Depth (ft bgs): 20
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.							Gravel
5		5.0-7.0': Poorly graded SAND (100% sand), fine sand, brown, moist, no odor, no staining. Brick fragments throughout.	SP		70				
		7.0-8.5': SILT (90% silt, 10% sand), brown and gray, moist, no odor, no staining.	ML			0.6	F-36-8	X	Bentonite
		8.5-10.0': No recovery.							
10		10.0-13.0': SILT (90% silt, 10% sand), gray, wet, no odor, no staining.	ML		80				Water Level
		13.0-14.0': Silty SAND (80% sand, 20% silt), fine sand, gray, wet, no odor, no staining.	SM						
		14.0-15.0': No recovery.				0.2	F-36-14	X	
15		15.0-20.0': Poorly graded SAND (100% sand), fine to medium sand, dark brown and dark gray, wet, no odor, no staining.	SP		100				
20						0.2	F-36-20	X	

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-37

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, WA

Farallon PN: 1071-026

Logged By: G. McKenney

Date/Time Started: 04/28/21 @ 0950
Date/Time Completed: 04/28/21 @ 1020
Equipment: Geoprobe 7822
Drilling Company: AEC
Drilling Foreman: Levi Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 14
Total Boring Depth (ft bgs): 20
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.							Gravel
5		5.0-6.0': Poorly graded SAND (95% sand, 5% silt), fine sand, brown, moist, no odor, no staining.	SP		80				
		6.0-8.0': SILT (90% silt, 10% sand), brown, moist, no odor, no staining.	ML						
		8.0-9.0': SILT (90% silt, 10% sand), gray, moist, faint petroleum-like odor, no staining.	ML			18.8	F-37-8	X	
		9.0-10.0': No recovery.							Bentonite
10		10.0-14.0': SILT (90% silt, 10% sand), gray, moist, moderate petroleum-like odor, no staining.	ML		90				
		14.0-14.5': Poorly graded SAND (100% sand), fine to medium sand, dark gray and dark brown, wet, strong petroleum-like odor, no staining.	SP			1,791	F-37-14.5	X	Water Level
15		14.5-15.0': No recovery.	SP		100				
		15.0-17.0': Poorly graded SAND (100% sand), fine to medium sand, dark brown and dark gray, wet, strong petroleum-like odor, no staining.	SP			18.9			
		17.0-20.0': Poorly graded SAND (100% sand), fine to medium sand, dark brown and dark gray, wet, no odor, no staining.							
20						3.9	F-37-20	X	

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-38

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, WA

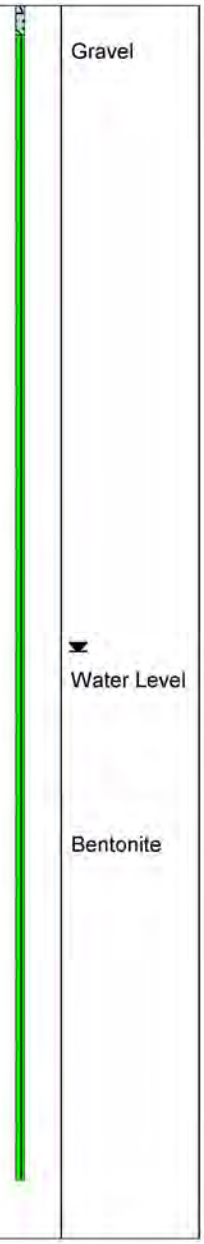
Farallon PN: 1071-026

Logged By: G. McKenney

Date/Time Started: 04/28/21 @ 1130
Date/Time Completed: 04/28/21 @ 1155
Equipment: Geoprobe 7822
Drilling Company: AEC
Drilling Foreman: Levi Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 11
Total Boring Depth (ft bgs): 20
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed
0	0.0-5.0': Air knife to 5' bgs for utilities.					
5	5.0-8.5': Poorly graded SAND (95% sand, 5% gravel), fine sand, brown and mottled orange, moist, no odor, no staining. 3" of interbedding sand and silt at lower contact.	SP	80			
	8.5-9.0': SILT (100% silt), tan, moist, no odor, no staining.	ML		0.2	F-38-8.5	X
	9.0-10.0': No recovery.					
10	10.0-13.0': SILT (100% silt), gray, wet, strong petroleum-like odor, gray and dark gray staining present.	ML	80	600.2	F-38-12	X
	13.0-14.5': Poorly graded SAND (100% sand), fine to medium sand, dark gray and dark brown, wet, no odor, no staining.	SP				
	14.0-15.0': No recovery.			0.9	F-38-14.5	X
15	15.0-20.0': Poorly graded SAND (100% sand), fine to medium sand, dark brown and dark gray, wet, no odor, no staining.	SP	100			
20						



Boring/Well Construction Details

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

FARALLON CONSULTING

Log of Boring: F-39

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, WA

Farallon PN: 1071-026

Logged By: G. McKenney

Date/Time Started: 04/28/21 @ 1125
Date/Time Completed: 04/28/21 @ 1130
Equipment: Geoprobe 7822
Drilling Company: AEC
Drilling Foreman: Levi Mainard
Drilling Method: Direct Push

Sampler Type: 5' Macrocore
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 5.5
Total Well Depth (ft bgs): NA

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': Air knife to 5' bgs for utilities.							Gravel
5		5.0-5.5': No recovery. Refusal at 5.5' bgs.							Bentonite
10									
15									
20									

Well Construction Information

Monument Type: NA
Casing Diameter (inches): NA
Screen Slot Size (inches): NA
Screened Interval (ft bgs): NA

Filter Pack: NA
Surface Seal: NA
Annular Seal: NA
Boring Abandonment: Bentonite

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: NA

Log of Boring: FMW-4

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: A. Osman
Reviewed By: Y. Pehlivan

Date/Time Started: 10/21/2022 02:20
Date/Time Completed: 10/21/2022 03:45
Drilling Company: AEC
Drilling Method: Direct Push
Drilling Equipment: Geoprobe 7822DT
Drilling Operator: Blake Phillips
Sampler Type: 5.0' Macrocore

Depth to Water ATD (ft bgs): 13.5
Boring Diameter (in): 3.5
Total Boring Depth (ft bgs): 20
Constructed Well Depth (ft bgs): 20

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0		0.00-5.00: WELL-GRADED SAND (95% sand, 5% silt), fine to coarse sand, brown, dry, no odor, no staining. Cleared for utilities. Garden mesh at 0.5 ft.	SW				
5		5.00-7.00: POORLY GRADED SAND (95% sand, 5% silt), fine sand, brown, dry, no odor, no staining.	SP	72	0.0	FMW-4-5.0	
7		7.00-8.60: SILTY SAND (80% sand, 20% silt), fine sand, brown, moist, no odor, no staining.	SM		0.0		
9		8.60-10.00: No Recovery	NR				
10		10.00-14.00: SILTY SAND (70% sand, 30% silt), fine sand, brown, wet, faint organic-like odor, light staining.	SM	80	0.0	FMW-4-10.0	X
14		14.00-15.00: No Recovery	NR				
15		15.00-19.00: POORLY GRADED SAND (100% sand), fine to medium sand, dark brown, moist, no odor, no staining.	SP	80	0.1	FMW-4-15.0	
19		19.00-20.00: No Recovery	NR			FMW-4-19.0	
		FMW-4 Terminated at 20ft					

Water Level: ∇ at 13.5 ft bgs

Boring/Well Construction Details: Concrete; 2-inch Sched. 40; Bentonite; Sand; 0.010-inch slotted PVC

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Sand	**Ground Surface Elevation (ft):**	N/A
Casing Diameter (in):	2	**Surface Seal:**		**Top of Casing Elevation (ft):**	N/A
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	N/A
Screened Interval (ft bgs):	10-20	**Boring Abandonment:**	NA	**Unique Well ID:**	BNM-672

Log of Test Pit: FTP-18

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/17/2022 07:00
Date/Time Completed: 06/17/2022 12:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-7.00: Not Logged.						
7–12		7.00-12.00: POORLY GRADED SAND (95% sand, 5% silt), brownish- dark gray, moist, no odor, no staining.	SP			0.4	FTP-18-7.0	X
12–16		12.00-17.00: SILT WITH SAND (80% silt, 20% sand), fine sand, medium plasticity, stiff, dark gray, moist, moderate petroleum-like odor, no staining.	ML			69.1	FTP-18-12.0	X
						0.4	FTP-18-17.0	X
		FTP-18 Terminated at 17ft						

Log of Test Pit: FTP-19

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/07/2022 06:50
Date/Time Completed: 06/09/2022 07:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 16
Backfill Material: Native

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-7.00: Not Logged.						
7–11		7.00-11.00: POORLY GRADED SAND (95% sand, 5% silt), fine sand, dark gray, moist, moderate petroleum-like odor, no staining.	SP			47.6	FTP-19-7.0	X
11–16		11.00-16.00: SILT WITH SAND (75% silt, 25% sand), fine sand, medium plasticity, stiff, gray, moist, strong petroleum-like odor, no staining.	ML			219.4	FTP-19-11.0	X
						261.5	FTP-19-16.0	X
		FTP-19 Terminated at 16ft						

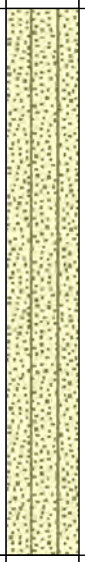
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Log of Test Pit: FTP-20

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Greg Peters
Reviewed By: Y. Pehlivan

Date/Time Started: 06/15/2022 14:33
Date/Time Completed: 06/15/2022 14:34
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 2
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILTY SAND (65% sand, 30% silt, 5% gravel), fine to medium sand, greenish-gray, moist, strong petroleum-like odor, moderate staining.	SM					
		FTP-20 Terminated at 2ft						

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Log of Test Pit: FTP-21

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y.Pehlivan

Date/Time Started: 06/15/2022 07:50
Date/Time Completed: 06/15/2022 08:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-7.00: Not logged.						
7–11		7.00-12.00: POORLY GRADED SAND (100% sand), fine to medium sand, grayish brown, moist, no odor, no staining.	SP			0.3	FTP-21-7.0	X
12–16		12.00-17.00: POORLY GRADED SAND (95% sand, 5% silt), fine sand, brown, moist, no odor, no staining.	SP			1.3	FTP-21-12.0	X
						0.0	FTP-21-17.0	X
		FTP-21 Terminated at 17ft						

Log of Test Pit: FTP-22

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/15/2022 06:25
Date/Time Completed: 06/15/2022 06:30
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 12
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-7.00: Not Logged.						
7–11		7.00-12.00: SILT WITH SAND (85% silt, 15% sand), fine sand, medium plasticity, stiff, gray with orange mottling, moist, no odor, no staining.	ML			0.0	FTP-22-7.0	
						0.2	FTP-22-12.0	X
		FTP-22 Terminated at 12ft						

Log of Test Pit: FTP-23

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/16/2022 09:50
Date/Time Completed: 06/16/2022 10:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-7.00: Not Logged.						
7–12		7.00-12.00: SILT WITH SAND (75% silt, 25% sand), fine sand, low plasticity, stiff, brownish gray with orange mottling, moist, no odor, no staining.	ML			0.4	FTP-23-7.0	X
12–16		12.00-17.00: POORLY GRADED SAND WITH SILT (90% sand, 10% silt), fine sand, dark gray, moist to moist, no odor, no staining.	SP-SM			1.0	FTP-23-12.0	X
						1.1	FTP-23-17.0	X
		FTP-23 Terminated at 17ft						

Log of Test Pit: FTP-24

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/15/2022 12:15
Date/Time Completed: 06/15/2022 12:23
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: Not Logged.						
8–12		8.00-12.00: POORLY GRADED SAND (95% sand, 5% silt), fine to medium sand, brown, moist, no odor, no staining.	SP			0.3	FTP-24-8.0	X
12–16		12.00-17.00: SILT (90% silt, 10% sand), fine sand, high plasticity, stiff, gray, moist, no odor, no staining.	ML			2.2	FTP-24-12.0	X
						0.6	FTP-24-17.0	X
		FTP-24 Terminated at 17ft						

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Log of Test Pit: FTP-25

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/16/2022 10:50
Date/Time Completed: 06/16/2022 11:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

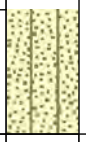
Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-7.00: 0.00-7.00: Not Logged.						
7–12		7.00-12.00: 7.00-12.00: SILTY SAND (70% sand, 25% silt, 5% gravel), fine to medium sand, fine gravel, dark gray, moist, no odor, no staining.	SM			0.5	FTP-25-7.0	X
12–16		12.00-17.00: 12.00-17.00: SILTY SAND (70% sand, 25% silt, 5% gravel), fine to medium sand, fine gravel, dark gray, moist, no odor, no staining.	SM			1.4	FTP-25-12.0	X
16						0.6	FTP-25-17.0	X
		FTP-25 Terminated at 17ft						

Log of Test Pit: FTP-26

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 08:05
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–9		0.00-9.00: Not Logged.	PAV					
9		9.00-10.00: SILTY SAND (85% sand, 15% silt), black, dry, organic-like odor, no staining.	SM				FTP-26-10.0	X
		FTP-26 Terminated at 10ft						

Log of Test Pit: FTP-27

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y.Pehlivan

Date/Time Started: 07/07/2022 01:30
Date/Time Completed: 07/05/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-7.00: Not Logged.	PAV					
2								
3								
4								
5								
6								
7		7.00-8.00: SILT (100% silt), grayish brown, dry, no odor, no staining.	ML				FTP-27-8.0	X
		FTP-27 Terminated at 8ft						

Log of Test Pit: FTP-28

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 01:40
Date/Time Completed: 07/05/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-7.00: Not Logged.	PAV					
2								
3								
4								
5								
6								
7		7.00-8.00: SILT (100% silt), grayish brown, dry, no odor, no staining.	ML				FTP-28-8.0	X
		FTP-28 Terminated at 8ft						

Log of Test Pit: FTP-29

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 08:50
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.50: Not Logged.						
2		1.50-8.00: POORLY GRADED SAND WITH GRAVEL (80% sand, 20% gravel), brown, Brick debris.	SP				FTP-29-2.5	X
3								
4								
5								
6								
7							FTP-29-8.0	X
		FTP-29 Terminated at 8ft						

Log of Test Pit: FTP-30

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 02:05
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
0		0.00-8.00: POORLY GRADED SAND WITH GRAVEL (80% sand, 20% gravel), brown, Brick debris.	SP					
1								
2								
3								
4								
5								
6								
7								
		FTP-30 Terminated at 8ft						

Log of Test Pit: FTP-31

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 09:20
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.50: Not Logged.	PAV					
2		1.50-2.50: Brick.	BK					
3		2.50-7.00: POORLY GRADED SAND (100% sand), medium sand, loose, brown, dry, no odor, no staining.	SP					
4								
5								
6								
7		7.00-8.00: SILT (100% silt), grayish brown, no odor, no staining.	ML				FTP-31-8.0	X
		FTP-31 Terminated at 8ft						

Log of Test Pit: FTP-32

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/08/2022 09:30
Date/Time Completed: 07/07/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1 2 3 4 5 6		0.00-7.00: POORLY GRADED SAND (100% sand), medium sand, loose, brown, dry, no odor, no staining.	SP					
7		7.00-8.00: SILT (100% silt), grayish brown, dry, no odor, no staining.	ML				FTP-32-8.0	X
		FTP-32 Terminated at 8ft						

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Log of Test Pit: FTP-33

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/07/2023 07:39
Date/Time Completed: 09/06/2023
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.00: SILT (100% silt), brown-orange, moist, no odor, no staining.	ML					
		1.00-4.00: POORLY GRADED SAND (100% sand), fine sand, loose, dark gray, moist, no odor, no staining.	SP			702.6	FTP-33-1.0	X
2								
3						6.8	FTP-33-4.0	X
		FTP-33 Terminated at 4ft						

Log of Test Pit: FTP-34

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/06/2023 08:00
Date/Time Completed: 09/06/2023 08:09
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (100% silt), brown-orange, moist, no odor, no staining.	ML			99.0	FTP-34-1.0	X
2		2.00-4.00: POORLY GRADED SAND (100% sand), medium sand, dark brown, wet, no odor, no staining.	SP			67.5	FTP-34-4.0	
3		**FTP-34 Terminated at 4ft**						

FARALLON CONSULTING

Log of Test Pit: FTP-35

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/06/2023 08:18
Date/Time Completed: 09/06/2023 08:27
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.00: SILT (100% silt), brown-orange, moist, no odor, no staining.	ML					
		1.00-4.00: POORLY GRADED SAND (100% sand), fine sand, dark gray, moist, no odor, no staining.	SP			30.6	FTP-35-1.0	X
2								
3						8.1	FTP-35-4.0	
		FTP-35 Terminated at 4ft						

Log of Test Pit: FTP-36

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/06/2023 15:43
Date/Time Completed: 09/06/2023 15:53
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (100 silt), brown-orange, moist, no odor, no staining.	ML			5.3	FTP-36-1.0	X
2		2.00-4.00: POORLY GRADED SAND (100% sand), medium sand, dark brown, wet, no odor, no staining.	SP					
3						8.6	FTP-36-4.0	
		FTP-36 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-37

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: A. Osman
Reviewed By: Y. Pehlivan

Date/Time Started: 09/09/2023 11:20
Date/Time Completed: 09/09/2023 11:28
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (95% silt, 5% sand), fine sand, medium plasticity, brown, moist, moderate petroleum-like odor, no staining.	ML			0.9	FTP-37-1.0	X
2		2.00-4.00: POORLY GRADED SAND (95% sand, 5% silt), fine to medium sand, dark brown, wet, moderate petroleum-like odor, no staining.	SP					
3						2.3	FTP-37-4.0	
		FTP-37 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-38

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: A. Osman
Reviewed By: Y. Pehlivan

Date/Time Started: 09/09/2023 11:05
Date/Time Completed: 09/09/2023 11:15
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SANDY SILT (65% silt, 35% sand), fine sand, medium plasticity, brown, moist, no odor, no staining.	ML			0.2	FTP-38-1.0	
2		2.00-4.00: POORLY GRADED SAND (100% sand), fine to medium sand, dark brown, wet, faint petroleum-like odor, no staining.	SP					
3						0.2	FTP-38-4.0	
		FTP-38 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-39

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: A. Osman
Reviewed By: Y. Pehlivan

Date/Time Started: 09/09/2023 03:52
Date/Time Completed: 09/09/2023 04:00
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (100% silt), medium plasticity, brown-orange, moist, no odor, no staining.	ML			0.1	FTP-39-1.0	
2		2.00-4.00: POORLY GRADED SAND (100% sand), medium sand, dark brown, wet, no odor, no staining.	SP					
3						0.3	FTP-39-4.0	
		FTP-39 Terminated at 4ft						

Log of Test Pit: FTP-40

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/08/2024 08:45
Date/Time Completed: 01/08/2024 08:50
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-6.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15 % gravel), medium sand, brown, moist, no odor, no staining. Brick debris.	SM					
6–7		6.00-7.00: SILT (95% silt, 5% sand), fine to medium sand, medium plasticity, gray-brown with black mottling, moist, moderate petroleum-like odor, no staining.	ML					
7–10		7.00-10.00: POORLY GRADED SAND (95% sand, 5% silt), medium sand, black, wet, moderate petroleum-like odor, no staining.	SP			11.9	FTP-40-7.0	X
						4.9	FTP-40-10.0	X
		FTP-40 Terminated at 10ft						

Log of Test Pit: FTP-41

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/08/2024 09:00
Date/Time Completed: 01/08/2024 09:24
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Dan
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 9
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–5		0.00-5.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), fine to medium sand, fine gravel, brown, wet, no odor, no staining.	SM					
5–7		5.00-7.00: SILT (95% silt, 5% sand), fine sand, medium plasticity, gray-brown with black mottling, wet, moderate petroleum-like odor, no staining.	ML			36.1	FTP-41-6.0	X
7–8		7.00-9.00: POORLY GRADED SAND (95% sand, 5% silt), medium sand, black, wet, moderate petroleum-like odor, no staining.	SP			49.1	FTP-41-9.0	X
		FTP-41 Terminated at 9ft						

Log of Test Pit: FTP-42

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 14:30
Date/Time Completed: 01/10/2024 14:35
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILTY GRAVEL WITH SAND (60% gravel, 20% silt, 20% sand) dry.	GM					
2		2.00-3.00: Brick.	BK			0.2	FTP-42-2.5	
3		3.00-6.00: SILTY GRAVEL WITH SAND (60% gravel, 20% sand, 20% silt), dry.	GM					
4								
5								
6		6.00-8.00: WELL-GRADED GRAVEL WITH SILT AND SAND (70% gravel, 20% sand, 10% silt), fine to medium sand, fine to coarse gravel, brown-gray, wet, no staining.	GW-GM			0.3	FTP-42-8.0	
7								
		FTP-42 Terminated at 8ft						

Log of Test Pit: FTP-43

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/11/2024 06:29
Date/Time Completed: 01/11/2024 06:56
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–3		0.00-3.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, dry, no odor, no staining. Brick debris.	SM			0.1	FTP-43-2.5	
3–6		3.00-6.00: SILTY GRAVEL WITH SAND (50% gravel, 25% sand, 25% silt), fine to medium sand, fine to coarse gravel, brownish gray, wet, no staining. Brick debris.	GM					
6–7		6.00-8.00: WELL-GRADED GRAVEL WITH SILT (80% gravel, 10% sand, 10% silt), fine to coarse sand, fine to coarse gravel, brown, wet, no odor.	GW-GM			0.2	FTP-43-8.0	
		FTP-43 Terminated at 8ft						

Log of Test Pit: FTP-44

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/11/2024 13:00
Date/Time Completed: 01/11/2024 13:20
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
0		0.00-1.00: SILTY SAND (70% sand, 30% silt), medium sand, light gray- brown, dry, no staining. Brick debris.	SM					
1		1.00-3.00: SILTY SAND (65% silt, 25% sand, 5% gravel), medium to coarse sand, fine gravel, dark brown, moist. Brick debris.	ML					
2								
3						0.3	FTP-44-2.5	
3		3.00-5.00: SILTY SAND (70% sand, 30% silt), medium sand, brown, wet. Brick debris.	SM					
4								
5		5.00-6.00: Concrete/Brick.	CCT					
6		6.00-8.00: SILTY GRAVEL (85% gravel, 15% silt), fine to coarse gravel, brown, wet, no staining.	GM					
7						0.5	FTP-44-8.0	
		FTP-44 Terminated at 8ft						

Log of Test Pit: FTP-45

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 05:06
Date/Time Completed: 01/10/2024 05:36
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–3		0.00-3.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, dry, no odor, no staining. Brick debris.	SM			0.3	FTP-45-2.5	
3–6		3.00-6.00: SILTY GRAVEL WITH SAND (50% gravel, 25% sand, 25% silt), fine to medium sand, fine to coarse gravel, brownish gray, wet, no odor, no staining. Brick debris.	GM					
6–9		6.00-10.00: SILTY GRAVEL WITH SAND (65% gravel 20% silt, 15% sand), fine to medium sand, fine to coarse gravel, dark brown, wet, moderate organic-like odor, no staining.	GM			2.2	FTP-45-8.0	
		FTP-45 Terminated at 10ft						

Log of Test Pit: FTP-46

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 08:40
Date/Time Completed: 01/10/2024 08:55
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: SILTY SAND (75% sand, 20% silt, 5% gravel), fine to coarse sand, fine to coarse gravel, brown, dry. Brick debris.	SM					
8–9		8.00-10.00: ELASTIC SILT (100% silt), high plasticity, gray with black mottling, dry,	MH			0.3	FTP-46-8.0	X
		FTP-46 Terminated at 10ft						

Log of Test Pit: FTP-47

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 08:00
Date/Time Completed: 01/10/2024 08:34
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: SILTY SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, fine gravel, brown, dry, no odor, no staining. Brick debris.	SM					
8–9		8.00-10.00: SILT (100% silt), high plasticity, gray with black mottling, dry,	ML			0.1	FTP-47-8.0	
		FTP-47 Terminated at 10ft						

FARALLON CONSULTING

Log of Test Pit: FTP-48

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 07:32
Date/Time Completed: 01/10/2024 07:49
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: POORLY GRADED GRAVEL WITH SILT AND SAND (75% gravel, 15% sand, 10% silt), fine to medium sand, fine gravel, brown, dry. Brick debris.	GP-GM					
8–9		8.00-10.00: ELASTIC SILT (100% silt), high plasticity, gray with black mottling, moist.	MH			0.2	FTP-48-8.0	X
		FTP-48 Terminated at 10ft						

Log of Test Pit: FTP-49

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 09:11
Date/Time Completed: 01/10/2024 09:25
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: POORLY GRADED GRAVEL (100% gravel), fine gravel, gray, moist, no odor, no staining.	GP					
2		2.00-8.00: SILTY GRAVEL WITH SAND (55% gravel, 25% silt, 20% sand), fine to coarse sand, fine to coarse gravel, brown, wet, no odor, no staining. Trace brick debris.	GM					
8		8.00-10.00: POORLY GRADED GRAVEL (100% gravel), coarse gravel, wet, no odor.	GP					
9		**FTP-49 Terminated at 10ft**						

Log of Test Pit: FTP-50

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/16/2024 01:30
Date/Time Completed: 01/16/2024 02:01
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), medium to coarse sand, fine gravel, brown, dry. Brick debris.	SM					
8–9		8.00-10.00: SILTY GRAVEL WITH SAND (60% gravel, 20% sand, 20% silt), fine to medium sand, fine to coarse gravel, blackish brown, dry. Brick debris.	GM			0.3	FTP-50-8.0	X
		FTP-50 Terminated at 10ft						

FARALLON CONSULTING

Log of Test Pit: FTP-01

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	6/5/2020 @ 0845	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	6/5/2020 @ 0915	**Depth of Water (ft bgs):**	14.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-5.0': Poorly-graded SAND (100% sand), fine sand, brown, moist, no odor.	SP				
5		5.0-8.0': Poorly-graded SAND (100% sand), fine sand, brown, moist, no odor.	SP		0.0	FTP-01-5.0	X
		8.0-10.0': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor.	ML				
10		10.0-12.0': Sandy SILT (60% silt, 40% sand), fine sand, brown, moist, no odor.	ML		0.0	FTP-01-10.0	X
		12.0-14.0': Silty SAND (70% sand, 30% silt), fine sand, dark brown, moist, slight petroleum hydrocarbon-like odor.	SM		0.3	FTP-01-12.0	
		14.0-15.0': Poorly-graded SAND (100% sand), fine sand, dark borwn, wet, no odor.	SP				
15					0.0	FTP-01-15.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-02

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	6/5/2020 @ 0920	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	6/5/2020 @ 0935	**Depth of Water (ft bgs):**	14.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-6.0': Silty SAND (60% sand, 40% silt), fine sand, brown, moist, no odor.	SM				
5					0.0	FTP-02-5.0	X
		6.0-10.0': SILT (90% silt, 10% sand), fine sand, brown with orange mottling, moist, no odor.	ML				
10		10.0-12.0': SILT (90% silt, 10% sand), fine sand, brown with orange mottling, moist, no odor.	ML		0.0	FTP-02-10.0	X
		12.0-15.0': Poorly-graded SAND (100% sand), fine to medium sand, black, moist, wet at 14.0' bgs, no odor.	SP				
15						FTP-02-15.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-03

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	6/5/2020 @ 0945	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	6/5/2020 @ 1005	**Depth of Water (ft bgs):**	14.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-2.0': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SP				
		2.0-3.0': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine to medium sand, fine to coarse gravel, dark gray, moist, no odor. Wood and brick debris.	SP				
		3.0-5.0': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor. Wood and brick debris.	SP				
5		5.0-6.0': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine to medium sand, fine to coarse gravel, dark gray, moist, no odor. Concrete slab fragments present.	SP		0.1	FTP-03-5.0	X
		6.0-10.0': SILT (90% silt, 10% sand), fine to medium sand, gray, moist, orange mottling, no odor.	ML				
10		10.0-15.0': Poorly-graded SAND (100% sand), fine to medium sand, black, wet, no odor.	SP		0.0	FTP-03-10.0	X
15					0.0	FTP-03-15.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-04

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	6/5/2020 @ 1010	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	6/5/2020 @ 1025	**Depth of Water (ft bgs):**	15.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-1.5': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine to medium sand, fine and coarse gravel, brown, moist, no odor.	SP				
		1.5-8.0': Poorly-graded SAND (100% sand), fine sand, dark gray, moist, slight organic odor. Some brick, wood debris.(FIll material)	SP		0.6	FTP-04-5.0	
10		8.0-11.0': SILT with sand (80% silt, 20% sand), fine sand, gray, moist, no odor.	ML		0.0	FTP-04-10.0	
		11.0-15.0': Silty SAND (80% sand, 20% silt), fine sand, dark gray, moist, wet at 15.0' bgs, no odor.	SM				
15					0.0	FTP-04-15.0	

FARALLON CONSULTING

Log of Test Pit: FTP-05

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	6/5/2020 @ 1030	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	6/5/2020 @ 1055	**Depth of Water (ft bgs):**	15.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-1.5': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine to medium sand, fine and coarse gravel, brown, moist, no odor.	SP				
		1.5-6.0': Poorly-graded SAND (100% sand), fine sand, brown, dark gray, moist, no odor.	SP		0.6	FTP-05-5.0	X
5							
		6.0-12.0': Sandy SILT (70% silt, 30% sand), fine sand, gray, petroleum hydrocarbon-like odor.	ML				
10					0.0	FTP-05-10.0	X
		Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, dark gray, moist, petroleum hydrocarbon-like odor.	SP-SM				
15					0.0	FTP-05-15.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-06

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	6/5/2020 @ 1100	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	6/5/2020 @ 1115	**Depth of Water (ft bgs):**	14.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-1.5': Poorly-graded SAND with gravel (80% sand, 20% silt), fine to medium sand, fine and coarse gravel.	SP				
		1.5-4.0': Poorly-graded SAND (100% sand), fine sand, brown, dark gray, moist.	SP				
		4.0-5.0': Silty SAND (75% sand, 25% silt), fine to medium sand, moist, gray, indiscernable odor.	SM				
5		5.0-10.0': Silty SAND (75% sand, 25% silt), fine to medium sand, moist, gray, strong petroleum hydrocarbon-like odor. Black staining.	SM		35.0	FTP-06-5.0	X
10		10.0-15.0': Poorly-graded SAND (100% sand), fine to medium sand, dark gray, moist, wet at 14.0' bgs, petroleum hydrocarbon-like odor.	SP		1525	FTP-06-10.0	X
15					230	FTP-06-15.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-07

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	6/5/2020 @ 1135	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	6/5/2020 @ 1200	**Depth of Water (ft bgs):**	14.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-1.5': Poorly-graded SAND with gravel (80% sand, 20% gravel), coarse to medium sand, fine and coarse gravel.	SP				
		1.5-4.0': Poorly-graded SAND (100% sand), fine to medium sand, brown, moist, slight petroleum hydrocarbon-like odor.	SP				
		4.0-5.0': SILT with sand (80% silt, 20% sand), fine to medium sand, gray with orange mottling, moist, slight petroleum hydrocarbon-like odor.	ML				
5		5.0-10.0': Silty SAND (75% sand, 25% silt), fine to medium sand, gray with black mottling, moist, strong petroleum hydrocarbon-like odor.	SM		11.2	FTP-07-5.0	X
10		10.0-12.0': Silty SAND (75% sand, 25% silt), fine to medium sand, gray with black mottling, moist, strong petroleum hydrocarbon-like odor.	SM		2890	FTP-07-10.0	X
		12.0-15.0': Silty SAND (75% sand, 25% silt), medium to coarse sand, black, moist, strong petroleum hydrocarbon-like odor.	SM				
15		16.0-16.0': Poorly-graded SAND (100% sand), medium to coarse sand, black, wet, no odor.	SP		1226	FTP-07-15.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-08

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 0840	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 0900	**Depth of Water (ft bgs):**	7.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	11.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-7.0': Poorly-graded SAND (100% sand), fine sand, brown, moist, no odor.	SP				
		7.0-10.0': Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, dark gray, wet, petroleum hydrocarbon-like odor. Liquid seeping into test pit from sidewall.	SP-SM		77.0	FTP-08-7.0	X
10		10.0-10.5': Poorly-graded SAND with silt (90% sand, 10% silt), fine sand, black, wet, petroleum hydrocarbon-like odor.	SP-SM				
		10.5-11.0': Sandy SILT (70% silt, 30% sand), fine sand, brown, petroleum hydrocarbon-like odor.	ML		301.9	FTP-08-11.0	X
15							

FARALLON CONSULTING

Log of Test Pit: FTP-09

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 0915	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 0945	**Depth of Water (ft bgs):**	7.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	12.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-5.0': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine to medium sand, fine gravel, brown, moist, no odor.	SP				
5		5.0-6.0': SILT (100% silt), light gray, moist, no odor.	ML				
		6.0-9.0': Poorly-graded SAND with gravel (80% sand, 20% gravel), fine sand, fine and coarse gravel, brown, wet, no odor.	SP		0.0	FTP-09-7.0	X
10		9.0-12.0': Sandy SILT (70% silt, 30% sand), fine sand, dark grayish brown, wet, no odor.	ML		0.0	FTP-09-10.0	X
15							

FARALLON CONSULTING

Log of Test Pit: FTP-10

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 0950	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1010	**Depth of Water (ft bgs):**	8.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	12.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-5.0': Poorly-graded SAND with gravel (85% sand, 15% gravel), fine to medium sand, fine gravel, brown, moist, no odor.	SP				
5		5.0-8.0': Poorly-graded SAND (100% sand), fine to medium sand, black, moist, no odor.	SP				
		8.0-11.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine gravel, brown, wet, no odor.	SM		0.0	FTP-10-9.0	X
10		11.0-12.0': SILT (100% silt), light gray, moist, organic odor.	ML		0.0	FTP-10-12.0	X
15							

FARALLON CONSULTING

Log of Test Pit: FTP-11

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 1020	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1035	**Depth of Water (ft bgs):**	8.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	12.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-6.0': Poorly-graded SAND (90% sand, 10% gravel), fine sand, fine gravel, dark brown, moist, no odor.	SP				
5		6.0-7.0': SILT with sand (80% silt, 20% sand), fine sand, brown, moist, no odor.	ML		0.0	FTP-11-6.0	X
		7.0-9.5': Poorly-graded SAND with silt and gravel (70% sand, 10% silt, 20% gravel), fine to medium sand, fine and coarse gravel, brown, wet, no odor.	SP-SM				
10		9.5-11.0': SILT with sand (80% silt, 20% sand), fine sand, dark gray, wet, no odor.	ML		0.0		
		11.0-14.0': Sandy SILT (60% silt, 40% sand), fine sand, dark gray, wet, organic odor.	ML			FTP-11-10.0	
					0.0	FTP-11-13.0	X
15							

FARALLON CONSULTING

Log of Test Pit: FTP-12

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 1050	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1105	**Depth of Water (ft bgs):**	7.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	12.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-7.0': Poorly-graded SAND with gravel (85% sand, 15% gravel), fine to medium sand, fine gravel, dark brown, moist, no odor.	SP				
5		7.0-11.0': Silty SAND (70% sand, 30% silt), fine sand, black, wet, some root material, slight organic odor.	SM		0.0	FTP-12-7.0	X
10		11.0-12.0': SILT (100% silt), light gray, wet, no odor.	ML			FTP-12-11.0	X
					0.0		

FARALLON CONSULTING

Log of Test Pit: FTP-13

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 1145	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1205	**Depth of Water (ft bgs):**	7.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	13.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-6.0': Poorly-graded SAND (90% sand, 10% gravel), fine to medium sand, brown, moist, no odor.	SP				
5		6.0-9.0': Silty SAND (80% sand, 20% silt), fine to medium sand, black, moist, wet at 7.0' bgs, organic odor. Some root material.	SM		0.3	FTP-13-6.5	
10		9.0-13.0': SILT (90% silt, 10% sand), fine sand, gray, wet, slight petroleum hydrocarbon-like odor.	ML		27.5	FTP-13-11.0	X
					4.6	FTP-13-13.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-14

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 1235	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1255	**Depth of Water (ft bgs):**	12.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	14.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-6.0': Poorly-graded SAND (70% sand, 30% gravel), fine to medium sand, fine and coarse gravel, light grayish brown, moist, no odor.	SP				
5		6.0-11.0': Poorly-graded SAND (95% sand, 5% gravel), fine to medium sand, fine gravel, brown, moist, no odor.	SP		0.3		
						FTP-14-9.0	X
10		11.0-12.0': Silty SAND (60% sand, 40% silt), fine to medium sand, light grayish brown, moist, no odor.	SM		27.5	FTP-14-11.0	
		12.0-14.0': Poorly-graded SAND (100% sand), fine to medium sand, black, wet, no odor.	SP		4.6		
						FTP-14-14.0	X
15							

FARALLON CONSULTING

Log of Test Pit: FTP-15

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 1310	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1340	**Depth of Water (ft bgs):**	8.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-6.0': Poorly-graded SAND with gravel (70% sand, 30% gravel), fine to medium sand, fine and coarse gravel, grayish brown, moist, no odor.	SP				
5		6.0-8.0': Silty SAND (70% sand, 30% silt), fine to medium sand, gray, moist, no odor.	SM				
		8.0-15.0': SILT with sand (80% silt, 20% sand), fine sand, black, wet, petroleum hydrocarbon-like odor.	ML		39.5	FTP-15-8.0	X
10							
15					222.7	FTP-15-14.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-16

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 1345	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1405	**Depth of Water (ft bgs):**	11.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	15.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-8.5': Poorly-graded SAND (90% sand, 10% gravel), fine to medium sand, brown, moist, no odor.	SP				
5							
		8.5-11.0': SILT with sand (75% silt, 25% sand), fine sand, black, moist, petroleum hydrocarbon-like odor.	ML		807.3	FTP-16-9.0	X
10							
		11.0-15.0': SILT (90% silt, 10% sand), fine sand, gray, moist, wet from 11.0 to 13.0' bgs, petroleum hydrocarbon-like odor.	ML		1203		
					1350		
15					1194	FTP-16-15.0	X

FARALLON CONSULTING

Log of Test Pit: FTP-17

Client: Prologis, Inc.
Project: Emerald Gateway
Location: Seattle/Tukwila, Washington

Farallon PN: 1071-026

Logged By: Y.Pehlivan

Date/Time Started:	9/9/2020 @ 1440	**Sampler Type:**	Excavator Bucket
Date/Time Completed:	9/9/2020 @ 1450	**Depth of Water (ft bgs):**	7.0
Equipment:	Deere 2WD	**Total Excavation Depth (ft bgs):**	14.0
Excavation Company:	JR Hayes	**Excavation Diameter (ft):**	NM
Excavation Foreman:	Cory Delp	**Ground Surface Elevation (ft):**	NA
Excavating Method:	Excavator	**Backfill Material:**	Native

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppm)	Sample ID	Sample Analyzed
0		0.0-7.0': Poorly-graded SAND with gravel (70% sand, 30% gravel), fine to medium sand, fine and coarse gravel, brown, moist, no odor.	SP				
5		7.0-9.0': Sandy SILT (60% silt, 40% sand), fine sand, black, wet, organic odor. Some roots.	ML		5.8		X
		9.0-12.0': Sandy SILT (60% silt, 40% sand), fine sand, gray, wet, no odor.	ML		2.9	FTP-17-7.0	
10		12.0-14.0': Poorly-graded SAND (100% sand), fine sand, black, wet, no odor.	SP		1.2		X
15							

FARALLON CONSULTING

Log of Test Pit: FTP-18

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/17/2022 07:00
Date/Time Completed: 06/17/2022 12:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-7.00: Not Logged.						
7–11		7.00-12.00: POORLY GRADED SAND (95% sand, 5% silt), brownish- dark gray, moist, no odor, no staining.	SP			0.4	FTP-18-7.0	X
12–16		12.00-17.00: SILT WITH SAND (80% silt, 20% sand), fine sand, medium plasticity, stiff, dark gray, moist, moderate petroleum-like odor, no staining.	ML			69.1	FTP-18-12.0	X
						0.4	FTP-18-17.0	X
		FTP-18 Terminated at 17ft						

Log of Test Pit: FTP-19

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/07/2022 06:50
Date/Time Completed: 06/09/2022 07:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 16
Backfill Material: Native

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-7.00: Not Logged.						
7–10		7.00-11.00: POORLY GRADED SAND (95% sand, 5% silt), fine sand, dark gray, moist, moderate petroleum-like odor, no staining.	SP			47.6	FTP-19-7.0	X
11–15		11.00-16.00: SILT WITH SAND (75% silt, 25% sand), fine sand, medium plasticity, stiff, gray, moist, strong petroleum-like odor, no staining.	ML			219.4	FTP-19-11.0	X
						261.5	FTP-19-16.0	X
		FTP-19 Terminated at 16ft						

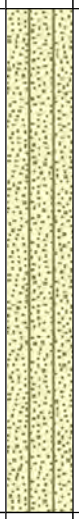
FARALLON CONSULTING

Log of Test Pit: FTP-20

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Greg Peters
Reviewed By: Y. Pehlivan

Date/Time Started: 06/15/2022 14:33
Date/Time Completed: 06/15/2022 14:34
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 2
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILTY SAND (65% sand, 30% silt, 5% gravel), fine to medium sand, greenish-gray, moist, strong petroleum-like odor, moderate staining.	SM					
		FTP-20 Terminated at 2ft						

FARALLON CONSULTING

Log of Test Pit: FTP-21

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y.Pehlivan

Date/Time Started: 06/15/2022 07:50
Date/Time Completed: 06/15/2022 08:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-7.00: Not logged.						
7–11		7.00-12.00: POORLY GRADED SAND (100% sand), fine to medium sand, grayish brown, moist, no odor, no staining.	SP			0.3	FTP-21-7.0	X
12–16		12.00-17.00: POORLY GRADED SAND (95% sand, 5% silt), fine sand, brown, moist, no odor, no staining.	SP			1.3	FTP-21-12.0	X
						0.0	FTP-21-17.0	X
		FTP-21 Terminated at 17ft						

Log of Test Pit: FTP-22

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/15/2022 06:25
Date/Time Completed: 06/15/2022 06:30
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 12
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-7.00: Not Logged.						
2								
3								
4								
5								
6								
7		7.00-12.00: SILT WITH SAND (85% silt, 15% sand), fine sand, medium plasticity, stiff, gray with orange mottling, moist, no odor, no staining.	ML			0.0	FTP-22-7.0	
8								
9								
10								
11						0.2	FTP-22-12.0	X
		FTP-22 Terminated at 12ft						

FARALLON CONSULTING

Log of Test Pit: FTP-23

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/16/2022 09:50
Date/Time Completed: 06/16/2022 10:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-7.00: Not Logged.						
7–11		7.00-12.00: SILT WITH SAND (75% silt, 25% sand), fine sand, low plasticity, stiff, brownish gray with orange mottling, moist, no odor, no staining.	ML			0.4	FTP-23-7.0	X
12–16		12.00-17.00: POORLY GRADED SAND WITH SILT (90% sand, 10% silt), fine sand, dark gray, moist to moist, no odor, no staining.	SP-SM			1.0	FTP-23-12.0	X
						1.1	FTP-23-17.0	X
		FTP-23 Terminated at 17ft						

FARALLON CONSULTING

Log of Test Pit: FTP-24

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/15/2022 12:15
Date/Time Completed: 06/15/2022 12:23
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-8.00: Not Logged.						
8–11		8.00-12.00: POORLY GRADED SAND (95% sand, 5% silt), fine to medium sand, brown, moist, no odor, no staining.	SP			0.3	FTP-24-8.0	X
12–16		12.00-17.00: SILT (90% silt, 10% sand), fine sand, high plasticity, stiff, gray, moist, no odor, no staining.	ML			2.2	FTP-24-12.0	X
						0.6	FTP-24-17.0	X
		FTP-24 Terminated at 17ft						

FARALLON CONSULTING

Log of Test Pit: FTP-25

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: K. Zygas
Reviewed By: Y. Pehlivan

Date/Time Started: 06/16/2022 10:50
Date/Time Completed: 06/16/2022 11:00
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 17
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-7.00: 0.00-7.00: Not Logged.						
7–11		7.00-12.00: 7.00-12.00: SILTY SAND (70% sand, 25% silt, 5% gravel), fine to medium sand, fine gravel, dark gray, moist, no odor, no staining.	SM			0.5	FTP-25-7.0	X
12–16		12.00-17.00: 12.00-17.00: SILTY SAND (70% sand, 25% silt, 5% gravel), fine to medium sand, fine gravel, dark gray, moist, no odor, no staining.	SM			1.4	FTP-25-12.0	X
						0.6	FTP-25-17.0	X
		FTP-25 Terminated at 17ft						

FARALLON CONSULTING

Log of Test Pit: FTP-26

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 08:05
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–9		0.00-9.00: Not Logged.						
9		9.00-10.00: SILTY SAND (85% sand, 15% silt), black, dry, organic-like odor, no staining.	SM				FTP-26-10.0	X
		FTP-26 Terminated at 10ft						

Log of Test Pit: FTP-27

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y.Pehlivan

Date/Time Started: 07/07/2022 01:30
Date/Time Completed: 07/05/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-7.00: Not Logged.						
7		7.00-8.00: SILT (100% silt), grayish brown, dry, no odor, no staining.	ML				FTP-27-8.0	X
		FTP-27 Terminated at 8ft						

FARALLON CONSULTING

Log of Test Pit: FTP-28

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 01:40
Date/Time Completed: 07/05/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-7.00: Not Logged.						
2								
3								
4								
5								
6								
7		7.00-8.00: SILT (100% silt), grayish brown, dry, no odor, no staining.	ML				FTP-28-8.0	X
		FTP-28 Terminated at 8ft						

Log of Test Pit: FTP-29

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 08:50
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.50: Not Logged.						
2		1.50-8.00: POORLY GRADED SAND WITH GRAVEL (80% sand, 20% gravel), brown, Brick debris.	SP				FTP-29-2.5	X
3								
4								
5								
6								
7							FTP-29-8.0	X
		FTP-29 Terminated at 8ft						

FARALLON CONSULTING

Log of Test Pit: FTP-30

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 02:05
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1 2 3 4 5 6 7		0.00-8.00: POORLY GRADED SAND WITH GRAVEL (80% sand, 20% gravel), brown, Brick debris. **FTP-30 Terminated at 8ft**	SP					

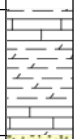
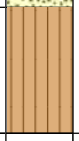
FARALLON CONSULTING

Log of Test Pit: FTP-31

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/07/2022 09:20
Date/Time Completed: 07/06/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.50: Not Logged.						
2		1.50-2.50: Brick.	BK					
3		2.50-7.00: POORLY GRADED SAND (100% sand), medium sand, loose, brown, dry, no odor, no staining.	SP					
4								
5								
6								
7		7.00-8.00: SILT (100% silt), grayish brown, no odor, no staining.	ML				FTP-31-8.0	X
		FTP-31 Terminated at 8ft						

Log of Test Pit: FTP-32

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: Y. Pehlivan
Reviewed By: Y. Pehlivan

Date/Time Started: 07/08/2022 09:30
Date/Time Completed: 07/07/2022
Excavation Company: JR Hayes
Excavation Method: Excavator
Excavation Equipment: Track hoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–7		0.00-7.00: POORLY GRADED SAND (100% sand), medium sand, loose, brown, dry, no odor, no staining.	SP					
7		7.00-8.00: SILT (100% silt), grayish brown, dry, no odor, no staining.	ML				FTP-32-8.0	X
		FTP-32 Terminated at 8ft						

Log of Test Pit: FTP-33

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/07/2023 07:39
Date/Time Completed: 09/06/2023
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.00: SILT (100% silt), brown-orange, moist, no odor, no staining.	ML					
		1.00-4.00: POORLY GRADED SAND (100% sand), fine sand, loose, dark gray, moist, no odor, no staining.	SP			702.6	FTP-33-1.0	X
2								
3						6.8	FTP-33-4.0	X
		FTP-33 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-34

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/06/2023 08:00
Date/Time Completed: 09/06/2023 08:09
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (100% silt), brown-orange, moist, no odor, no staining.	ML			99.0	FTP-34-1.0	X
2		2.00-4.00: POORLY GRADED SAND (100% sand), medium sand, dark brown, wet, no odor, no staining.	SP					
3						67.5	FTP-34-4.0	
		FTP-34 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-35

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/06/2023 08:18
Date/Time Completed: 09/06/2023 08:27
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.00: SILT (100% silt), brown-orange, moist, no odor, no staining.	ML					
		1.00-4.00: POORLY GRADED SAND (100% sand), fine sand, dark gray, moist, no odor, no staining.	SP			30.6	FTP-35-1.0	X
2								
3						8.1	FTP-35-4.0	
		FTP-35 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-36

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 09/06/2023 15:43
Date/Time Completed: 09/06/2023 15:53
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

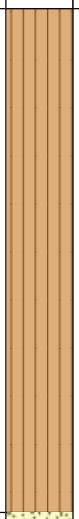
Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (100 silt), brown-orange, moist, no odor, no staining.	ML			5.3	FTP-36-1.0	X
2		2.00-4.00: POORLY GRADED SAND (100% sand), medium sand, dark brown, wet, no odor, no staining.	SP					
3						8.6	FTP-36-4.0	
		FTP-36 Terminated at 4ft						

Log of Test Pit: FTP-37

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: A. Osman
Reviewed By: Y. Pehlivan

Date/Time Started: 09/09/2023 11:20
Date/Time Completed: 09/09/2023 11:28
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (95% silt, 5% sand), fine sand, medium plasticity, brown, moist, moderate petroleum-like odor, no staining.	ML			0.9	FTP-37-1.0	X
2		2.00-4.00: POORLY GRADED SAND (95% sand, 5% silt), fine to medium sand, dark brown, wet, moderate petroleum-like odor, no staining.	SP			2.3	FTP-37-4.0	
3		**FTP-37 Terminated at 4ft**						

FARALLON CONSULTING

Log of Test Pit: FTP-38

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: A. Osman
Reviewed By: Y. Pehlivan

Date/Time Started: 09/09/2023 11:05
Date/Time Completed: 09/09/2023 11:15
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SANDY SILT (65% silt, 35% sand), fine sand, medium plasticity, brown, moist, no odor, no staining.	ML			0.2	FTP-38-1.0	
2		2.00-4.00: POORLY GRADED SAND (100% sand), fine to medium sand, dark brown, wet, faint petroleum-like odor, no staining.	SP					
3						0.2	FTP-38-4.0	
		FTP-38 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-39

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: A. Osman
Reviewed By: Y. Pehlivan

Date/Time Started: 09/09/2023 03:52
Date/Time Completed: 09/09/2023 04:00
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 4
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILT (100% silt), medium plasticity, brown-orange, moist, no odor, no staining.	ML			0.1	FTP-39-1.0	
2		2.00-4.00: POORLY GRADED SAND (100% sand), medium sand, dark brown, wet, no odor, no staining.	SP					
3						0.3	FTP-39-4.0	
		FTP-39 Terminated at 4ft						

FARALLON CONSULTING

Log of Test Pit: FTP-40

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/08/2024 08:45
Date/Time Completed: 01/08/2024 08:50
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: N/A
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–6		0.00-6.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15 % gravel), medium sand, brown, moist, no odor, no staining. Brick debris.	SM					
6–7		6.00-7.00: SILT (95% silt, 5% sand), fine to medium sand, medium plasticity, gray-brown with black mottling, moist, moderate petroleum-like odor, no staining.	ML					
7–10		7.00-10.00: POORLY GRADED SAND (95% sand, 5% silt), medium sand, black, wet, moderate petroleum-like odor, no staining.	SP			11.9	FTP-40-7.0	X
						4.9	FTP-40-10.0	X
		FTP-40 Terminated at 10ft						

FARALLON CONSULTING

Log of Test Pit: FTP-41

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/08/2024 09:00
Date/Time Completed: 01/08/2024 09:24
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Dan
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 9
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–5		0.00-5.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), fine to medium sand, fine gravel, brown, wet, no odor, no staining.	SM					
5–7		5.00-7.00: SILT (95% silt, 5% sand), fine sand, medium plasticity, gray-brown with black mottling, wet, moderate petroleum-like odor, no staining.	ML			36.1	FTP-41-6.0	X
7–9		7.00-9.00: POORLY GRADED SAND (95% sand, 5% silt), medium sand, black, wet, moderate petroleum-like odor, no staining.	SP			49.1	FTP-41-9.0	X
		FTP-41 Terminated at 9ft						

Log of Test Pit: FTP-42

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 14:30
Date/Time Completed: 01/10/2024 14:35
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: SILTY GRAVEL WITH SAND (60% gravel, 20% silt, 20% sand) dry.	GM					
2		2.00-3.00: Brick.	BK			0.2	FTP-42-2.5	
3		3.00-6.00: SILTY GRAVEL WITH SAND (60% gravel, 20% sand, 20% silt), dry.	GM					
4								
5								
6		6.00-8.00: WELL-GRADED GRAVEL WITH SILT AND SAND (70% gravel, 20% sand, 10% silt), fine to medium sand, fine to coarse gravel, brown-gray, wet, no staining.	GW-GM			0.3	FTP-42-8.0	
7								
		FTP-42 Terminated at 8ft						

FARALLON CONSULTING

Log of Test Pit: FTP-43

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/11/2024 06:29
Date/Time Completed: 01/11/2024 06:56
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–3		0.00-3.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, dry, no odor, no staining. Brick debris.	SM			0.1	FTP-43-2.5	
3–6		3.00-6.00: SILTY GRAVEL WITH SAND (50% gravel, 25% sand, 25% silt), fine to medium sand, fine to coarse gravel, brownish gray, wet, no staining. Brick debris.	GM					
6–7		6.00-8.00: WELL-GRADED GRAVEL WITH SILT (80% gravel, 10% sand, 10% silt), fine to coarse sand, fine to coarse gravel, brown, wet, no odor.	GW-GM			0.2	FTP-43-8.0	
		FTP-43 Terminated at 8ft						

FARALLON CONSULTING

Log of Test Pit: FTP-44

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/11/2024 13:00
Date/Time Completed: 01/11/2024 13:20
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 8
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-1.00: SILTY SAND (70% sand, 30% silt), medium sand, light gray- brown, dry, no staining. Brick debris.	SM					
2		1.00-3.00: SILTY SAND (65% silt, 25% sand, 5% gravel), medium to coarse sand, fine gravel, dark brown, moist. Brick debris.	ML			0.3	FTP-44-2.5	
3		3.00-5.00: SILTY SAND (70% sand, 30% silt), medium sand, brown, wet. Brick debris.	SM					
4								
5		5.00-6.00: Concrete/Brick.	CCT					
6		6.00-8.00: SILTY GRAVEL (85% gravel, 15% silt), fine to coarse gravel, brown, wet, no staining.	GM					
7						0.5	FTP-44-8.0	
		FTP-44 Terminated at 8ft						

FARALLON CONSULTING

Log of Test Pit: FTP-45

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 05:06
Date/Time Completed: 01/10/2024 05:36
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–3		0.00-3.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), fine to medium sand, fine to coarse gravel, brown, dry, no odor, no staining. Brick debris.	SM			0.3	FTP-45-2.5	
3–6		3.00-6.00: SILTY GRAVEL WITH SAND (50% gravel, 25% sand, 25% silt), fine to medium sand, fine to coarse gravel, brownish gray, wet, no odor, no staining. Brick debris.	GM					
6–10		6.00-10.00: SILTY GRAVEL WITH SAND (65% gravel 20% silt, 15% sand), fine to medium sand, fine to coarse gravel, dark brown, wet, moderate organic-like odor, no staining.	GM			2.2	FTP-45-8.0	
		FTP-45 Terminated at 10ft						

Log of Test Pit: FTP-46

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 08:40
Date/Time Completed: 01/10/2024 08:55
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: SILTY SAND (75% sand, 20% silt, 5% gravel), fine to coarse sand, fine to coarse gravel, brown, dry. Brick debris.	SM					
8–9		8.00-10.00: ELASTIC SILT (100% silt), high plasticity, gray with black mottling, dry,	MH			0.3	FTP-46-8.0	X
		FTP-46 Terminated at 10ft						

Log of Test Pit: FTP-47

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 08:00
Date/Time Completed: 01/10/2024 08:34
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: SILTY SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, fine gravel, brown, dry, no odor, no staining. Brick debris.	SM					
8–9		8.00-10.00: SILT (100% silt), high plasticity, gray with black mottling, dry,	ML			0.1	FTP-47-8.0	
		FTP-47 Terminated at 10ft						

FARALLON CONSULTING

Log of Test Pit: FTP-48

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 07:32
Date/Time Completed: 01/10/2024 07:49
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: POORLY GRADED GRAVEL WITH SILT AND SAND (75% gravel, 15% sand, 10% silt), fine to medium sand, fine gravel, brown, dry. Brick debris.	GP-GM					
8–9		8.00-10.00: ELASTIC SILT (100% silt), high plasticity, gray with black mottling, moist.	MH			0.2	FTP-48-8.0	X
		FTP-48 Terminated at 10ft						

FARALLON CONSULTING

Log of Test Pit: FTP-49

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/10/2024 09:11
Date/Time Completed: 01/10/2024 09:25
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

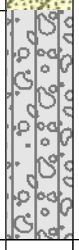
Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1		0.00-2.00: POORLY GRADED GRAVEL (100% gravel), fine gravel, gray, moist, no odor, no staining.	GP					
2		2.00-8.00: SILTY GRAVEL WITH SAND (55% gravel, 25% silt, 20% sand), fine to coarse sand, fine to coarse gravel, brown, wet, no odor, no staining. Trace brick debris.	GM					
3								
4								
5								
6								
7								
8		8.00-10.00: POORLY GRADED GRAVEL (100% gravel), coarse gravel, wet, no odor.	GP					
9								
		FTP-49 Terminated at 10ft						

Log of Test Pit: FTP-50

Client: Prologis-Exchange 3301 South Norfolk, LLC
Project: Emerald Gateway
Location: 3301 S Norfolk St, Seattle, WA 98118, USA
Farallon PN: 1071-026
Logged By: M.H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started: 01/16/2024 01:30
Date/Time Completed: 01/16/2024 02:01
Excavation Company: Sierra
Excavation Method: Excavator
Excavation Equipment: Trackhoe
Excavation Operator: Eric Shay
Bucket Width (ft): NM

Depth to Water (ft bgs): N/A
Excavation Depth (ft bgs): 10
Backfill Material: Soil

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	PID (ppmv)	Sample ID	Sample Analyzed
1–8		0.00-8.00: SILTY SAND WITH GRAVEL (65% sand, 20% silt, 15% gravel), medium to coarse sand, fine gravel, brown, dry. Brick debris.	SM					
8–9		8.00-10.00: SILTY GRAVEL WITH SAND (60% gravel, 20% sand, 20% silt), fine to medium sand, fine to coarse gravel, blackish brown, dry. Brick debris.	GM			0.3	FTP-50-8.0	X
		FTP-50 Terminated at 10ft						

APPENDIX E
UST DECOMMISSIONING DOCUMENTATION

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

Dianes Tank Removal Services LLC

P. O. Box 77738
Seattle, WA 98177
www.dianestankremoval.com

Phone: 206-510-9497
Email: DianesTank@hotmail.com

Invoice

Bill To: Rhine Demolition LLC

Date: September 2, 2020
Customer ID: 3301 S Norfolk St

1124 112th St E
Tacoma, WA 98445

253-537-5852

Date	Type	Description	Amount	Payment	Balance
8/18/2020	UST decommissioning by				
	Pump out Bunker C & water				
	530 gallons of oil/water	at .75 / gallon	$ 397.50		
	Sm Vac Truck time (2 lds)	4 hrs @ $145 /hour	$ 580.00		
	(UST kept recharging with water)				
8/20/2020	Pump out Bunker C & water				
	1000 gallons of oil/water	at .75 / gallon	$ 750.00		
	Large Vac Truck time (1 ld)	3 hrs @ $165 / hour	$ 495.00		
	Oversee UST removal, Marine Chem	haul and dispose of 1,000			
	gallon UST		$ 2,100.00		
		permit	$ 288.00		
		Subtotal	$ 4,610.50		
		10.1% w.s.s.t.	resale		
		Total	$ 4,610.50		
					$4,610.50

Customer Name:
Customer ID: 3301 S Norfolk St
Statement #: 0
Date: September 2, 2020

Dianes Tank Removal Services LLC

P. O. Box 77738
Seattle, WA 98177
www.dianestankremoval.com

Phone: 206-510-9497
E-mail: DianesTank@hotmail.com

Invoice

Bill To: Rhine Demolition LLC

Date: October 7, 2020
Customer ID: 3301 S Norfolk St
UST found 10/2

1124 112th St E
Tacoma, WA 98445

253-537-5852

Date	Type	Description	Amount	Payment	Balance
10/2/2020	UST decommissioning by				
	Pump out Bunker C & water				
	1,500 gallons of oil/water	at .75 / gallon	$ 1,125.00		
	Large Vac Truck time (1 ld)	2 hrs @ $165 / hour	$ 330.00		
	Oversee UST removal, Marine Chem	haul and dispose of 1,500			
	gallon UST		$ 2,100.00		
		permit	$ 288.00		
		Subtotal	$ 3,843.00		
		10.1% w.s.s.t.	resale		
		Total	$ 3,843.00		

Customer Name:

$3,843.00

Customer ID: 3301 S Norfolk St
Statement #: 0
Date: October 7, 2020
Amount Due: $3,843.00
Amount Enclosed:

Dianes Tank Removal Services LLC

P. O. Box 77738
Seattle, WA 98177
www.dianestankremoval.com

Phone: 206-510-9497
E-mail: DianesTank@hotmail.com

Invoice

Bill To: Rhine Demolition LLC

Date: November 12, 2020

Customer ID: 10430 E Marginal Way S, Tukwila
south end of Emerald Gateway project

1124 112th St E
Tacoma, WA 98445

253-537-5852

Date	Type	Description	Amount	Payment	Balance
10/21/2020	UST decommissioning	Pump out bunker C/water			
	300 gallons oily waste water	at .75 / gallon	$ 225.00		
	Large Vac Truck time (1 ld)	2 hrs @ 165 / hour	$ 330.00		
	Oversee UST removal	Haul and dispose of 300			
	gallon UST		$ 1,200.00		
	(tank located in Tukwila, no permit required)	*and no Marine Chemist*			
		subtotal	$ 1,755.00		
		10.1% w.s.s.t.	resale		
		Total	$ 1,755.00		

Customer Name:

$1,755.00

Customer ID: 10430 E Marginal Way S, Tukwila
Statement #: 0
Date: November 12, 2020

OIL TANK DECOMMISSIONING CERTIFICATE

RE: DECOMMISSION BELOW GROUND FUEL OIL TANKS

This is to certify that Diane's Tank Removal Services, LLC, decommissioned one 1,000 gallon below ground fuel oil storage tank and one 300 gallon (previously decommissioned) underground tank on August 20, 2020, by removal. The tanks were properly decommissioned pursuant to the codes, rules and guidelines established by local and state law.

Upon removal of the tank, it was noted that an undisclosed amount of oil had leaked into the surrounding soil area. WAC173-340 State Model Toxics Control Act requires the owner or operator must contact the State Department of Ecology (425) 649-7000 within 24 hours of contamination discovery.

Residual oil and water from rinsate was disposed of at Marine Vacuum Service, a certified disposal facility located in Seattle, Washington. Tank disposed of at SIM, Seattle, Washington.

Dated: September 2, 2020

Diane Kamacho

Diane M Kamacho – ICC# 8057526-U2 & U7
P.O. Box 77738
Seattle, WA 98177 206-510-9497

SOUND TESTING, INC.
P.O. BOX 16204 SEATTLE, WA 98116
(206) 932-0206 FAX (206) 937-3848
WWW.SOUNDTESTINGINC.COM

MARINE CHEMIST CERTIFICATE

SERIAL Nº 47445

Diane's Tank Survey Requested by	Diane's Tank ~~Underlying Agent~~ Vessel Owner or Agent	8/20/20 Date
~1000 gal UST Vessel	UST Type of Vessel	5301 S Norfolk st Specific Location of Vessel
Heating Oil x3 Last Three (3) Loadings	O_2, LEL, H_2S, CO, PID (VOCs) Tests Performed (LOD: 5 ppm)	1348 Time Survey Completed

1000 gal UST

Safe for Excavation

Safe for ripping with Excavator

Safe for Transport

Meter: O_2: 20.9%
LEL: 0%
H_2S: 0 ppm
CO: 0 ppm
VOCs: 34 ppm

[Meter: GFG-460 S/N 19126005/CAL: 0900 - 20 Aug 20]

In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values.

SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

Signed Dean Kanks (Name) DIANE'S TANK (Company) 20 Aug 20 (Date)

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

CLT

Signed Craig L. Tutterrow (Marine Chemist) #688 (Certificate No.)

CRAIG 206-313-6933

POSTING

THU, 08/20/2020
@ 11 AM

Your Seattle Fire Department

APPLICATION FOR TEMPORARY PERMIT

Code 7908 **Commercial Tank Removal/Decommissioning**

Permit Fee: $288.00 **Date Issued:** 8/20/2020

TO BE COMPLETED BY PERMIT APPLICANT **Tank(s) must be removed from site on the same day as permit is issued!**

BUSINESS NAME: Diane's Tank Removal Services, LLC

MAILING ADDRESS: PO BOX 77738 SUITE:

CITY: Seattle STATE: WA ZIP: 98177

JOBSITE ADDRESS: 3301 S Norfolk ~~AVE~~ St - Seattle, WA 98118

CONTACT PERSON: Diane Kamacho PHONE NUMBER: (206) 510-9497

Number of Tank(s): 1 Tank Size(s): 1,000 GAL ☐ Aboveground tank

Product(s) Previously Contained: Bunker C heating oil ☒ Underground tank

☒ Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents)

☐ Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns)

Hot work being conducted: ☒ No ☐ Yes (If yes, a separate hot work permit is required)

Permit applications may be submitted in person weekdays from 8:00 a.m. to 4:30 p.m., or mailed to:

Seattle Fire Department
Fire Marshal's Office – Permits
220 Third Ave S, 2nd Floor
Seattle, WA 98104-2608

To pay with a Visa or Master Card, email this completed application to us,
THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT.
Tel: (206) 386-1450
E-mail: permits@seattle.gov

Call 206-386-1450, at least 24 hours prior to needed inspection time to arrange for an appointment.
TANKS MAY BE REMOVED/DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION
NO HOT WORK IS ALLOWED ON A TANK SYSTEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT!

Permission is hereby granted to remove or decommission the tank(s) identified in this permit in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, and federal, state, and local regulations. **THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED.**

I understand the conditions of this permit and will ensure all tank removal/decommissioning operations are conducted accordingly.
I acknowledge that I received an inspection by a Seattle Fire Department inspector today.

~~JOE CRAWFORD~~ Diane Kamacho — Print Name
Diane Kamacho — Signature
owner — Title

Special permit conditions: *Tank removal/decommissioning must be performed, or directly supervised, by an ICC certified individual (WAC 173-360-600)*

FMO USE:
Check No.: 0001906808192Ø
Receipt No.: 5-317973
Application ID#: 121139

APPROVED BY:
Inspector: JOE CRAWFORD SFD ID# 1384
Name of Marine Chemist ~~DIANE KAMACHO~~ CRAIG TRETEVIK Certificate # 682
Date:

(01/19)

BILL OF LADING

PRODUCT TRANSPORT MANIFEST

MARINE VACUUM SERVICE, INC.

24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240

FAX NUMBER 206-763-8084

TRUCK NUMBER_____ DATE 8-18-20

Nº **31408**

TO
DESTINATION
NAME Marine Vacuum Service, Inc.
STREET 1516 South Graham Street
CITY/STATE Seattle, WA 98108

FROM
SHIPPER
NAME Dianne Tanks
STREET
CITY/STATE

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
	SLUDGE	

RECEIVER DATE SHIPPER DATE

NOTE:

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

BILL OF LADING

PRODUCT TRANSPORT MANIFEST

MARINE VACUUM SERVICE, INC.

24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240

FAX NUMBER 206-763-8084

TRUCK NUMBER_____ DATE 8-18-20

Nº **00579**

TO
DESTINATION
NAME HVAC
STREET
CITY/STATE

FROM
SHIPPER
NAME Dianne's TANKS
STREET
CITY/STATE

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
250	GAL. OILY WATER	
210	GAL WASTE Diesel	
	SLUDGE	

RECEIVER DATE SHIPPER DATE

NOTE:

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 19465

Carrier No. 35480

Page _____ of _____

MARINE VACUUM SERVICE INC.

(Name of carrier) (SCAC)

Date 8/20/20

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:

Consignee MARINE VACUUM SERVICE INC.

Street 1516 SOUTH GRAHAM STREET

City SEATTLE State WA Zip Code 98108

FROM:

Shipper DIANE'S Tank

Street 3301 S NORFOLK AVE

City Seattle / TUKWILA State Zip Code

24 hr. Emergency Contact Tel. No. CHEMTEL 1-800-255-3924 CONTRACT MIS3627926

Route

Vehicle Number 2126

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT SPEC TANK REQUIRED) UN1863 FUEL, AVIATION, TURBIN ENGINE, CLASS 3, PG I				
1 TT	X	(DOT SPEC TANK REQUIRED) UN1203 GASOLINE, MIXTURE CLASS 3, PG II				
1 TT	X	(DOT SPEC TANK REQUIRED) UN1203 GASOLINE, CLASS 3, PG II				
1 TT	X	NA1993 DIESEL MIXTURE, CLASS 3, PG III				
1 TT	X	NA1993 DIESEL, CLASS 3, PG III				
1 TT	X	NA1270 PETROLEUM OIL, CLASS 3, PG I				
1 TT	X	NA1270 PETROLEUM OIL, MIXTURE, CLASS 3, PG I				
1 TT		OILY WASTE WATER NON REG BY DOT				
1 TT		WASTE WATER NON REG BY DOT				
1 TT		MARINE VESSEL SEWAGE NON REG BY DOT				
1 TT		STREET WASTE STORM PIPE CLEANING NON REG BY DOT				
		Black Oil water	1000	GAL		

PLACARDS TENDERED: YES ☐ NO ☑

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER DIANE'S Tank

PER x Diane Kanh

DATE 8/20/20

CARRIER Marine Vacuum SERVICE

PER SAK

DATE 8/20/20

1

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

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OIL TANK DECOMMISSIONING CERTIFICATE

RE: DECOMMISSION BELOW GROUND FUEL OIL TANK
AT: 10430 East Marginal Way South, Tukwila, Washington

This is to certify that Diane's Tank Removal Services, LLC, decommissioned one 300 gallon below ground fuel oil storage tank on October 21, 2020, by removal. The tank was properly decommissioned pursuant to the codes, rules and guidelines established by local and state law.

Upon removal of the tank, it was noted that an undisclosed amount of oil had leaked into the surrounding soil area. WAC173-340 State Model Toxics Control Act requires the owner or operator must contact the State Department of Ecology (425) 649-7000 within 24 hours of contamination discovery.

Residual oil and water from rinsate was disposed of at Marine Vacuum Service, a certified disposal facility located in Seattle, Washington. Tank disposed of at SIM, Seattle, Washington.

Dated: November 12, 2020

Diane Kamacho

Diane M Kamacho – ICC# 8057526-U2 & U7
P.O. Box 77738
Seattle, WA 98177 206-510-9497

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STRAIGHT BILL OF LADING
ORIGINAL — NOT NEGOTIABLE

Shipper No. 24300

Carrier No. _____

Page _____ of _____

Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

Date 10-21-20

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Marine Vacuum Service Inc.
Street 1516 South Graham Street
City Seattle State WA Zip Code 98108

FROM:
Shipper Dean's Tank
Street 10420 E Marginal Way S
City Tukwila State WA Zip Code
24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924 Contract MIS3627926

Route

Vehicle Number D46

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Mixture, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT	300 gals			
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Dean Kane C.

PER

CARRIER Mail Voc.

PER Emve

DATE 10-21-20

Permanent post-office address of shipper.

SEATTLE IRON & METALS CORP.
601 S. MYRTYLE ST • SEATTLE, WA 98108 • (206) 682-0040

703648

Control# 704569
Total Lbs 4,410

Prepared By:

Retail Ticket

Commodity	Gross	Tare	Net UM	Price	Total
Unprepared Scrap	32,010	27,600	4,410 N	40.0000	88.20
	32,010	27,600	4,410		88.20

I, the undersigned, affirm under penalty of law that, to the best of my knowledge, the property that is subject to this transaction is not stolen property.

Signed Diana Kamerk Date Nov. 6, 2020

OIL TANK DECOMMISSIONING CERTIFICATE

RE: DECOMMISSION BELOW GROUND FUEL OIL TANK
AT: 3301 S Norfolk Street, Seattle, Washington (UST#2)

This is to certify that Diane's Tank Removal Services, LLC, decommissioned one 1,500 gallon below ground fuel oil storage tank on October 2, 2020, by removal. The tank was properly decommissioned pursuant to the codes, rules and guidelines established by local and state law.

Upon removal of the tank, it was noted that an undisclosed amount of oil had leaked into the surrounding soil area. WAC173-340 State Model Toxics Control Act requires the owner or operator must contact the State Department of Ecology (425) 649-7000 within 24 hours of contamination discovery.

Residual oil and water from rinsate was disposed of at Marine Vacuum Service, a certified disposal facility located in Seattle, Washington. Tank disposed of at SIM, Seattle, Washington.

Dated: October 7, 2020

Diane Kamacho

Diane M Kamacho – ICC# 8057526-U2 & U7
P.O. Box 77738
Seattle, WA 98177 206-510-9497

Fri, 10/2/2020 @10AM

RECEIVED
OCT 0 1 2020
PERMIT SECTION

Your Seattle Fire Department

APPLICATION FOR TEMPORARY PERMIT

Code 7908 **Commercial Tank Removal/Decommissioning**

Permit Fee: $288.00 **Date Issued:** 10 - 2 - 2020

TO BE COMPLETED BY PERMIT APPLICANT **Tank(s) must be removed from site on the same day as permit is issued!**

BUSINESS NAME: Diane's Tank Removal Services, LLC

MAILING ADDRESS: PO Box 77738 SUITE:

CITY: Seattle STATE: WA ZIP: 98177

JOBSITE ADDRESS: 3301 Norfolk ST - Seattle, WA 98118 (Tank #2)

CONTACT PERSON: Diane Kamacho PHONE NUMBER: (206) 510-9497

Number of Tank(s): 1 Tank Size(s): ~1,000 gal ☐ Aboveground tank

Product(s) Previously Contained: Bunker C Heating Oil ■ Underground tank

■ Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents)

☐ Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns)

Hot work being conducted: ■ No ☐ Yes (If yes, a separate hot work permit is required)

Permit applications may be submitted in person weekdays from 8:00 a.m. to 4:30 p.m., or mailed to:

Seattle Fire Department
Fire Marshal's Office – Permits
220 Third Ave S, 2nd Floor
Seattle, WA 98104-2608

To pay with a Visa or Master Card, email this completed application to us,
THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT.
Tel: (206) 386-1450
E-mail: permits@seattle.gov

Call 206-386-1450, at least 24 hours prior to needed inspection time to arrange for an appointment.
TANKS MAY BE REMOVED/DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION
NO HOT WORK IS ALLOWED ON A TANK SYSTEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT!

Permission is hereby granted to remove or decommission the tank(s) identified in this permit in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, and federal, state, and local regulations. **THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED.**

I understand the conditions of this permit and will ensure all tank removal/decommissioning operations are conducted accordingly. I acknowledge that I received an inspection by a Seattle Fire Department inspector today.

Diane Kamacho — Print Name
Diane Kamacho — Signature
owner — Title

Special permit conditions: *Tank removal/decommissioning must be performed, or directly supervised, by an ICC certified individual (WAC 173-360-600)*

FMO USE:
Check No.: 0009135D100120
Receipt No.: 5-394122
Application ID#: 121702

APPROVED BY:
Inspector: Greg Brown SFD ID# 1310
Name of Marine Chemist Craig Trethewey Certificate # 47505
Date: 10 - 2 - 2020

(01/19)

SOUND TESTING, INC.
P.O. BOX 16204 SEATTLE, WA 98116
(206) 932-0206 FAX (206) 937-3848
WWW.SOUNDTESTINGINC.COM

MARINE CHEMIST CERTIFICATE

SERIAL Nº 47505

DIANE'S TANK REMOVAL Survey Requested by	DIANE'S TANK Vessel Owner or Agent	1 OCT 20 Date
UST Vessel	UST Type of Vessel	3101 S. NORFOLK AVE SEATTLE Specific Location of Vessel
HEATING OIL X 3 Last Three (3) Loadings	VISUAL, O_2, LEL, CO, H_2S, THC (LOD = 1ppm) Tests Performed	1515 Time Survey Completed

~1000 GALLON UST

SAFE FOR EXCAVATION

SAFE FOR TRANSPORTATION

[O_2 = 20.9%, LEL = 0%, THC (VOC) = 35ppm]

PLEASE NOTE:
(1) IF THE TANK HAS NOT BEEN REMOVED BY CLOSE OF BUSINESS ON MONDAY, PLEASE CALL CHEMIST FOR INSTRUCTIONS
(206) 313-6933

GFG 4460
[METER: BW S/N 19126005 / CAL: 1330 - 1 OCT 20]

In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values.

SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

Signed _____ (Name) DIANE'S (Company) 1 OCT 20 (Date)

POSTING TANK

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Craig Tuttle #688 (Marine Chemist, Certificate No.)

CELL 206-313-6933

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 24172

Carrier No. 025

Page 1 of 4

Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

Date 10-2-20

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 470, Sec. 1

TO:
Consignee Marine Vacuum Service Inc.
Street 1516 South Graham Street
City Seattle State WA Zip Code 98108

FROM:
Shipper Diane's Tank
Street 3301 S Norfolk
City Seattle State WA Zip Code
24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924
Contract MIS3627926

Route

Vehicle Number 025

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel Aviation, Mixture, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT	1,500	gallons		
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of this BOL (Bills of Lading, Freight Bills and Statements of Charges) and Section 5(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID (except when box at right is checked) ☐
Check here if charges are to be collected ☐

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER X Diane Kamenka

CARRIER Mark Vaas

PER

DATE 10-2-20

Permanent post-office address of shipper.

OIL TANK DECOMMISSIONING CERTIFICATE

RE: DECOMMISSION UNDERGROUND WASTE
OIL STORAGE TANK AT: *3301 S Norfolk St, Seattle, Washington*

This is to certify that Diane's Tank Removal Services, LLC, decommissioned one 1,000 gallon underground waste oil storage tank on August 26, 2022, by removal. The tank was properly decommissioned pursuant to the codes, rules and guidelines established by local and state law.

Tank disposed of at SIM, Seattle, Washington.
Tank Contents handled by Clean Harbors, as dangerous/hazardous waste through EPA#WAD007942535.

Dated: September 29, 2022

Diane Kamacho

Diane M Kamacho – ICC# 8057526-U2 & U7
P.O. Box 77738
Seattle, WA 98177 206-510-9497

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SOUND TESTING, INC.
P.O. BOX 16204 SEATTLE, WA 98116
(206) 932-0206 FAX (206) 937-3848
WWW.SOUNDTESTINGINC.COM

MARINE CHEMIST CERTIFICATE

SERIAL Nº 47929

DIANE'S TANK Survey Requested by	DIANE'S TANK Vessel Owner or Agent	26 AUG 22 Date
UST Vessel	UST Type of Vessel	3301 NORFOLK ST. Specific Location of Vessel
USED OIL X 3 Last Three (3) Loadings	VISUAL, O_2, LEL, VOC Tests Performed	1003 Time Survey Completed

1000 GALLON UST

NOT SAFE FOR WORKERS (VAPORS)
(NOT SAFE FOR ENTRY)

SAFE FOR EXCAVATION

SAFE FOR TRANSPORTATION

O_2 = 20.9%, LEL = 5%
VOC = 500 ppm

In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values.

SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

Signed Diane Kamacho (Name) DIANE'S TANK (Company) 26 AUG 22 (Date)

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Chris L. Cutteridge (Marine Chemist) #088 (Certificate No.)

POSTING

Fr, Aug 26, 2022
10am

Your Seattle Fire Department

APPLICATION FOR TEMPORARY PERMIT

Code 7908 **Commercial Tank Removal/Decommissioning**

Permit Fee: $288.00 **Date Issued:** 8/26/22

TO BE COMPLETED BY PERMIT APPLICANT **Tank(s) must be removed from site on the same day as permit is issued!**

BUSINESS NAME: Diane's Tank Removal Services, LLC		
MAILING ADDRESS: PO Box 77738		SUITE:
CITY: Seattle	STATE: wa	ZIP: 98177
JOBSITE ADDRESS: 3301 S Norfolk St		
CONTACT PERSON: Diane Kamacho	PHONE NUMBER: (206) 5109497	

Number of Tank(s): 1 Tank Size(s): 875 gallon ☐ Aboveground tank

Product(s) Previously Contained: ~~heating oil~~ waste oil ■ Underground tank

■ Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents)

☐ Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns)

Hot work being conducted: ■ No ☐ Yes (If yes, a separate hot work permit is required)

Permit applications may be submitted in person weekdays from 8:00 a.m. to 4:30 p.m., or mailed to:

Seattle Fire Department
Fire Marshal's Office – Permits
220 Third Ave S, 2nd Floor
Seattle, WA 98104-2608

To pay with a Visa or Master Card, email this completed application to us,
THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT.
Tel: (206) 386-1450
E-mail: permits@seattle.gov

Call 206-386-1450, at least 24 hours prior to needed inspection time to arrange for an appointment.
TANKS MAY BE REMOVED/DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION
NO HOT WORK IS ALLOWED ON A TANK SYSTEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT!

Permission is hereby granted to remove or decommission the tank(s) identified in this permit in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, and federal, state, and local regulations. **THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED.**

I understand the conditions of this permit and will ensure all tank removal/decommissioning operations are conducted accordingly. I acknowledge that I received an inspection by a Seattle Fire Department inspector today.

Diane Kamacho (Print Name) | Diane Kamacho (Signature) | owner (Title)

Special permit conditions: *Tank removal/decommissioning must be performed, or directly supervised, by an ICC certified individual (WAC 173-360-600)*

FMO USE:
Check No.: 0002405907282Z
Receipt No.: 5-239915
Application ID#: 127838

APPROVED BY:
Inspector: Jungdraun SFD ID# 1310
Name of Marine Chemist Trethewick Certificate # 47929
Date: 8-26-22

(01/19)

THE CITY OF SEATTLE

FIRE DEPARTMENT

Fire Marshal's Office

220 Third Ave South
Seattle, WA 98104-2608
(206) 386-1450

RECEIPT

5-339915

THIS IS NOT A BILL
PLEASE DO NOT PAY

When properly made out and signed this becomes a receipt for the amount and purposes as specified herein.

PAYOR: DIANE'S TANK REMOVAL
ADDRESS: PO BOX 77738
SEATTLE, WA 98177
ATTN: DIANE KAMACHO

DATE: 07/28/2022

AMOUNT: **$288.00**
JOB SITE: 3301 S NORFOLK ST
PAYMENT FOR: APPLICATION FEE
CCARD RECEIPT #: 00024089072822
INVOICE #:
PERMIT CODE(S): 7908
REMARK: PAID BY:
Name: Diane Kamacho
Organization: Diane's Tank Removal Services, LLC
Address: PO Box 77738, Seattle, WA 98177
Phone: (206) 510-9497
Email: DianesTank@hotmail.com

Chief of the Fire Department

By MF

BECOME FAMILIAR WITH YOUR PERMIT CONDITIONS.
STANDARD PERMIT CONDITIONS ARE AVAILABLE ON OUR WEBSITE:
http://www2.seattle.gov/fire/PermitSearch/SearchbyAllPermit.asp

FINAL CONDITIONS WILL BE PROVIDED WHEN PERMITS ARE ISSUED, WHICH MAY INCLUDE SITE-SPECIFIC MODIFICATIONS. IF YOU ARE RENEWING A PERMIT AT THIS TIME, REVIEW THE PERMIT CONDITIONS ATTACHED TO YOUR CURRENT PERMIT.

FOR PERMIT CONDITIONS IN ANOTHER LANGUAGE, PLEASE CONTACT PERMITS@SEATTLE.GOV

SEATTLE IRON & METALS CORP.
601 S. MYRTLE ST • SEATTLE, WA 98108 • (206) 682-0040

727149[49]

47204
DIANES TANK REMOVAL

Control# 747669
Total Lbs 1,940

Prepared By:

Retail Ticket

Commodity	Gross	Tare	Net	UM	Price	Total
Unprepared Scrap	33,260	31,320	1,940	N	145.0000	140.65
	33,260	**31,320**	**1,940**			**140.65**

I, the undersigned, affirm under penalty of law that, to the best of my knowledge, the property that is subject to this transaction is not stolen property.

Signed Dina Kanh Date 8/24/2022

REORDER FROM LANCER LTD. 1-509-922-0260 TOLL FREE 1-800-541-2232

DEPARTMENT OF ECOLOGY
State of Washington

30-DAY NOTICE
FOR UNDERGROUND STORAGE TANKS

UST ID #: _____
County: _____

This form provides Ecology 30-days' advanced notice for the following projects, as required by Chapter 173-360 WAC. Instructions are found on the back page.

Please ✓ the appropriate box: ☐ Intent to Install ☒ Intent to Close ☐ Change-in-Service

I. SITE INFORMATION	II. OWNER/OPERATOR INFORMATION
Tag or UBI # (if applicable):	Owner/Operator Name: Associated Grocers
UST ID # (if applicable):	Business Name: c/o Prologis
Site Name: Gateway Project	Mailing Address: 4545 Airport Way
Site Address: 3301 S Norfolk St	City: Denver State: CO Zip: 80239
City: Tukwila parcel 032304-9045	Phone: 303-567-5954
Phone:	Email:

III. CERTIFIED SERVICE PROVIDER(S)

Check the appropriate boxes. If more than one service provider is required for this project, fill out both sections.

Note: Individuals performing UST services MUST be ICC-certified or have passed another qualifying exam approved by the Department of Ecology.

1) ☐ Installer ☒ Decommissioner ☐ Site Assessor

Company Name: Dianes Tank Removal	Certification Type: ICC
Service Provider Name: Diane Kamacho	Cert. No.: 8057526-U2 Exp. Date: 2/7/24
Provider Phone: 206-510-9497	Provider Email: DianesTank@hotmail.com

2) ☐ Installer ☐ Decommissioner ☒ Site Assessor

Company Name: Farallon Consulting	Certification Type: ICC
Service Provider Name: Greg Peters	Cert. No.: 8883064 Exp. Date: 8/7/2022
Provider Phone: 425-394-4415	Provider Email:

IV. TANK INFORMATION

TANK ID	SUBSTANCE STORED	TANK CAPACITY	DATE PROJECT IS EXPECTED TO BEGIN	COMMENTS
1	waste	1,100 gall	ASAP	unknown UST found during excavation

I, Steve Jarrett, Ecology UST Inspector, hereby waive the 30-day wait time requirement for the decommissioning of this site on 07/14/2022, per a conversation with Ms. Diane Kamacho, Diane's Tank Services on 06/27/2022. Notification of any change to the date or parties listed on this form must be provided to me at least three days prior to either the new or current expected start date, whichever occurs first.

Steve Jarrett

47.509843 -122.291831

DEPARTMENT OF ECOLOGY
State of Washington

PERMANENT CLOSURE NOTICE
FOR UNDERGROUND STORAGE TANKS

This notice certifies that permanent closure activities were performed and conducted in accordance with Chapter 173-360 WAC. Instructions are found on the back page.

UST ID #: _____

County: _____

I. UST FACILITY		II. OWNER/OPERATOR INFORMATION	
Facility Compliance Tag #:		Owner/Operator Name:	Associate Grocers
UST ID #:		Business Name:	c/o Prologis
Site Name:	Gateway Project	Address:	4545 Airport Way
Site Address:	3301 S Norfolk St	City: Denver	State: CO Zip: 80239
City:	Tukwila WA 98168	Phone:	303-567-5954
Phone:	Parcel 032304-9045 47.509843 -122.291831	Email:	

III. CERTIFIED UST DECOMMISSIONER			
Company Name:	Dianes Tank Removal	Service Provider Name:	Diane Kamacho
Address:	P.O. Box 77738	Certification Type:	ICC
City: Seattle	State: WA Zip: 98177	Cert. No.:	8057526-42 Exp. Date: 2/7/2024
Provider Phone:	206-510-9497	Provider Email:	DianesTank@hotmail.com
Provider Signature:		***Date:***	

IV. TANK INFORMATION

TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	CLOSURE METHOD			CLOSURE DATE
			removal	closed-in-place	change-in-service	
1	1,100 gal	waste	☑	☐	☐	8/24/2022
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	

V. REQUIRED SIGNATURE

Signature acknowledges UST(s) comply with UST regulation WAC 173-360-380 Permanent Closure Requirements.

Date	Signature of Tank Owner/Operator or Authorized Representative	Print or Type Name

ECY 020-94 (October 2015)

Please print or type. Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WAD007942535	1	(800) 483-3718	017264914 FLE

5. Generator's Name and Mailing Address
Prologis, L.P.
3301 Norfolk St
Seattle, WA 98118
Generator's Phone:

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number
MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Emerald Services, Inc
1825 Alexander Avenue
Tacoma, WA 98421
Facility's Phone: (253) 533-6073
U.S. EPA ID Number
WAD981769110

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN1992, WASTE FLAMMABLE LIQUIDS, TOXIC, N.O.S., (LEAD,BENZENE), 3, (6.1), PG III (D018)	3	TP	750	G	D001	D008	D018
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.CH2483113 ERG#131

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dane J. Widen for Prologis | Signature: Dane | Month 9 Day 12 Year 22

GENERATOR

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

INT'L

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dane J. Widen | Signature: Dane | Month 9 Day 12 Year 22

Transporter 2 Printed/Typed Name | Signature | Month Day Year

TRANSPORTER

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number

18b. Alternate Facility (or Generator)

Facility's Phone: Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H061			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

G7 2200073215-003 PPW

APPENDIX F
SOIL DISPOSAL DOCUMENTATION

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44593

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW22
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	61860 lb
In	06/11/2020 08:50:38	Scale 1	kfunk2		Tare	26980 lb
Out	06/11/2020 08:56:43	Scale 1	kfunk2		Net	34880 lb
					Tons	17.44

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.44	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	17.44	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44594
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 08:53:48	Scale 1	kfunk2		Gross	102300 lb
Out	06/11/2020 09:01:17	Scale 1	kfunk2		Tare	36760 lb
					Net	65540 lb
					Tons	32.77

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.77	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	32.77	Tons				

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44595

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW22
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 09:20:17	Scale 1	kfunk2		Gross	57400 lb
Out	06/11/2020 09:20:17		kfunk2		Tare	26980 lb
					Net	30420 lb
					Tons	15.21

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	15.21	Tons				

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44596
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 09:25:17	Scale 1	kfunk2		Gross	85920 lb
Out	06/11/2020 09:25:17		kfunk2		Tare	36780 lb
					Net	49140 lb
					Tons	24.57

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.57	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.57	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44601
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW22
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	58160 lb
In	06/11/2020 09:44:14	Scale 1	kfunk2		Tare	26980 lb
Out	06/11/2020 09:44:14		kfunk2		Net	31180 lb
					Tons	15.59

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.59	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.59	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44603
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 09:55:20	Scale 1	kfunk2		Gross	90880 lb
Out	06/11/2020 09:55:20		kfunk2		Tare	36780 lb
					Net	54100 lb
					Tons	27.05

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.05	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.05	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44606

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW22
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 10:07:56	Scale 1	kfunk2		Gross	63400 lb
Out	06/11/2020 10:07:56		kfunk2		Tare	26980 lb
					Net	36420 lb
					Tons	18.21

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	18.21	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44608
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 10:27:23	Scale 1	kfunk2		Gross	97040 lb
Out	06/11/2020 10:27:23		kfunk2		Tare	36780 lb
					Net	60260 lb
					Tons	30.13

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.13	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.13	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44611
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW22
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 10:46:18	Scale 1	kfunk2		Gross	59600 lb
Out	06/11/2020 10:46:18		kfunk2		Tare	26980 lb
					Net	32620 lb
					Tons	16.31

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.31	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	16.31	Tons				

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44612
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 10:49:17	Scale 1	kfunk2		Gross	98760 lb
Out	06/11/2020 11:00:00	Scale 1	kfunk2		Tare	39160 lb
					Net	59600 lb
					Tons	29.80

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.80	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.80	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44618

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 10:58:57	Scale 1	kfunk2		Gross	96180 lb
Out	06/11/2020 10:58:57		kfunk2		Tare	36780 lb
					Net	59400 lb
					Tons	29.70

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.70	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.70	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44619

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW22
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 11:11:51	Scale 1	kfunk2		Gross	62360 lb
Out	06/11/2020 11:11:51		kfunk2		Tare	26980 lb
					Net	35380 lb
					Tons	17.69

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.69	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	17.69	Tons				

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44622

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 11:29:30	Scale 1	kfunk2		Gross	100160 lb
Out	06/11/2020 11:29:30		kfunk2		Tare	36780 lb
					Net	63380 lb
					Tons	31.69

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.69	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.69	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44624
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/11/2020 11:36:12	Scale 1	kfunk2		Gross	89540 lb
Out	06/11/2020 11:36:12		kfunk2		Tare	39160 lb
					Net	50380 lb
					Tons	25.19

Comments HR HAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.19	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.19	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44625

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/11/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW22
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	59440 lb
In	06/11/2020 11:39:17	Scale 1	kfunk2		Tare	26980 lb
Out	06/11/2020 11:39:17		kfunk2		Net	32460 lb
					Tons	16.23

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.23	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	16.23	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44863
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 07:52:42	Scale 1	kfunk2		Gross	92120 lb
Out	06/18/2020 07:52:42		kfunk2		Tare	36780 lb
					Net	55340 lb
					Tons	27.67

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.67	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	27.67	Tons				

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44864

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO#

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 07:56:00	Scale 1	kfunk2		Gross	110480 lb
Out	06/18/2020 08:04:41	Scale 1	kfunk2		Tare	41720 lb
					Net	68760 lb
					Tons	34.38

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.38	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	34.38	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44867
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 08:27:36	Scale 1	kfunk2		Gross	93960 lb
Out	06/18/2020 08:27:36		kfunk2		Tare	36780 lb
					Net	57180 lb
					Tons	28.59

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.59	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.59	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44869

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 08:36:09	Scale 1	kfunk2		Gross	117900 lb*
Out	06/18/2020 08:36:09		kfunk2		Tare	41720 lb*
			* Manual Weight		Net	76180 lb
					Tons	38.09

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	38.09	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	38.09	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44871
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 08:58:12	Scale 1	kfunk2		Gross	96100 lb
Out	06/18/2020 08:58:12		kfunk2		Tare	36780 lb
					Net	59320 lb
					Tons	29.66

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.66	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.66	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44875

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 09:12:30	Scale 1	kfunk2		Gross	102640 lb
Out	06/18/2020 09:12:30		kfunk2		Tare	39160 lb
					Net	63480 lb
					Tons	31.74

Comments JRHAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.74	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	31.74	Tons				

Total Tax
Total Ticket

Driver`s Signature B Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44877

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 09:15:25	Scale 1	kfunk2		Gross	97000 lb
Out	06/18/2020 09:15:25		kfunk2		Tare	41720 lb
					Net	55280 lb
					Tons	27.64

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.64	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.64	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Ed Gordon

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44878

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	06/18/2020	Vehicle#	M5
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DUSTIN MCCOMBS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 09:32:53	Scale 1	kfunk2		Gross	92400 lb
Out	06/18/2020 09:32:53		kfunk2		Tare	36780 lb
					Net	55620 lb
					Tons	27.81

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.81	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.81	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44879

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 09:45:59	Scale 1	kfunk2		Gross	100380 lb
Out	06/18/2020 09:45:59		kfunk2		Tare	39160 lb
					Net	61220 lb
					Tons	30.61

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.61	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.61	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44880

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 09:48:24	Scale 1	kfunk2		Gross	103760 lb
Out	06/18/2020 09:48:24		kfunk2		Tare	41720 lb
					Net	62040 lb
					Tons	31.02

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.02	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.02	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Ed Gordon

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44883

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 10:01:45	Scale 1	kfunk2		Gross	96840 lb
Out	06/18/2020 10:01:45		kfunk2		Tare	36780 lb
					Net	60060 lb
					Tons	30.03

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.03	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.03	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44887

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 10:15:27	Scale 1	kfunk2		Gross	97880 lb
Out	06/18/2020 10:15:27		kfunk2		Tare	39160 lb
					Net	58720 lb
					Tons	29.36

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.36	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.36	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44888

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 10:26:21	Scale 1	kfunk2		Gross	102900 lb
Out	06/18/2020 10:26:21		kfunk2		Tare	41720 lb
					Net	61180 lb
					Tons	30.59

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.59	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.59	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Ed Gordon

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44890

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/18/2020 10:34:05	Scale 1	kfunk2		Gross	95860 lb
Out	06/18/2020 10:34:05		kfunk2		Tare	36780 lb
					Net	59080 lb
					Tons	29.54

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.54	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.54	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D McCombs

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44891
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In	06/18/2020 10:47:06	Scale 1	kfunk2		96940 lb	39160 lb	57780 lb	28.89
Out	06/18/2020 10:47:06		kfunk2					

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.89	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	28.89	Tons				

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44920

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 08:16:14	Scale 1	kfunk2		Gross	109700 lb
Out	06/22/2020 08:16:14		kfunk2		Tare	39160 lb
					Net	70540 lb
					Tons	35.27

Comments JR HAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	35.27	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	35.27	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44923

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	102340 lb
In	06/22/2020 08:31:18	Scale 1	kfunk2		Tare	40320 lb
Out	06/22/2020 08:38:39	Scale 1	kfunk2		Net	62020 lb
					Tons	31.01

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.01	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.01	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44928

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	06/22/2020	Vehicle#	JRH76
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	BRYAN LANDRETH
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 09:01:22	Scale 1	kfunk2		Gross	103840 lb
Out	06/22/2020 09:01:22		kfunk2		Tare	39160 lb
					Net	64680 lb
					Tons	32.34

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.34	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.34	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44929

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 09:10:37	Scale 1	kfunk2		Gross	97360 lb
Out	06/22/2020 09:10:37		kfunk2		Tare	40320 lb
					Net	57040 lb
					Tons	28.52

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.52	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.52	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44939

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In	06/22/2020 10:02:55	Scale 1	kfunk2		104020 lb	39160 lb	64860 lb	32.43
Out	06/22/2020 10:02:55		kfunk2					

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.43	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44943

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 10:21:23	Scale 1	kfunk2		Gross	96680 lb
Out	06/22/2020 10:21:23		kfunk2		Tare	40320 lb
					Net	56360 lb
					Tons	28.18

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.18	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.18	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44946

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 10:42:06	Scale 1	kfunk2		Gross	113860 lb
Out	06/22/2020 10:42:06		kfunk2		Tare	39160 lb
					Net	74700 lb
					Tons	37.35

Comments HRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	37.35	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	37.35	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44955

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In	06/22/2020 11:14:40	Scale 1	kfunk2		110840 lb	40320 lb	70520 lb	35.26
Out	06/22/2020 11:14:40		kfunk2					

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	35.26	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	35.26	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44957

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 11:23:29	Scale 1	kfunk2		Gross	108720 lb
Out	06/22/2020 11:23:29		kfunk2		Tare	39160 lb
					Net	69560 lb
					Tons	34.78

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.78	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	34.78	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44961

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 11:47:50	Scale 1	kfunk2		Gross	110740 lb
Out	06/22/2020 11:47:50		kfunk2		Tare	40320 lb
					Net	70420 lb
					Tons	35.21

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	35.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	35.21	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44964
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	06/22/2020	Vehicle#	JRH76
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	BRYAN LANDRETH
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 12:12:06	Scale 1	kfunk2		Gross	121860 lb
Out	06/22/2020 12:12:06		kfunk2		Tare	39160 lb
					Net	82700 lb
					Tons	41.35

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	41.35	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	41.35	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44966

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 12:22:29	Scale 1	kfunk2		Gross	106620 lb
Out	06/22/2020 12:22:29		kfunk2		Tare	40320 lb
					Net	66300 lb
					Tons	33.15

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.15	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.15	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44970
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH76
Container
Driver BRYAN LANDRETH
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In	06/22/2020 12:49:07	Scale 1	kfunk2		96620 lb	39160 lb	57460 lb	28.73
Out	06/22/2020 12:49:07		kfunk2					

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.73	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	28.73	Tons				

Total Tax
Total Ticket

Driver`s Signature B. Landreth

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 44974
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 06/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/22/2020 12:59:34	Scale 1	kfunk2		Gross	89020 lb
Out	06/22/2020 12:59:34		kfunk2		Tare	40320 lb
					Net	48700 lb
					Tons	24.35

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.35	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.35	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 46782

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 08:24:23	Scale 1	kfunk2		Gross	103060 lb
Out	07/27/2020 08:24:23		kfunk2		Tare	40320 lb
					Net	62740 lb
					Tons	31.37

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.37	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.37	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 46786

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 07:46:53	Scale 1	kfunk2		Gross	94780 lb*
Out	07/27/2020 07:46:53		kfunk2		Tare	40320 lb*
			* Manual Weight		Net	54460 lb
					Tons	27.23

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.23	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.23	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 46793

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 08:57:35	Scale 1	kfunk2		Gross	102780 lb
Out	07/27/2020 08:57:35		kfunk2		Tare	40320 lb
					Net	62460 lb
					Tons	31.23

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.23	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	31.23	Tons				

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 46798

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 09:27:38	Scale 1	kfunk2		Gross	103920 lb
Out	07/27/2020 09:27:38		kfunk2		Tare	40320 lb
					Net	63600 lb
					Tons	31.80

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.80	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.80	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 46809
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 09:59:49	Scale 1	kfunk2		Gross	104040 lb
Out	07/27/2020 09:59:49		kfunk2		Tare	40320 lb
					Net	63720 lb
					Tons	31.86

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 46816

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 10:32:38	Scale 1	kfunk2		Gross	103560 lb
Out	07/27/2020 10:32:38		kfunk2		Tare	40320 lb
					Net	63240 lb
					Tons	31.62

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.62	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.62	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 46829

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 11:06:38	Scale 1	kfunk2		Gross	103840 lb
Out	07/27/2020 11:06:38		kfunk2		Tare	40320 lb
					Net	63520 lb
					Tons	31.76

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.76	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.76	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 46835

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 11:39:53	Scale 1	kfunk2		Gross	101820 lb
Out	07/27/2020 11:39:53		kfunk2		Tare	40320 lb
					Net	61500 lb
					Tons	30.75

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.75	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.75	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 46846

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 12:09:25	Scale 1	kfunk2		Gross	100880 lb
Out	07/27/2020 12:09:25		kfunk2		Tare	40320 lb
					Net	60560 lb
					Tons	30.28

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.28	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.28	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 46851

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 07/27/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/27/2020 12:41:45	Scale 1	kfunk2		Gross	79020 lb
Out	07/27/2020 12:41:45		kfunk2		Tare	40320 lb
					Net	38700 lb
					Tons	19.35

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	19.35	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	19.35	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 49074
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/04/2020	Vehicle#	M5
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DUSTIN MCCOMBS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 07:48:58	Scale 1	kfunk2		Gross	102480 lb
Out	09/04/2020 07:48:58		kfunk2		Tare	36780 lb
					Net	65700 lb
					Tons	32.85

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.85	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	32.85	Tons				

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 49075

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 07:51:41	Scale 1	kfunk2		Gross	98920 lb
Out	09/04/2020 08:05:23	Scale 1	kfunk2		Tare	37560 lb
					Net	61360 lb
					Tons	30.68

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.68	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.68	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 49076

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 07:55:39	Scale 1	kfunk2		Gross	113920 lb
Out	09/04/2020 08:12:42	Scale 1	kfunk2		Tare	44620 lb
					Net	69300 lb
					Tons	34.65

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.65	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	34.65	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 49095

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 08:39:15	Scale 1	kfunk2		Gross	105280 lb
Out	09/04/2020 08:39:15		kfunk2		Tare	36780 lb
					Net	68500 lb
					Tons	34.25

Comments MCCFOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	34.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 49099
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 08:47:53	Scale 1	kfunk2		Gross	104140 lb
Out	09/04/2020 08:47:53		kfunk2		Tare	37560 lb
					Net	66580 lb
					Tons	33.29

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.29	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.29	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 49104

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 09:00:51	Scale 1	kfunk2		Gross	104600 lb
Out	09/04/2020 09:00:51		kfunk2		Tare	44620 lb
					Net	59980 lb
					Tons	29.99

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.99	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.99	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 49118
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/04/2020	Vehicle#	M5
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DUSTIN MCCOMBS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 09:32:26	Scale 1	kfunk2		Gross	97100 lb
Out	09/04/2020 09:32:26		kfunk2		Tare	36780 lb
					Net	60320 lb
					Tons	30.16

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.16	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.16	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 49124

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 09:46:07	Scale 1	kfunk2		Gross	97720 lb
Out	09/04/2020 09:46:07		kfunk2		Tare	37560 lb
					Net	60160 lb
					Tons	30.08

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.08	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.08	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 49129

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 09:58:15	Scale 1	kfunk2		Gross	92120 lb
Out	09/04/2020 09:58:15		kfunk2		Tare	44620 lb
					Net	47500 lb
					Tons	23.75

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.75	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.75	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 49141
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/04/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/04/2020 10:26:59	Scale 1	kfunk2		Gross	90220 lb
Out	09/04/2020 10:26:59		kfunk2		Tare	36780 lb
					Net	53440 lb
					Tons	26.72

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.72	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.72	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50229

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 07:42:37	Scale 1	kfunk2		Gross	96500 lb
Out	09/17/2020 07:42:37		kfunk2		Tare	41720 lb
					Net	54780 lb
					Tons	27.39

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.39	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	27.39	Tons				

Total Tax
Total Ticket

Driver`s Signature E. GORDON

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50232

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 07:54:29	Scale 1	kfunk2		Gross	88760 lb
Out	09/17/2020 07:54:29		kfunk2		Tare	44620 lb
					Net	44140 lb
					Tons	22.07

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.07	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.07	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50236

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 08:01:49	Scale 1	kfunk2		Gross	78460 lb
Out	09/17/2020 08:01:49		kfunk2		Tare	36780 lb
					Net	41680 lb
					Tons	20.84

Comments MCCOMBS

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.84	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.84	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50243

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 08:17:59	Scale 1	kfunk2		Gross	97760 lb
Out	09/17/2020 08:17:59		kfunk2		Tare	41720 lb
					Net	56040 lb
					Tons	28.02

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.02	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.02	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50245

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 08:37:10	Scale 1	kfunk2		Gross	104200 lb
Out	09/17/2020 08:37:10		kfunk2		Tare	44620 lb
					Net	59580 lb
					Tons	29.79

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.79	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.79	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50247

Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 08:42:23	Scale 1	kfunk2		Gross	82660 lb
Out	09/17/2020 08:42:23		kfunk2		Tare	36780 lb
					Net	45880 lb
					Tons	22.94

Comments MCCFOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.94	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.94	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50251

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/17/2020	Vehicle#	WCW7
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	ED GORDON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 09:04:01	Scale 1	kfunk2		Gross	95700 lb
Out	09/17/2020 09:04:01		kfunk2		Tare	41720 lb
					Net	53980 lb
					Tons	26.99

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.99	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.99	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50254
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/17/2020	Vehicle#	MWT55
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	BILL COOK
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 09:15:53	Scale 1	kfunk2		Gross	103960 lb
Out	09/17/2020 09:15:53		kfunk2		Tare	44620 lb
					Net	59340 lb
					Tons	29.67

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.67	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.67	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50255

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 09:21:54	Scale 1	kfunk2		Gross	86500 lb
Out	09/17/2020 09:21:54		kfunk2		Tare	36780 lb
					Net	49720 lb
					Tons	24.86

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50260

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	09/17/2020	Vehicle#	WCW7	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	ED GORDON		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	09/17/2020 09:45:08	Scale 1	kfunk2		Gross	108280 lb
Out	09/17/2020 09:45:08		kfunk2		Tare	41720 lb
					Net	66560 lb
					Tons	33.28

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.28	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.28	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Ed Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50264
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 09:56:51	Scale 1	kfunk2		Gross	108040 lb
Out	09/17/2020 09:56:51		kfunk2		Tare	44620 lb
					Net	63420 lb
					Tons	31.71

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.71	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.71	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50270

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 10:21:07	Scale 1	kfunk2		Gross	51340 lb
Out	09/17/2020 10:28:43	Scale 1	kfunk2		Tare	24520 lb
					Net	26820 lb
					Tons	13.41

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	13.41	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	13.41	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50272

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 10:27:15	Scale 1	kfunk2		Gross	104800 lb
Out	09/17/2020 10:27:15		kfunk2		Tare	41720 lb
					Net	63080 lb
					Tons	31.54

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.54	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	31.54	Tons				

Total Tax
Total Ticket

Driver`s Signature Ed Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50279

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 10:55:42	Scale 1	kfunk2		Gross	54060 lb
Out	09/17/2020 10:55:42		kfunk2		Tare	24520 lb
					Net	29540 lb
					Tons	14.77

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.77	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.77	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50284

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 11:12:09	Scale 1	kfunk2		Gross	98620 lb
Out	09/17/2020 11:12:09		kfunk2		Tare	44620 lb
					Net	54000 lb
					Tons	27.00

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.00	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.00	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50286

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	09/17/2020	Vehicle#	WCW7	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	ED GORDON		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	09/17/2020 11:18:00	Scale 1	kfunk2		Gross	100360 lb
Out	09/17/2020 11:18:00		kfunk2		Tare	41720 lb
					Net	58640 lb
					Tons	29.32

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.32	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.32	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50289

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 11:24:08	Scale 1	kfunk2		Gross	51700 lb
Out	09/17/2020 11:24:08		kfunk2		Tare	24520 lb
					Net	27180 lb
					Tons	13.59

Comments MCCOMBS

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	13.59	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	13.59	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50285

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 11:16:04	Scale 1	kfunk2		Gross	75580 lb
Out	09/17/2020 11:30:13	Scale 1	kfunk2		Tare	32280 lb
					Net	43300 lb
					Tons	21.65

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.65	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.65	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Dan Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50295

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 11:56:25	Scale 1	kfunk2		Gross	111540 lb
Out	09/17/2020 11:56:25		kfunk2		Tare	44620 lb
					Net	66920 lb
					Tons	33.46

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.46	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.46	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50296

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

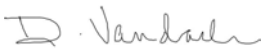
Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 12:01:00	Scale 1	kfunk2		Gross	82760 lb
Out	09/17/2020 12:01:00		kfunk2		Tare	32280 lb
					Net	50480 lb
					Tons	25.24

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50297

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 12:02:13	Scale 1	kfunk2		Gross	105780 lb
Out	09/17/2020 12:02:13		kfunk2		Tare	41720 lb
					Net	64060 lb
					Tons	32.03

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.03	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.03	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50300
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 12:06:18	Scale 1	kfunk2		Gross	49240 lb
Out	09/17/2020 12:06:18		kfunk2		Tare	24520 lb
					Net	24720 lb
					Tons	12.36

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	12.36	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	12.36	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50306

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55 Volume
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	09/17/2020 12:37:46	Scale 1	kfunk2		Gross	100220 lb
Out	09/17/2020 12:37:46		kfunk2		Tare	44620 lb
					Net	55600 lb
					Tons	27.80

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.80	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.80	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Bill Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50308

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 12:46:15	Scale 1	kfunk2		Gross	83180 lb
Out	09/17/2020 12:46:15		kfunk2		Tare	32280 lb
					Net	50900 lb
					Tons	25.45

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.45	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.45	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50309

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 12:48:10	Scale 1	kfunk2		Gross	102280 lb
Out	09/17/2020 12:48:10		kfunk2		Tare	41720 lb
					Net	60560 lb
					Tons	30.28

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.28	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.28	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50311

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 12:51:20	Scale 1	kfunk2		Gross	53820 lb
Out	09/17/2020 12:51:20		kfunk2		Tare	24520 lb
					Net	29300 lb
					Tons	14.65

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.65	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.65	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D McCombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50321
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/17/2020	Vehicle#	MWT55
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	BILL COOK
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 13:25:55	Scale 1	kfunk2		Gross	109460 lb
Out	09/17/2020 13:25:55		kfunk2		Tare	44620 lb
					Net	64840 lb
					Tons	32.42

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.42	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.42	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50322

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 13:30:08	Scale 1	kfunk2		Gross	84120 lb
Out	09/17/2020 13:30:08		kfunk2		Tare	32280 lb
					Net	51840 lb
					Tons	25.92

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.92	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.92	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50323
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/17/2020	Vehicle#	M5S
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DUSTIN MCCOMBS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 13:31:25	Scale 1	kfunk2		Gross	55340 lb
Out	09/17/2020 13:31:25		kfunk2		Tare	24520 lb
					Net	30820 lb
					Tons	15.41

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.41	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.41	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50324

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 13:36:11	Scale 1	kfunk2		Gross	106260 lb
Out	09/17/2020 13:36:11		kfunk2		Tare	41720 lb
					Net	64540 lb
					Tons	32.27

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.27	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.27	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50332

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 14:11:21	Scale 1	kfunk2		Gross	111620 lb
Out	09/17/2020 14:11:21		kfunk2		Tare	44620 lb
					Net	67000 lb
					Tons	33.50

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.50	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.50	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50333

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 14:14:07	Scale 1	kfunk2		Gross	79040 lb
Out	09/17/2020 14:14:07		kfunk2		Tare	32280 lb
					Net	46760 lb
					Tons	23.38

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.38	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.38	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50335

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 14:16:44	Scale 1	kfunk2		Gross	53420 lb
Out	09/17/2020 14:16:44		kfunk2		Tare	24520 lb
					Net	28900 lb
					Tons	14.45

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.45	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.45	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50336

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 14:18:27	Scale 1	kfunk2		Gross	104220 lb
Out	09/17/2020 14:18:27		kfunk2		Tare	41720 lb
					Net	62500 lb
					Tons	31.25

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50345

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

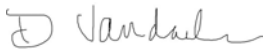
Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 14:55:44	Scale 1	kfunk2		Gross	85680 lb
Out	09/17/2020 14:55:44		kfunk2		Tare	32280 lb
					Net	53400 lb
					Tons	26.70

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.70	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	26.70	Tons				

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50346

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 14:59:32	Scale 1	kfunk2		Gross	55040 lb
Out	09/17/2020 14:59:32		kfunk2		Tare	24520 lb
					Net	30520 lb
					Tons	15.26

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.26	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.26	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50347

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 15:01:09	Scale 1	kfunk2		Gross	109860 lb
Out	09/17/2020 15:01:09		kfunk2		Tare	41720 lb
					Net	68140 lb
					Tons	34.07

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.07	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	34.07	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50355

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 15:37:20	Scale 1	kfunk2		Gross	83640 lb
Out	09/17/2020 15:37:20		kfunk2		Tare	32280 lb
					Net	51360 lb
					Tons	25.68

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.68	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.68	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50356

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 15:38:51	Scale 1	kfunk2		Gross	52820 lb
Out	09/17/2020 15:38:51		kfunk2		Tare	24520 lb
					Net	28300 lb
					Tons	14.15

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.15	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.15	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50357

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 15:42:12	Scale 1	kfunk2		Gross	101660 lb
Out	09/17/2020 15:42:12		kfunk2		Tare	41720 lb
					Net	59940 lb
					Tons	29.97

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.97	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.97	Tons				

Total Tax
Total Ticket

Driver`s Signature G. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50361

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 16:16:45	Scale 1	kfunk2		Gross	88000 lb
Out	09/17/2020 16:16:45		kfunk2		Tare	32280 lb
					Net	55720 lb
					Tons	27.86

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50362
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/17/2020	Vehicle#	M5S
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DUSTIN MCCOMBS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 16:18:15	Scale 1	kfunk2		Gross	49980 lb
Out	09/17/2020 16:18:15		kfunk2		Tare	24520 lb
					Net	25460 lb
					Tons	12.73

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	12.73	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	12.73	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50363

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/17/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/17/2020 16:21:18	Scale 1	kfunk2		Gross	101520 lb
Out	09/17/2020 16:21:18		kfunk2		Tare	41720 lb
					Net	59800 lb
					Tons	29.90

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.90	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.90	Tons				

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50374

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 07:51:07	Scale 1	kfunk2		Gross	85960 lb
Out	09/18/2020 07:51:07		kfunk2		Tare	40320 lb
					Net	45640 lb
					Tons	22.82

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.82	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.82	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50375

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/18/2020	Vehicle#	WCW19
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JAMIE GREENE
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 07:55:23	Scale 1	kfunk2		Gross	75540 lb
Out	09/18/2020 08:04:44	Scale 1	kfunk2		Tare	31440 lb
					Net	44100 lb
					Tons	22.05

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.05	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.05	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Jamie Green

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50376

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7S
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 07:57:50	Scale 1	kfunk2		Gross	53940 lb
Out	09/18/2020 08:06:22	Scale 1	kfunk2		Tare	26180 lb
					Net	27760 lb
					Tons	13.88

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	13.88	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	13.88	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50383

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 08:25:09	Scale 1	kfunk2		Gross	51000 lb
Out	09/18/2020 08:25:09		kfunk2		Tare	24520 lb
					Net	26480 lb
					Tons	13.24

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	13.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	13.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50384

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 08:30:18	Scale 1	kfunk2		Gross	92720 lb
Out	09/18/2020 08:30:18		kfunk2		Tare	40320 lb
					Net	52400 lb
					Tons	26.20

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.20	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.20	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50386

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 08:33:14	Scale 1	kfunk2		Gross	79440 lb
Out	09/18/2020 08:33:14		kfunk2		Tare	31440 lb
					Net	48000 lb
					Tons	24.00

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.00	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.00	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50387

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7S
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 08:34:22	Scale 1	kfunk2		Gross	56600 lb
Out	09/18/2020 08:34:22		kfunk2		Tare	26180 lb
					Net	30420 lb
					Tons	15.21

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.21	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50394
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 08:54:59	Scale 1	kfunk2		Gross	53820 lb
Out	09/18/2020 08:54:59		kfunk2		Tare	24520 lb
					Net	29300 lb
					Tons	14.65

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.65	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.65	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50395

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 08:58:37	Scale 1	kfunk2		Gross	90680 lb
Out	09/18/2020 08:58:37		kfunk2		Tare	40320 lb
					Net	50360 lb
					Tons	25.18

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.18	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.18	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50397

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 09:02:37	Scale 1	kfunk2		Gross	79940 lb
Out	09/18/2020 09:02:37		kfunk2		Tare	31440 lb
					Net	48500 lb
					Tons	24.25

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50398

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7S
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 09:04:27	Scale 1	kfunk2		Gross	59140 lb
Out	09/18/2020 09:04:27		kfunk2		Tare	26180 lb
					Net	32960 lb
					Tons	16.48

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.48	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	16.48	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50403
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 09:27:34	Scale 1	kfunk2		Gross	57780 lb
Out	09/18/2020 09:27:34		kfunk2		Tare	24520 lb
					Net	33260 lb
					Tons	16.63

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.63	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	16.63	Tons				

Total Tax
Total Ticket

Driver`s Signature D. McCombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50405

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 09:34:10	Scale 1	kfunk2		Gross	98660 lb
Out	09/18/2020 09:34:10		kfunk2		Tare	40320 lb
					Net	58340 lb
					Tons	29.17

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.17	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.17	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50407

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 09:37:28	Scale 1	kfunk2		Gross	79020 lb
Out	09/18/2020 09:37:28		kfunk2		Tare	31440 lb
					Net	47580 lb
					Tons	23.79

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.79	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.79	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50414

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 09:59:04	Scale 1	kfunk2		Gross	53480 lb
Out	09/18/2020 09:59:04		kfunk2		Tare	24520 lb
					Net	28960 lb
					Tons	14.48

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.48	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.48	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. McCombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50415

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 10:02:24	Scale 1	kfunk2		Gross	95600 lb
Out	09/18/2020 10:02:24		kfunk2		Tare	40320 lb
					Net	55280 lb
					Tons	27.64

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.64	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.64	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemens

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50425

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:11:39	Scale 1	kfunk2		Gross	55960 lb
Out	09/18/2020 11:11:39		kfunk2		Tare	24520 lb
					Net	31440 lb
					Tons	15.72

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.72	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.72	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50426

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55 Volume
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:12:59	Scale 1	kfunk2		Gross	105300 lb
Out	09/18/2020 11:12:59		kfunk2		Tare	44620 lb
					Net	60680 lb
					Tons	30.34

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.34	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.34	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50429

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7S
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 09:39:05	Scale 1	kfunk2		Gross	56820 lb*
Out	09/18/2020 09:39:05		kfunk2		Tare	26180 lb*
			* Manual Weight		Net	30640 lb
					Tons	15.32

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.32	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.32	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50430

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7S
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:20:11	Scale 1	kfunk2		Gross	61060 lb
Out	09/18/2020 11:20:11		kfunk2		Tare	26180 lb
					Net	34880 lb
					Tons	17.44

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.44	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	17.44	Tons				

Total Tax
Total Ticket

Driver`s Signature E Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50431

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:22:02	Scale 1	kfunk2		Gross	81700 lb
Out	09/18/2020 11:22:02		kfunk2		Tare	31440 lb
					Net	50260 lb
					Tons	25.13

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.13	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.13	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50432

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:25:47	Scale 1	kfunk2		Gross	95880 lb
Out	09/18/2020 11:25:47		kfunk2		Tare	40320 lb
					Net	55560 lb
					Tons	27.78

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.78	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.78	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50435

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:38:18	Scale 1	kfunk2		Gross	54460 lb
Out	09/18/2020 11:38:18		kfunk2		Tare	24520 lb
					Net	29940 lb
					Tons	14.97

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.97	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.97	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50437

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55 Volume
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:45:52	Scale 1	kfunk2		Gross	104820 lb
Out	09/18/2020 11:45:52		kfunk2		Tare	44620 lb
					Net	60200 lb
					Tons	30.10

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.10	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.10	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50440
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/18/2020	Vehicle#	WCW19
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JAMIE GREENE
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 11:59:05	Scale 1	kfunk2		Gross	80300 lb
Out	09/18/2020 11:59:05		kfunk2		Tare	31440 lb
					Net	48860 lb
					Tons	24.43

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.43	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50441

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 12:02:26	Scale 1	kfunk2		Gross	89640 lb
Out	09/18/2020 12:02:26		kfunk2		Tare	40320 lb
					Net	49320 lb
					Tons	24.66

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.66	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	24.66	Tons				

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50444
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/18/2020	Vehicle#	M5S
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DUSTIN MCCOMBS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 12:07:19	Scale 1	kfunk2		Gross	50520 lb
Out	09/18/2020 12:07:19		kfunk2		Tare	24520 lb
					Net	26000 lb
					Tons	13.00

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	13.00	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	13.00	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50449

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 12:23:17	Scale 1	kfunk2		Gross	101720 lb
Out	09/18/2020 12:23:17		kfunk2		Tare	44620 lb
					Net	57100 lb
					Tons	28.55

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.55	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.55	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50452

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 12:33:32	Scale 1	kfunk2		Gross	80520 lb
Out	09/18/2020 12:33:32		kfunk2		Tare	31440 lb
					Net	49080 lb
					Tons	24.54

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.54	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.54	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50453

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 12:36:40	Scale 1	kfunk2		Gross	86600 lb
Out	09/18/2020 12:36:40		kfunk2		Tare	40320 lb
					Net	46280 lb
					Tons	23.14

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.14	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.14	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50454

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 12:40:47	Scale 1	kfunk2		Gross	56880 lb
Out	09/18/2020 12:40:47		kfunk2		Tare	24520 lb
					Net	32360 lb
					Tons	16.18

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.18	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	16.18	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50459

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:01:21	Scale 1	kfunk2		Gross	107500 lb
Out	09/18/2020 13:01:21		kfunk2		Tare	44620 lb
					Net	62880 lb
					Tons	31.44

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.44	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.44	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Bill Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50460

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:04:41	Scale 1	kfunk2		Gross	82640 lb
Out	09/18/2020 13:04:41		kfunk2		Tare	31440 lb
					Net	51200 lb
					Tons	25.60

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.60	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.60	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50461

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:09:14	Scale 1	kfunk2		Gross	92480 lb
Out	09/18/2020 13:09:14		kfunk2		Tare	40320 lb
					Net	52160 lb
					Tons	26.08

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.08	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.08	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50463

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:11:44	Scale 1	kfunk2		Gross	57240 lb
Out	09/18/2020 13:11:44		kfunk2		Tare	24520 lb
					Net	32720 lb
					Tons	16.36

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.36	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	16.36	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50469

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/18/2020	Vehicle#	MWT55
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	BILL COOK
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:36:31	Scale 1	kfunk2		Gross	99660 lb
Out	09/18/2020 13:36:31		kfunk2		Tare	44620 lb
					Net	55040 lb
					Tons	27.52

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.52	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.52	Tons				KING

Total Tax
Total Ticket

Driver`s Signature B. Cook

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50470

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:38:00	Scale 1	kfunk2		Gross	82780 lb
Out	09/18/2020 13:38:00		kfunk2		Tare	31440 lb
					Net	51340 lb
					Tons	25.67

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.67	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.67	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50473

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:45:18	Scale 1	kfunk2		Gross	86480 lb
Out	09/18/2020 13:45:18		kfunk2		Tare	40320 lb
					Net	46160 lb
					Tons	23.08

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.08	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.08	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50475
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5S
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 13:51:39	Scale 1	kfunk2		Gross	53720 lb
Out	09/18/2020 13:51:39		kfunk2		Tare	24520 lb
					Net	29200 lb
					Tons	14.60

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.60	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.60	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50479

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MWT55
Container
Driver BILL COOK
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 14:12:25	Scale 1	kfunk2		Gross	111740 lb
Out	09/18/2020 14:12:25		kfunk2		Tare	44620 lb
					Net	67120 lb
					Tons	33.56

Comments MWT-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.56	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.56	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50480

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/18/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/18/2020 14:16:11	Scale 1	kfunk2		Gross	83840 lb
Out	09/18/2020 14:16:11		kfunk2		Tare	31440 lb
					Net	52400 lb
					Tons	26.20

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.20	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.20	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Jamie Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50545
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 09:59:40	Scale 1	kfunk2		Gross	96520 lb
Out	09/21/2020 09:59:40		kfunk2		Tare	40320 lb
					Net	56200 lb
					Tons	28.10

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.10	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.10	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50547

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 10:08:57	Scale 1	kfunk2		Gross	103800 lb
Out	09/21/2020 10:08:57		kfunk2		Tare	41720 lb
					Net	62080 lb
					Tons	31.04

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.04	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.04	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50550

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 10:30:05	Scale 1	kfunk2		Gross	92760 lb
Out	09/21/2020 10:30:05		kfunk2		Tare	40320 lb
					Net	52440 lb
					Tons	26.22

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.22	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.22	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50548

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 10:12:29	Scale 1	kfunk2		Gross	96800 lb
Out	09/21/2020 10:33:33	Scale 1	kfunk2		Tare	41820 lb
					Net	54980 lb
					Tons	27.49

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.49	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.49	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50553

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 10:50:02	Scale 1	kfunk2		Gross	104380 lb
Out	09/21/2020 10:50:02		kfunk2		Tare	41720 lb
					Net	62660 lb
					Tons	31.33

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.33	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.33	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50555

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 10:59:49	Scale 1	kfunk2		Gross	101720 lb
Out	09/21/2020 10:59:49		kfunk2		Tare	41820 lb
					Net	59900 lb
					Tons	29.95

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.95	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.95	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50556

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 11:01:35	Scale 1	kfunk2		Gross	94340 lb
Out	09/21/2020 11:01:35		kfunk2		Tare	40320 lb
					Net	54020 lb
					Tons	27.01

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.01	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.01	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50558

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/21/2020	Vehicle#	WCW7
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	ED GORDON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 11:20:39	Scale 1	kfunk2		Gross	104000 lb
Out	09/21/2020 11:20:39		kfunk2		Tare	41720 lb
					Net	62280 lb
					Tons	31.14

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.14	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.14	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50560

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 11:33:52	Scale 1	kfunk2		Gross	104420 lb
Out	09/21/2020 11:33:52		kfunk2		Tare	41820 lb
					Net	62600 lb
					Tons	31.30

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.30	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.30	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50563

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 11:38:12	Scale 1	kfunk2		Gross	88140 lb
Out	09/21/2020 11:38:12		kfunk2		Tare	40320 lb
					Net	47820 lb
					Tons	23.91

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.91	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.91	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50564

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 11:50:37	Scale 1	kfunk2		Gross	106680 lb
Out	09/21/2020 11:50:37		kfunk2		Tare	41720 lb
					Net	64960 lb
					Tons	32.48

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.48	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.48	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50565

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 12:14:09	Scale 1	kfunk2		Gross	100340 lb
Out	09/21/2020 12:14:09		kfunk2		Tare	41820 lb
					Net	58520 lb
					Tons	29.26

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.26	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.26	Tons				

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50566

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 12:15:31	Scale 1	kfunk2		Gross	91300 lb
Out	09/21/2020 12:15:31		kfunk2		Tare	40320 lb
					Net	50980 lb
					Tons	25.49

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.49	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.49	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50567

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 12:21:34	Scale 1	kfunk2		Gross	100240 lb
Out	09/21/2020 12:21:34		kfunk2		Tare	41720 lb
					Net	58520 lb
					Tons	29.26

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.26	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.26	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Ed Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50570
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 12:47:58	Scale 1	kfunk2		Gross	94700 lb
Out	09/21/2020 12:47:58		kfunk2		Tare	41820 lb
					Net	52880 lb
					Tons	26.44

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.44	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.44	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50571

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 12:49:10	Scale 1	kfunk2		Gross	89500 lb
Out	09/21/2020 12:49:10		kfunk2		Tare	40320 lb
					Net	49180 lb
					Tons	24.59

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.59	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.59	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50574

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 12:56:56	Scale 1	kfunk2		Gross	104580 lb
Out	09/21/2020 12:56:56		kfunk2		Tare	41720 lb
					Net	62860 lb
					Tons	31.43

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.43	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50575

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 13:24:17	Scale 1	kfunk2		Gross	94180 lb
Out	09/21/2020 13:24:17		kfunk2		Tare	41820 lb
					Net	52360 lb
					Tons	26.18

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.18	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.18	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50576

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 13:25:35	Scale 1	kfunk2		Gross	86640 lb
Out	09/21/2020 13:25:35		kfunk2		Tare	40320 lb
					Net	46320 lb
					Tons	23.16

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.16	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.16	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50577

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 13:36:11	Scale 1	kfunk2		Gross	97660 lb
Out	09/21/2020 13:36:11		kfunk2		Tare	41720 lb
					Net	55940 lb
					Tons	27.97

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.97	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.97	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50578

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 14:02:06	Scale 1	kfunk2		Gross	99300 lb
Out	09/21/2020 14:02:06		kfunk2		Tare	41820 lb
					Net	57480 lb
					Tons	28.74

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.74	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.74	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50579

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 14:03:19	Scale 1	kfunk2		Gross	87120 lb
Out	09/21/2020 14:03:19		kfunk2		Tare	40320 lb
					Net	46800 lb
					Tons	23.40

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.40	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.40	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50581

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/21/2020	Vehicle#	WCW7
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	ED GORDON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 14:15:28	Scale 1	kfunk2		Gross	100540 lb
Out	09/21/2020 14:15:28		kfunk2		Tare	41720 lb
					Net	58820 lb
					Tons	29.41

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.41	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.41	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50585

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 14:39:06	Scale 1	kfunk2		Gross	98720 lb
Out	09/21/2020 14:39:06		kfunk2		Tare	41820 lb
					Net	56900 lb
					Tons	28.45

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.45	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.45	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50586

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 14:40:19	Scale 1	kfunk2		Gross	85000 lb
Out	09/21/2020 14:40:19		kfunk2		Tare	40320 lb
					Net	44680 lb
					Tons	22.34

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.34	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.34	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50587

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	09/21/2020	Vehicle#	WCW7	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	ED GORDON		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	09/21/2020 14:46:42	Scale 1	kfunk2		Gross	101040 lb
Out	09/21/2020 14:46:42		kfunk2		Tare	41720 lb
					Net	59320 lb
					Tons	29.66

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.66	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.66	Tons				KING

Total Tax
Total Ticket

Driver`s Signature G Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50589

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 15:14:50	Scale 1	kfunk2		Gross	106660 lb
Out	09/21/2020 15:14:50		kfunk2		Tare	41820 lb
					Net	64840 lb
					Tons	32.42

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.42	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.42	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50590

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/21/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 15:26:24	Scale 1	kfunk2		Gross	97600 lb
Out	09/21/2020 15:26:24		kfunk2		Tare	40320 lb
					Net	57280 lb
					Tons	28.64

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.64	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.64	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Wade Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50591
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/21/2020	Vehicle#	WCW7
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	ED GORDON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/21/2020 15:31:11	Scale 1	kfunk2		Gross	104980 lb
Out	09/21/2020 15:31:11		kfunk2		Tare	41720 lb
					Net	63260 lb
					Tons	31.63

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.63	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.63	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50609
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/22/2020	Vehicle#	WCW22T
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	WADE CLEMONS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 07:39:23	Scale 1	kfunk2		Gross	90100 lb
Out	09/22/2020 07:39:23		kfunk2		Tare	40320 lb
					Net	49780 lb
					Tons	24.89

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.89	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.89	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50611

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 07:44:17	Scale 1	kfunk2		Gross	100220 lb
Out	09/22/2020 07:44:17		kfunk2		Tare	41720 lb
					Net	58500 lb
					Tons	29.25

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50612
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 07:45:32	Scale 1	kfunk2		Gross	100380 lb
Out	09/22/2020 07:45:32		kfunk2		Tare	41820 lb
					Net	58560 lb
					Tons	29.28

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.28	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.28	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50614
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 08:14:37	Scale 1	kfunk2		Gross	92420 lb
Out	09/22/2020 08:14:37		kfunk2		Tare	40320 lb
					Net	52100 lb
					Tons	26.05

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.05	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.05	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50615

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 08:20:42	Scale 1	kfunk2		Gross	104880 lb
Out	09/22/2020 08:20:42		kfunk2		Tare	41720 lb
					Net	63160 lb
					Tons	31.58

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.58	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.58	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50616

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

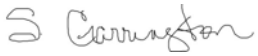
Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 08:23:07	Scale 1	kfunk2		Gross	99620 lb
Out	09/22/2020 08:23:07		kfunk2		Tare	41820 lb
					Net	57800 lb
					Tons	28.90

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.90	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.90	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50619
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/22/2020	Vehicle#	WCW22T
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	WADE CLEMONS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 08:50:58	Scale 1	kfunk2		Gross	96500 lb
Out	09/22/2020 08:50:58		kfunk2		Tare	40320 lb
					Net	56180 lb
					Tons	28.09

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.09	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	28.09	Tons				

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50621

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 08:56:48	Scale 1	kfunk2		Gross	104560 lb
Out	09/22/2020 08:56:48		kfunk2		Tare	41720 lb
					Net	62840 lb
					Tons	31.42

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.42	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.42	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50622

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 09:00:21	Scale 1	kfunk2		Gross	98960 lb
Out	09/22/2020 09:00:21		kfunk2		Tare	41820 lb
					Net	57140 lb
					Tons	28.57

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.57	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.57	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50627

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 09:23:46	Scale 1	kfunk2		Gross	92260 lb
Out	09/22/2020 09:23:46		kfunk2		Tare	40320 lb
					Net	51940 lb
					Tons	25.97

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.97	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.97	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50628

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 09:32:04	Scale 1	kfunk2		Gross	100860 lb
Out	09/22/2020 09:32:04		kfunk2		Tare	41720 lb
					Net	59140 lb
					Tons	29.57

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.57	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.57	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50629

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 09:34:33	Scale 1	kfunk2		Gross	98960 lb
Out	09/22/2020 09:34:33		kfunk2		Tare	41820 lb
					Net	57140 lb
					Tons	28.57

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.57	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.57	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50631

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 09:54:26	Scale 1	kfunk2		Gross	87820 lb
Out	09/22/2020 09:54:26		kfunk2		Tare	40320 lb
					Net	47500 lb
					Tons	23.75

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.75	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.75	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50634

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 10:06:06	Scale 1	kfunk2		Gross	102580 lb
Out	09/22/2020 10:06:06		kfunk2		Tare	41720 lb
					Net	60860 lb
					Tons	30.43

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.43	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50635

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 10:07:46	Scale 1	kfunk2		Gross	98440 lb
Out	09/22/2020 10:07:46		kfunk2		Tare	41820 lb
					Net	56620 lb
					Tons	28.31

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.31	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.31	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50637

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 10:36:15	Scale 1	kfunk2		Gross	91080 lb
Out	09/22/2020 10:36:15		kfunk2		Tare	40320 lb
					Net	50760 lb
					Tons	25.38

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.38	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	25.38	Tons				

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50639

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 11:03:54	Scale 1	kfunk2		Gross	106660 lb
Out	09/22/2020 11:03:54		kfunk2		Tare	41720 lb
					Net	64940 lb
					Tons	32.47

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.47	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.47	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50640

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 11:05:36	Scale 1	kfunk2		Gross	100380 lb
Out	09/22/2020 11:05:36		kfunk2		Tare	41820 lb
					Net	58560 lb
					Tons	29.28

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.28	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.28	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 50641

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 11:07:15	Scale 1	kfunk2		Gross	92640 lb
Out	09/22/2020 11:07:15		kfunk2		Tare	40320 lb
					Net	52320 lb
					Tons	26.16

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.16	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.16	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50647

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	09/22/2020	Vehicle#	WCW7	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	ED GORDON		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	09/22/2020 11:38:46	Scale 1	kfunk2		Gross	102960 lb
Out	09/22/2020 11:38:46		kfunk2		Tare	41720 lb
					Net	61240 lb
					Tons	30.62

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.62	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.62	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50650

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 11:43:41	Scale 1	kfunk2		Gross	105140 lb
Out	09/22/2020 11:43:41		kfunk2		Tare	41820 lb
					Net	63320 lb
					Tons	31.66

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.66	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.66	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50652
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 11:47:37	Scale 1	kfunk2		Gross	98700 lb
Out	09/22/2020 11:47:37		kfunk2		Tare	40320 lb
					Net	58380 lb
					Tons	29.19

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.19	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.19	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50654

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 12:15:51	Scale 1	kfunk2		Gross	109220 lb
Out	09/22/2020 12:15:51		kfunk2		Tare	41720 lb
					Net	67500 lb
					Tons	33.75

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.75	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.75	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50655

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/22/2020	Vehicle#	WCW9
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	SCOTT GARRINGTON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 12:20:21	Scale 1	kfunk2		Gross	102800 lb
Out	09/22/2020 12:20:21		kfunk2		Tare	41820 lb
					Net	60980 lb
					Tons	30.49

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.49	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.49	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50656

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 12:23:00	Scale 1	kfunk2		Gross	95260 lb
Out	09/22/2020 12:23:00		kfunk2		Tare	40320 lb
					Net	54940 lb
					Tons	27.47

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.47	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.47	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50663

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 13:01:51	Scale 1	kfunk2		Gross	111680 lb
Out	09/22/2020 13:01:51		kfunk2		Tare	41720 lb
					Net	69960 lb
					Tons	34.98

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.98	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	34.98	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 50664
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW9
Container
Driver SCOTT GARRINGTON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 13:03:01	Scale 1	kfunk2		Gross	98840 lb
Out	09/22/2020 13:03:01		kfunk2		Tare	41820 lb
					Net	57020 lb
					Tons	28.51

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.51	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.51	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 50665

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW22T
Container
Driver WADE CLEMONS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/22/2020 13:05:07	Scale 1	kfunk2		Gross	93020 lb
Out	09/22/2020 13:05:07		kfunk2		Tare	40320 lb
					Net	52700 lb
					Tons	26.35

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.35	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.35	Tons				KING

Total Tax
Total Ticket

Driver`s Signature W. Clemons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51223

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 07:29:16	Scale 1	Kfunk2		Gross	92340 lb
Out	09/30/2020 07:29:16		Kfunk2		Tare	41720 lb
					Net	50620 lb
					Tons	25.31

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.31	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.31	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51224

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 07:33:48	Scale 1	Kfunk2		Gross	68180 lb
Out	09/30/2020 07:33:48		Kfunk2		Tare	31440 lb
					Net	36740 lb
					Tons	18.37

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.37	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	18.37	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51225

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 07:39:24	Scale 1	Kfunk2		Gross	82920 lb
Out	09/30/2020 07:39:24		Kfunk2		Tare	36780 lb
					Net	46140 lb
					Tons	23.07

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.07	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.07	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 51230

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 08:09:29	Scale 1	Kfunk2		Gross	96840 lb
Out	09/30/2020 08:09:29		Kfunk2		Tare	41720 lb
					Net	55120 lb
					Tons	27.56

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.56	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.56	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 51232

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 08:17:21	Scale 1	Kfunk2		Gross	75680 lb
Out	09/30/2020 08:17:21		Kfunk2		Tare	31440 lb
					Net	44240 lb
					Tons	22.12

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.12	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.12	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51233

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 08:19:39	Scale 1	Kfunk2		Gross	85700 lb
Out	09/30/2020 08:19:39		Kfunk2		Tare	36780 lb
					Net	48920 lb
					Tons	24.46

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.46	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.46	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51245

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 10:01:00	Scale 1	Kfunk2		Gross	80520 lb
Out	09/30/2020 10:01:00		Kfunk2		Tare	36780 lb
					Net	43740 lb
					Tons	21.87

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.87	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.87	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51248

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 10:07:09	Scale 1	Kfunk2		Gross	93540 lb
Out	09/30/2020 10:07:09		Kfunk2		Tare	41720 lb
					Net	51820 lb
					Tons	25.91

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.91	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.91	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 51250
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/30/2020	Vehicle#	WCW19
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JAMIE GREENE
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 10:10:51	Scale 1	Kfunk2		Gross	75520 lb
Out	09/30/2020 10:10:51		Kfunk2		Tare	31440 lb
					Net	44080 lb
					Tons	22.04

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.04	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.04	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51255

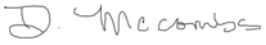
Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	09/30/2020	Vehicle#	M5	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	DUSTIN MCCOMBS		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	09/30/2020 10:36:26	Scale 1	Kfunk2		Gross	83700 lb
Out	09/30/2020 10:36:26		Kfunk2		Tare	36780 lb
					Net	46920 lb
					Tons	23.46

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.46	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.46	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 51260
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	09/30/2020	Vehicle#	WCW7	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	ED GORDON		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	09/30/2020 11:05:49	Scale 1	Kfunk2		Gross	88220 lb
Out	09/30/2020 11:05:49		Kfunk2		Tare	41720 lb
					Net	46500 lb
					Tons	23.25

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51265

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 11:26:02	Scale 1	Kfunk2		Gross	67540 lb
Out	09/30/2020 11:26:02		Kfunk2		Tare	31440 lb
					Net	36100 lb
					Tons	18.05

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.05	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	18.05	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51267

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 11:33:54	Scale 1	Kfunk2		Gross	82000 lb
Out	09/30/2020 11:33:54		Kfunk2		Tare	36780 lb
					Net	45220 lb
					Tons	22.61

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.61	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.61	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 51268

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 11:52:05	Scale 1	Kfunk2		Gross	98580 lb
Out	09/30/2020 11:52:05		Kfunk2		Tare	41720 lb
					Net	56860 lb
					Tons	28.43

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	28.43	Tons				

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 51272
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 12:07:34	Scale 1	Kfunk2		Gross	72100 lb
Out	09/30/2020 12:07:34		Kfunk2		Tare	31440 lb
					Net	40660 lb
					Tons	20.33

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.33	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.33	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51276

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 12:14:07	Scale 1	Kfunk2		Gross	89080 lb
Out	09/30/2020 12:14:07		Kfunk2		Tare	36780 lb
					Net	52300 lb
					Tons	26.15

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.15	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.15	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51283

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 13:05:27	Scale 1	Kfunk2		Gross	68820 lb
Out	09/30/2020 13:05:27		Kfunk2		Tare	31440 lb
					Net	37380 lb
					Tons	18.69

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.69	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	18.69	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51287

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 13:12:47	Scale 1	Kfunk2		Gross	93820 lb
Out	09/30/2020 13:12:47		Kfunk2		Tare	41720 lb
					Net	52100 lb
					Tons	26.05

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.05	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.05	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51295

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 13:37:27	Scale 1	Kfunk2		Gross	71520 lb
Out	09/30/2020 13:37:27		Kfunk2		Tare	31440 lb
					Net	40080 lb
					Tons	20.04

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.04	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.04	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51297

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 13:49:58	Scale 1	Kfunk2		Gross	96560 lb
Out	09/30/2020 13:49:58		Kfunk2		Tare	41720 lb
					Net	54840 lb
					Tons	27.42

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.42	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.42	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51303

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 14:13:30	Scale 1	Kfunk2		Gross	73840 lb
Out	09/30/2020 14:13:30		Kfunk2		Tare	31440 lb
					Net	42400 lb
					Tons	21.20

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.20	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.20	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51309

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 14:25:59	Scale 1	Kfunk2		Gross	98160 lb
Out	09/30/2020 14:25:59		Kfunk2		Tare	41720 lb
					Net	56440 lb
					Tons	28.22

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.22	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.22	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51310

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 14:37:18	Scale 1	Kfunk2		Gross	89020 lb
Out	09/30/2020 14:37:18		Kfunk2		Tare	36780 lb
					Net	52240 lb
					Tons	26.12

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.12	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	26.12	Tons				

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 51311

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/30/2020	Vehicle#	WCW19
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JAMIE GREENE
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 14:44:25	Scale 1	Kfunk2		Gross	82220 lb
Out	09/30/2020 14:44:25		Kfunk2		Tare	31440 lb
					Net	50780 lb
					Tons	25.39

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.39	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.39	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51313

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW7
Container
Driver ED GORDON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 15:05:25	Scale 1	Kfunk2		Gross	100440 lb
Out	09/30/2020 15:05:25		Kfunk2		Tare	41720 lb
					Net	58720 lb
					Tons	29.36

Comments OMA-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.36	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.36	Tons				KING

Total Tax
Total Ticket

Driver`s Signature E. Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51315

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M5
Container
Driver DUSTIN MCCOMBS
Check#
Billing# 0000344
Grid

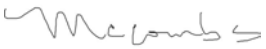
Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 15:11:13	Scale 1	Kfunk2		Gross	90160 lb
Out	09/30/2020 15:11:13		Kfunk2		Tare	36780 lb
					Net	53380 lb
					Tons	26.69

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.69	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.69	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51316

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 15:15:19	Scale 1	Kfunk2		Gross	78800 lb
Out	09/30/2020 15:15:19		Kfunk2		Tare	31440 lb
					Net	47360 lb
					Tons	23.68

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.68	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.68	Tons				KING

Total Tax
Total Ticket

Driver`s Signature J. Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 51323

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/30/2020	Vehicle#	WCW7
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	ED GORDON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 15:42:25	Scale 1	Kfunk2		Gross	101280 lb
Out	09/30/2020 15:42:25		Kfunk2		Tare	41720 lb
					Net	59560 lb
					Tons	29.78

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.78	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.78	Tons				

Total Tax
Total Ticket

Driver`s Signature E Gordon

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51325

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	09/30/2020	Vehicle#	M5
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DUSTIN MCCOMBS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 15:48:24	Scale 1	Kfunk2		Gross	87260 lb
Out	09/30/2020 15:48:24		Kfunk2		Tare	36780 lb
					Net	50480 lb
					Tons	25.24

Comments MCCOMBS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature Mccombs

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 51326

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 09/30/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# WCW19
Container
Driver JAMIE GREENE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	09/30/2020 15:55:23	Scale 1	Kfunk2		Gross	73540 lb
Out	09/30/2020 15:55:23		Kfunk2		Tare	31440 lb
					Net	42100 lb
					Tons	21.05

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.05	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	21.05	Tons				

Total Tax
Total Ticket

Driver`s Signature J Greene

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 52265
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 08:05:31	Scale 1	kfunk2		Gross	86420 lb
Out	10/08/2020 08:05:31		kfunk2		Tare	37560 lb
					Net	48860 lb
					Tons	24.43

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	24.43	Tons				

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52281

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 08:48:37	Scale 1	kfunk2		Gross	87080 lb
Out	10/08/2020 08:48:37		kfunk2		Tare	37560 lb
					Net	49520 lb
					Tons	24.76

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.76	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.76	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52298

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765 Volume
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	10/08/2020 09:37:23	Scale 1	kfunk2		Gross	89420 lb
Out	10/08/2020 09:37:23		kfunk2		Tare	37560 lb
					Net	51860 lb
					Tons	25.93

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.93	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.93	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 52313
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	10/08/2020	Vehicle#	ECI765
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MICHAEL EMERSON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 10:30:24	Scale 1	kfunk2		Gross	91140 lb
Out	10/08/2020 10:30:24		kfunk2		Tare	37560 lb
					Net	53580 lb
					Tons	26.79

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.79	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.79	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52341

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 11:41:04	Scale 1	kfunk2		Gross	90320 lb
Out	10/08/2020 11:41:04		kfunk2		Tare	37560 lb
					Net	52760 lb
					Tons	26.38

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.38	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.38	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52357

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765 Volume
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	10/08/2020 12:25:15	Scale 1	kfunk2		Gross	93600 lb
Out	10/08/2020 12:25:15		kfunk2		Tare	37560 lb
					Net	56040 lb
					Tons	28.02

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.02	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.02	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52376

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	10/08/2020	Vehicle#	ECI765
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MICHAEL EMERSON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 13:11:48	Scale 1	kfunk2		Gross	94160 lb
Out	10/08/2020 13:11:48		kfunk2		Tare	37560 lb
					Net	56600 lb
					Tons	28.30

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.30	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.30	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52387

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	10/08/2020	Vehicle#	WCW9
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	SCOTT GARRINGTON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 13:37:17	Scale 1	kfunk2		Gross	100240 lb
Out	10/08/2020 13:37:17		kfunk2		Tare	41820 lb
					Net	58420 lb
					Tons	29.21

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.21	Tons				

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52388

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MLC2
Container
Driver MARION KAIN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 13:40:23	Scale 1	kfunk2		Gross	91920 lb
Out	10/08/2020 13:56:36	Scale 1	kfunk2		Tare	37960 lb
					Net	53960 lb
					Tons	26.98

Comments MLC-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.98	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.98	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Kain

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52399

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 14:05:25	Scale 1	kfunk2		Gross	90760 lb
Out	10/08/2020 14:05:25		kfunk2		Tare	37560 lb
					Net	53200 lb
					Tons	26.60

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.60	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.60	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 52405

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	10/08/2020	Vehicle#	WCW9
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	SCOTT GARRINGTON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 14:23:41	Scale 1	kfunk2		Gross	96780 lb
Out	10/08/2020 14:23:41		kfunk2		Tare	41820 lb
					Net	54960 lb
					Tons	27.48

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.48	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.48	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52406

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MLC2
Container
Driver MARION KAIN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 14:32:48	Scale 1	kfunk2		Gross	92100 lb
Out	10/08/2020 14:32:48		kfunk2		Tare	37960 lb
					Net	54140 lb
					Tons	27.07

Comments MLC-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.07	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.07	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Kain

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52410

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# ECI765
Container
Driver MICHAEL EMERSON
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 14:53:16	Scale 1	kfunk2		Gross	87860 lb
Out	10/08/2020 14:53:16		kfunk2		Tare	37560 lb
					Net	50300 lb
					Tons	25.15

Comments ECI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.15	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.15	Tons				KING

Total Tax
Total Ticket

Driver`s Signature M. Emerson

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 52417

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	10/08/2020	Vehicle#	WCW9
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	SCOTT GARRINGTON
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 15:16:07	Scale 1	kfunk2		Gross	101140 lb
Out	10/08/2020 15:16:07		kfunk2		Tare	41820 lb
					Net	59320 lb
					Tons	29.66

Comments WCW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.66	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.66	Tons				KING

Total Tax
Total Ticket

Driver`s Signature S. Garrington

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 52419

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# MLC2
Container
Driver MARION KAIN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/08/2020 15:24:15	Scale 1	kfunk2		Gross	62820 lb
Out	10/08/2020 15:24:15		kfunk2		Tare	37960 lb
					Net	24860 lb
					Tons	12.43

Comments MMLC-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	12.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	12.43	Tons				

Total Tax
Total Ticket

Driver`s Signature M Kain

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54973

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 07:44:34	Scale 1	kfunk2		Gross	62800 lb
Out	11/02/2020 07:44:34		kfunk2		Tare	32280 lb
					Net	30520 lb
					Tons	15.26

Comments VAN DAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.26	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.26	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Vandele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 54974
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V1
Container
Driver TOM SHANAHAN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 07:49:50	Scale 1	kfunk2		Gross	72960 lb
Out	11/02/2020 08:00:59	Scale 1	kfunk2		Tare	31900 lb
					Net	41060 lb
					Tons	20.53

Comments VAN VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.53	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.53	Tons				KING

Total Tax
Total Ticket

Driver`s Signature T. Shanahan

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54978

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 08:42:02	Scale 1	kfunk2		Gross	71020 lb
Out	11/02/2020 08:42:02		kfunk2		Tare	32280 lb
					Net	38740 lb
					Tons	19.37

Comments VANDAELE-LF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	19.37	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	19.37	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 54979
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	11/02/2020	Vehicle#	V1
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	TOM SHANAHAN
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 08:46:13	Scale 1	kfunk2		Gross	73800 lb
Out	11/02/2020 08:46:13		kfunk2		Tare	31900 lb
					Net	41900 lb
					Tons	20.95

Comments VANDERDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.95	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.95	Tons				KING

Total Tax
Total Ticket

Driver`s Signature T. Shanahan

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54984

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 09:24:20	Scale 1	kfunk2		Gross	75000 lb
Out	11/02/2020 09:24:20		kfunk2		Tare	32280 lb
					Net	42720 lb
					Tons	21.36

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.36	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.36	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 54985

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V1
Container
Driver TOM SHANAHAN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 09:31:50	Scale 1	kfunk2		Gross	69680 lb
Out	11/02/2020 09:31:50		kfunk2		Tare	31900 lb
					Net	37780 lb
					Tons	18.89

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.89	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	18.89	Tons				KING

Total Tax
Total Ticket

Driver`s Signature T. Shanahan

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54988

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

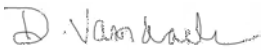
Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 10:21:26	Scale 1	kfunk2		Gross	77280 lb
Out	11/02/2020 10:21:26		kfunk2		Tare	32280 lb
					Net	45000 lb
					Tons	22.50

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.50	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.50	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54989

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V1
Container
Driver TOM SHANAHAN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 10:25:35	Scale 1	kfunk2		Gross	74920 lb
Out	11/02/2020 10:25:35		kfunk2		Tare	31900 lb
					Net	43020 lb
					Tons	21.51

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.51	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	21.51	Tons				

Total Tax
Total Ticket

Driver`s Signature T. Shanahan

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54991

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 10:56:09	Scale 1	kfunk2		Gross	82560 lb
Out	11/02/2020 10:56:09		kfunk2		Tare	32280 lb
					Net	50280 lb
					Tons	25.14

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.14	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	25.14	Tons				

Total Tax
Total Ticket

Driver`s Signature D. Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54992

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V1
Container
Driver TOM SHANAHAN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 10:57:23	Scale 1	kfunk2		Gross	78380 lb
Out	11/02/2020 10:57:23		kfunk2		Tare	31900 lb
					Net	46480 lb
					Tons	23.24

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature T. Shanahan

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54994

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V4
Container
Driver DAN VANDAELE
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 11:40:55	Scale 1	kfunk2		Gross	80840 lb
Out	11/02/2020 11:40:55		kfunk2		Tare	32280 lb
					Net	48560 lb
					Tons	24.28

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.28	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.28	Tons				KING

Total Tax
Total Ticket

Driver`s Signature D. Vandaele

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54997

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V1
Container
Driver TOM SHANAHAN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 11:46:46	Scale 1	kfunk2		Gross	72280 lb
Out	11/02/2020 11:46:46		kfunk2		Tare	31900 lb
					Net	40380 lb
					Tons	20.19

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.19	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.19	Tons				KING

Total Tax
Total Ticket

Driver`s Signature T. Shanahan

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 54998

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 11/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# V1
Container
Driver TOM SHANAHAN
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/02/2020 12:25:56	Scale 1	kfunk2		Gross	59940 lb
Out	11/02/2020 12:25:56		kfunk2		Tare	31900 lb
					Net	28040 lb
					Tons	14.02

Comments VANDAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.02	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.02	Tons				KING

Total Tax
Total Ticket

Driver`s Signature T. Shanahan

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72254
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	05/11/2022	Vehicle#	TIGER10
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DAVID BOSTIC
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 08:13:48	Scale 1	kfunk2		Gross	94020 lb
Out	05/11/2022 08:24:40	Scale 1	kfunk2		Tare	43280 lb
					Net	50740 lb
					Tons	25.37

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.37	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.37	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 72256

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	05/11/2022	Vehicle#	TIGER66
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	ADRIAN RUNAAS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 08:18:17	Scale 1	kfunk2		Gross	84720 lb
Out	05/11/2022 08:32:07	Scale 1	kfunk2		Tare	43880 lb
					Net	40840 lb
					Tons	20.42

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.42	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.42	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72261
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	05/11/2022	Vehicle#	TIGER10
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DAVID BOSTIC
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 09:01:51	Scale 1	kfunk2		Gross	85200 lb
Out	05/11/2022 09:01:51		kfunk2		Tare	43280 lb
					Net	41920 lb
					Tons	20.96

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.96	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	20.96	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72263
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	05/11/2022	Vehicle#	TIGER66
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	ADRIAN RUNAAS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 09:14:19	Scale 1	kfunk2		Gross	91680 lb
Out	05/11/2022 09:14:19		kfunk2		Tare	43880 lb
					Net	47800 lb
					Tons	23.90

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.90	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.90	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 72267

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER10
Container
Driver DAVID BOSTIC
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 09:45:12	Scale 1	kfunk2		Gross	87780 lb
Out	05/11/2022 09:45:12		kfunk2		Tare	43280 lb
					Net	44500 lb
					Tons	22.25

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature DB

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72268
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER66
Container
Driver ADRIAN RUNAAS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 09:54:32	Scale 1	kfunk2		Gross	89600 lb
Out	05/11/2022 09:54:32		kfunk2		Tare	43880 lb
					Net	45720 lb
					Tons	22.86

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72271
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	05/11/2022	Vehicle#	TIGER10
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	DAVID BOSTIC
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 10:24:13	Scale 1	kfunk2		Gross	94900 lb
Out	05/11/2022 10:24:13		kfunk2		Tare	43280 lb
					Net	51620 lb
					Tons	25.81

Comments TIGERKF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.81	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.81	Tons				KING

Total Tax
Total Ticket

Driver`s Signature DB

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72275
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER66
Container
Driver ADRIAN RUNAAS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 10:51:52	Scale 1	kfunk2		Gross	90800 lb
Out	05/11/2022 10:51:52		kfunk2		Tare	43880 lb
					Net	46920 lb
					Tons	23.46

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.46	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.46	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 72277

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER10
Container
Driver DAVID BOSTIC
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 11:07:17	Scale 1	kfunk2		Gross	102760 lb
Out	05/11/2022 11:07:17		kfunk2		Tare	43280 lb
					Net	59480 lb
					Tons	29.74

Comments TIGR-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.74	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.74	Tons				KING

Total Tax
Total Ticket

Driver`s Signature DB

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72284
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER66
Container
Driver ADRIAN RUNAAS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 11:41:11	Scale 1	kfunk2		Gross	91160 lb
Out	05/11/2022 11:41:11		kfunk2		Tare	43880 lb
					Net	47280 lb
					Tons	23.64

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.64	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	23.64	Tons				

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 72285

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER10
Container
Driver DAVID BOSTIC
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 11:55:29	Scale 1	kfunk2		Gross	96780 lb
Out	05/11/2022 11:55:29		kfunk2		Tare	43280 lb
					Net	53500 lb
					Tons	26.75

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.75	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.75	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 72286

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	05/11/2022	Vehicle#	TIGER66	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	ADRIAN RUNAAS		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	05/11/2022 12:27:12	Scale 1	kfunk2		Gross	110700 lb
Out	05/11/2022 12:27:12		kfunk2		Tare	43880 lb
					Net	66820 lb
					Tons	33.41

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.41	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.41	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 72289

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER10
Container
Driver DAVID BOSTIC
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 12:39:52	Scale 1	kfunk2		Gross	105560 lb
Out	05/11/2022 12:39:52		kfunk2		Tare	43280 lb
					Net	62280 lb
					Tons	31.14

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.14	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.14	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72293
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER66
Container
Driver ADRIAN RUNAAS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 13:14:20	Scale 1	kfunk2		Gross	118420 lb
Out	05/11/2022 13:14:20		kfunk2		Tare	43880 lb
					Net	74540 lb
					Tons	37.27

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	37.27	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	37.27	Tons				

Total Tax
Total Ticket

Driver`s Signature AR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 72295
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 05/11/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# TIGER10
Container
Driver DAVID BOSTIC
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/11/2022 13:28:07	Scale 1	kfunk2		Gross	89420 lb
Out	05/11/2022 13:28:07		kfunk2		Tare	43280 lb
					Net	46140 lb
					Tons	23.07

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.07	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.07	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74938
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound	Gross	101080 lb
In	08/29/2022 08:01:26	Scale 1	kfunk2		Tare	41860 lb
Out	08/29/2022 08:11:50	Scale 1	kfunk2		Net	59220 lb
					Tons	29.61

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.61	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.61	Tons				

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74939

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 08:05:52	Scale 1	kfunk2		Gross	96380 lb
Out	08/29/2022 08:17:32	Scale 1	kfunk2		Tare	42060 lb
					Net	54320 lb
					Tons	27.16

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.16	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	27.16	Tons				

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74941
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound	Gross	89760 lb
In	08/29/2022 08:26:50	Scale 1	kfunk2		Tare	44140 lb
Out	08/29/2022 08:35:37	Scale 1	kfunk2		Net	45620 lb
					Tons	22.81

Comments JRHAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.81	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.81	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74943
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 08:39:22	Scale 1	kfunk2		Gross	98480 lb
Out	08/29/2022 08:39:22		kfunk2		Tare	41860 lb
					Net	56620 lb
					Tons	28.31

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.31	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	28.31	Tons				

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74948

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 08:50:15	Scale 1	kfunk2		Gross	96560 lb
Out	08/29/2022 08:50:15		kfunk2		Tare	42060 lb
					Net	54500 lb
					Tons	27.25

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74949

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 09:01:25	Scale 1	kfunk2		Gross	99080 lb
Out	08/29/2022 09:01:25		kfunk2		Tare	44140 lb
					Net	54940 lb
					Tons	27.47

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.47	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	27.47	Tons				

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74950
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/29/2022	Vehicle#	T11	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	MIKE VINOKUROV		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

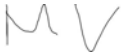
	Time	Scale	Operator	Inbound		
In	08/29/2022 09:07:12	Scale 1	kfunk2		Gross	95580 lb
Out	08/29/2022 09:07:12		kfunk2		Tare	41860 lb
					Net	53720 lb
					Tons	26.86

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74954

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 09:26:40	Scale 1	kfunk2		Gross	97780 lb
Out	08/29/2022 09:26:40		kfunk2		Tare	42060 lb
					Net	55720 lb
					Tons	27.86

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	27.86	Tons				

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74955
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 09:30:03	Scale 1	kfunk2		Gross	98460 lb
Out	08/29/2022 09:30:03		kfunk2		Tare	44140 lb
					Net	54320 lb
					Tons	27.16

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.16	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.16	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74956
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 09:35:31	Scale 1	kfunk2		Gross	97040 lb
Out	08/29/2022 09:35:31		kfunk2		Tare	41860 lb
					Net	55180 lb
					Tons	27.59

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.59	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.59	Tons				KING

Total Tax
Total Ticket

Driver`s Signature MV

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74958

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 09:58:26	Scale 1	kfunk2		Gross	101860 lb
Out	08/29/2022 09:58:26		kfunk2		Tare	42060 lb
					Net	59800 lb
					Tons	29.90

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.90	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.90	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74959

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 10:01:40	Scale 1	kfunk2		Gross	100520 lb
Out	08/29/2022 10:01:40		kfunk2		Tare	44140 lb
					Net	56380 lb
					Tons	28.19

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.19	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.19	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74960
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 10:04:40	Scale 1	kfunk2		Gross	99900 lb
Out	08/29/2022 10:04:40		kfunk2		Tare	41860 lb
					Net	58040 lb
					Tons	29.02

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.02	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.02	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74963
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T12
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	KENETH LUNDSTROM
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 10:30:18	Scale 1	kfunk2		Gross	97680 lb
Out	08/29/2022 10:30:18		kfunk2		Tare	42060 lb
					Net	55620 lb
					Tons	27.81

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.81	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.81	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74964

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87 Volume
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	08/29/2022 10:32:52	Scale 1	kfunk2		Gross	100560 lb
Out	08/29/2022 10:32:52		kfunk2		Tare	44140 lb
					Net	56420 lb
					Tons	28.21

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.21	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74965

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/29/2022	Vehicle#	T11	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	MIKE VINOKUROV		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/29/2022 10:35:12	Scale 1	kfunk2		Gross	100720 lb
Out	08/29/2022 10:35:12		kfunk2		Tare	41860 lb
					Net	58860 lb
					Tons	29.43

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.43	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.43	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74967

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 11:01:51	Scale 1	kfunk2		Gross	99180 lb
Out	08/29/2022 11:01:51		kfunk2		Tare	42060 lb
					Net	57120 lb
					Tons	28.56

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.56	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.56	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74968

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 11:04:33	Scale 1	kfunk2		Gross	101420 lb
Out	08/29/2022 11:04:33		kfunk2		Tare	44140 lb
					Net	57280 lb
					Tons	28.64

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.64	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.64	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74969
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 11:06:48	Scale 1	kfunk2		Gross	98840 lb
Out	08/29/2022 11:06:48		kfunk2		Tare	41860 lb
					Net	56980 lb
					Tons	28.49

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.49	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.49	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74973
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 11:33:31	Scale 1	kfunk2		Gross	99160 lb
Out	08/29/2022 11:33:31		kfunk2		Tare	44140 lb
					Net	55020 lb
					Tons	27.51

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.51	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.51	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74975

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 11:36:41	Scale 1	kfunk2		Gross	101120 lb
Out	08/29/2022 11:36:41		kfunk2		Tare	42060 lb
					Net	59060 lb
					Tons	29.53

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.53	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.53	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74976

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 11:38:50	Scale 1	kfunk2		Gross	101260 lb
Out	08/29/2022 11:38:50		kfunk2		Tare	41860 lb
					Net	59400 lb
					Tons	29.70

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.70	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.70	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74978
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 12:03:46	Scale 1	kfunk2		Gross	99860 lb
Out	08/29/2022 12:03:46		kfunk2		Tare	44140 lb
					Net	55720 lb
					Tons	27.86

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 74979

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/29/2022	Vehicle#	T12	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	KENETH LUNDSTROM		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/29/2022 12:07:21	Scale 1	kfunk2		Gross	101460 lb
Out	08/29/2022 12:07:21		kfunk2		Tare	42060 lb
					Net	59400 lb
					Tons	29.70

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.70	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.70	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74980
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 12:09:17	Scale 1	kfunk2		Gross	100120 lb
Out	08/29/2022 12:09:17		kfunk2		Tare	41860 lb
					Net	58260 lb
					Tons	29.13

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.13	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.13	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74985

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 12:52:32	Scale 1	kfunk2		Gross	100720 lb
Out	08/29/2022 12:52:32		kfunk2		Tare	44140 lb
					Net	56580 lb
					Tons	28.29

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.29	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.29	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74986
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T12
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	KENETH LUNDSTROM
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 12:59:13	Scale 1	kfunk2		Gross	97780 lb
Out	08/29/2022 12:59:13		kfunk2		Tare	42060 lb
					Net	55720 lb
					Tons	27.86

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.86	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74987

Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 13:01:59	Scale 1	kfunk2		Gross	98600 lb
Out	08/29/2022 13:01:59		kfunk2		Tare	41860 lb
					Net	56740 lb
					Tons	28.37

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.37	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.37	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74989

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 13:20:42	Scale 1	kfunk2		Gross	101360 lb
Out	08/29/2022 13:20:42		kfunk2		Tare	44140 lb
					Net	57220 lb
					Tons	28.61

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.61	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.61	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74990
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	T12
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	KENETH LUNDSTROM
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 13:33:41	Scale 1	kfunk2		Gross	95420 lb
Out	08/29/2022 13:33:41		kfunk2		Tare	42060 lb
					Net	53360 lb
					Tons	26.68

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.68	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.68	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74991

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 13:35:12	Scale 1	kfunk2		Gross	99920 lb
Out	08/29/2022 13:35:12		kfunk2		Tare	41860 lb
					Net	58060 lb
					Tons	29.03

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.03	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.03	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74993

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 14:13:11	Scale 1	kfunk2		Gross	103460 lb
Out	08/29/2022 14:13:11		kfunk2		Tare	44140 lb
					Net	59320 lb
					Tons	29.66

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.66	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.66	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74994

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 14:15:55	Scale 1	kfunk2		Gross	100260 lb
Out	08/29/2022 14:15:55		kfunk2		Tare	42060 lb
					Net	58200 lb
					Tons	29.10

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.10	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.10	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 74995

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 14:19:19	Scale 1	kfunk2		Gross	97700 lb
Out	08/29/2022 14:19:19		kfunk2		Tare	41860 lb
					Net	55840 lb
					Tons	27.92

Comments TIGR-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.92	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.92	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74996

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 14:42:57	Scale 1	kfunk2		Gross	102620 lb
Out	08/29/2022 14:42:57		kfunk2		Tare	44140 lb
					Net	58480 lb
					Tons	29.24

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 74997

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/29/2022	Vehicle#	T12	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	KENETH LUNDSTROM		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/29/2022 14:58:55	Scale 1	kfunk2		Gross	100080 lb
Out	08/29/2022 14:58:55		kfunk2		Tare	42060 lb
					Net	58020 lb
					Tons	29.01

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.01	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.01	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 74998

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 15:00:40	Scale 1	kfunk2		Gross	98380 lb
Out	08/29/2022 15:00:40		kfunk2		Tare	41860 lb
					Net	56520 lb
					Tons	28.26

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.26	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.26	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 74999
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/29/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/29/2022 15:12:29	Scale 1	kfunk2		Gross	101620 lb
Out	08/29/2022 15:12:29		kfunk2		Tare	44140 lb
					Net	57480 lb
					Tons	28.74

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.74	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.74	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75004

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 07:56:34	Scale 1	kfunk2		Gross	96280 lb
Out	08/30/2022 07:56:34		kfunk2		Tare	41860 lb
					Net	54420 lb
					Tons	27.21

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.21	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75005

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 08:01:00	Scale 1	kfunk2		Gross	99420 lb
Out	08/30/2022 08:01:00		kfunk2		Tare	42060 lb
					Net	57360 lb
					Tons	28.68

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.68	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.68	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75006
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 08:08:45	Scale 1	kfunk2		Gross	99900 lb
Out	08/30/2022 08:08:45		kfunk2		Tare	44140 lb
					Net	55760 lb
					Tons	27.88

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.88	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.88	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75011
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 09:02:16	Scale 1	kfunk2		Gross	102280 lb
Out	08/30/2022 09:02:16		kfunk2		Tare	41860 lb
					Net	60420 lb
					Tons	30.21

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.21	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.21	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75012

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/30/2022	Vehicle#	T12	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	KENETH LUNDSTROM		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/30/2022 09:08:11	Scale 1	kfunk2		Gross	103900 lb
Out	08/30/2022 09:08:11		kfunk2		Tare	42060 lb
					Net	61840 lb
					Tons	30.92

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.92	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.92	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75013
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 09:09:52	Scale 1	kfunk2		Gross	102620 lb
Out	08/30/2022 09:09:52		kfunk2		Tare	44140 lb
					Net	58480 lb
					Tons	29.24

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75016
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/30/2022	Vehicle#	T11	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	MIKE VINOKUROV		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/30/2022 09:34:51	Scale 1	kfunk2		Gross	100020 lb
Out	08/30/2022 09:34:51		kfunk2		Tare	41860 lb
					Net	58160 lb
					Tons	29.08

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.08	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.08	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75017

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 09:37:20	Scale 1	kfunk2		Gross	104840 lb
Out	08/30/2022 09:37:20		kfunk2		Tare	42060 lb
					Net	62780 lb
					Tons	31.39

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.39	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.39	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75018
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 09:42:27	Scale 1	kfunk2		Gross	102320 lb
Out	08/30/2022 09:42:27		kfunk2		Tare	44140 lb
					Net	58180 lb
					Tons	29.09

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.09	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.09	Tons				

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75021
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 10:04:18	Scale 1	kfunk2		Gross	103300 lb
Out	08/30/2022 10:04:18		kfunk2		Tare	41860 lb
					Net	61440 lb
					Tons	30.72

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.72	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.72	Tons				KING

Total Tax
Total Ticket

Driver`s Signature MV

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75022

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 10:10:30	Scale 1	kfunk2		Gross	103940 lb
Out	08/30/2022 10:10:30		kfunk2		Tare	42060 lb
					Net	61880 lb
					Tons	30.94

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.94	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.94	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75023

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 10:13:15	Scale 1	kfunk2		Gross	102920 lb
Out	08/30/2022 10:13:15		kfunk2		Tare	44140 lb
					Net	58780 lb
					Tons	29.39

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.39	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.39	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75025

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 10:37:10	Scale 1	kfunk2		Gross	103220 lb
Out	08/30/2022 10:37:10		kfunk2		Tare	41860 lb
					Net	61360 lb
					Tons	30.68

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.68	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.68	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75026

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 10:42:28	Scale 1	kfunk2		Gross	105280 lb
Out	08/30/2022 10:42:28		kfunk2		Tare	42060 lb
					Net	63220 lb
					Tons	31.61

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.61	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.61	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75027

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 10:44:10	Scale 1	kfunk2		Gross	98880 lb
Out	08/30/2022 10:44:10		kfunk2		Tare	44140 lb
					Net	54740 lb
					Tons	27.37

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.37	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.37	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75030

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 11:10:53	Scale 1	kfunk2		Gross	98480 lb
Out	08/30/2022 11:10:53		kfunk2		Tare	41860 lb
					Net	56620 lb
					Tons	28.31

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.31	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	28.31	Tons				

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75032

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 11:16:30	Scale 1	kfunk2		Gross	100360 lb
Out	08/30/2022 11:16:30		kfunk2		Tare	42060 lb
					Net	58300 lb
					Tons	29.15

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.15	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.15	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75033
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 11:17:54	Scale 1	kfunk2		Gross	105360 lb
Out	08/30/2022 11:17:54		kfunk2		Tare	44140 lb
					Net	61220 lb
					Tons	30.61

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.61	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.61	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75035
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 11:39:39	Scale 1	kfunk2		Gross	98220 lb
Out	08/30/2022 11:39:39		kfunk2		Tare	41860 lb
					Net	56360 lb
					Tons	28.18

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.18	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.18	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75036

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 11:47:37	Scale 1	kfunk2		Gross	102560 lb
Out	08/30/2022 11:47:37		kfunk2		Tare	42060 lb
					Net	60500 lb
					Tons	30.25

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75037

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 11:50:33	Scale 1	kfunk2		Gross	101440 lb
Out	08/30/2022 11:50:33		kfunk2		Tare	44140 lb
					Net	57300 lb
					Tons	28.65

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.65	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.65	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75042

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/30/2022	Vehicle#	T11	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	MIKE VINOKUROV		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/30/2022 12:08:25	Scale 1	kfunk2		Gross	102000 lb
Out	08/30/2022 12:08:25		kfunk2		Tare	41860 lb
					Net	60140 lb
					Tons	30.07

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.07	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.07	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75044

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T12
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	KENETH LUNDSTROM
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 12:18:03	Scale 1	kfunk2		Gross	101680 lb
Out	08/30/2022 12:18:03		kfunk2		Tare	42060 lb
					Net	59620 lb
					Tons	29.81

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.81	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.81	Tons				KING

Total Tax
Total Ticket

Driver`s Signature KL

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75045
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 12:21:43	Scale 1	kfunk2		Gross	103040 lb
Out	08/30/2022 12:21:43		kfunk2		Tare	44140 lb
					Net	58900 lb
					Tons	29.45

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.45	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.45	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75047

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11 Volume
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	08/30/2022 12:36:19	Scale 1	kfunk2		Gross	101520 lb
Out	08/30/2022 12:36:19		kfunk2		Tare	41860 lb
					Net	59660 lb
					Tons	29.83

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.83	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.83	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75048

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 12:49:29	Scale 1	kfunk2		Gross	102280 lb
Out	08/30/2022 12:49:29		kfunk2		Tare	42060 lb
					Net	60220 lb
					Tons	30.11

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.11	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.11	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75050

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87 Volume
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

	Time	Scale	Operator	Inbound		
In	08/30/2022 12:51:38	Scale 1	kfunk2		Gross	104380 lb
Out	08/30/2022 12:51:38		kfunk2		Tare	44140 lb
					Net	60240 lb
					Tons	30.12

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.12	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.12	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75052
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 13:06:16	Scale 1	kfunk2		Gross	104320 lb
Out	08/30/2022 13:06:16		kfunk2		Tare	41860 lb
					Net	62460 lb
					Tons	31.23

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.23	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	31.23	Tons				

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75053

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 13:20:31	Scale 1	kfunk2		Gross	103020 lb
Out	08/30/2022 13:20:31		kfunk2		Tare	42060 lb
					Net	60960 lb
					Tons	30.48

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.48	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.48	Tons				KING

Total Tax
Total Ticket

Driver`s Signature KL

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75054

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 13:23:40	Scale 1	kfunk2		Gross	103220 lb
Out	08/30/2022 13:23:40		kfunk2		Tare	44140 lb
					Net	59080 lb
					Tons	29.54

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.54	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.54	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75055

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T11
Container
Driver MIKE VINOKUROV
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 13:37:08	Scale 1	kfunk2		Gross	97100 lb
Out	08/30/2022 13:37:08		kfunk2		Tare	41860 lb
					Net	55240 lb
					Tons	27.62

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.62	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.62	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75057
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T12
Container
Driver KENETH LUNDSTROM
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 13:51:57	Scale 1	kfunk2		Gross	100220 lb
Out	08/30/2022 13:51:57		kfunk2		Tare	42060 lb
					Net	58160 lb
					Tons	29.08

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.08	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.08	Tons				KING

Total Tax
Total Ticket

Driver`s Signature KL

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75058
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 13:55:33	Scale 1	kfunk2		Gross	104000 lb
Out	08/30/2022 13:55:33		kfunk2		Tare	44140 lb
					Net	59860 lb
					Tons	29.93

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.93	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.93	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75060

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 14:03:26	Scale 1	kfunk2		Gross	102920 lb
Out	08/30/2022 14:03:26		kfunk2		Tare	41860 lb
					Net	61060 lb
					Tons	30.53

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.53	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.53	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 75062

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T12
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	KENETH LUNDSTROM
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 14:25:31	Scale 1	kfunk2		Gross	102600 lb
Out	08/30/2022 14:25:31		kfunk2		Tare	42060 lb
					Net	60540 lb
					Tons	30.27

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.27	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.27	Tons				KING

Total Tax
Total Ticket

Driver`s Signature KL

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75063

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/30/2022	Vehicle#	JRH87	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	HUNTER DAVIS		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/30/2022 14:28:30	Scale 1	kfunk2		Gross	109560 lb
Out	08/30/2022 14:28:30		kfunk2		Tare	44140 lb
					Net	65420 lb
					Tons	32.71

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.71	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.71	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75064
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/30/2022	Vehicle#	T11	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	MIKE VINOKUROV		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/30/2022 14:30:20	Scale 1	kfunk2		Gross	96540 lb
Out	08/30/2022 14:30:20		kfunk2		Tare	41860 lb
					Net	54680 lb
					Tons	27.34

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.34	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.34	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75066

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T12
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	KENETH LUNDSTROM
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 14:59:41	Scale 1	kfunk2		Gross	102080 lb
Out	08/30/2022 14:59:41		kfunk2		Tare	42060 lb
					Net	60020 lb
					Tons	30.01

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.01	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.01	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75067

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/30/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 15:01:17	Scale 1	kfunk2		Gross	104620 lb
Out	08/30/2022 15:01:17		kfunk2		Tare	44140 lb
					Net	60480 lb
					Tons	30.24

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75069
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/30/2022	Vehicle#	T11
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MIKE VINOKUROV
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/30/2022 15:04:20	Scale 1	kfunk2		Gross	101020 lb
Out	08/30/2022 15:04:20		kfunk2		Tare	41860 lb
					Net	59160 lb
					Tons	29.58

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.58	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.58	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75079
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 08:29:36	Scale 1	kfunk2		Gross	107400 lb
Out	08/31/2022 08:29:36		kfunk2		Tare	44140 lb
					Net	63260 lb
					Tons	31.63

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.63	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.63	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75082
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/31/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 09:02:55	Scale 1	kfunk2		Gross	105140 lb
Out	08/31/2022 09:02:55		kfunk2		Tare	44140 lb
					Net	61000 lb
					Tons	30.50

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.50	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.50	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75084

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 09:31:28	Scale 1	kfunk2		Gross	110300 lb
Out	08/31/2022 09:31:28		kfunk2		Tare	44140 lb
					Net	66160 lb
					Tons	33.08

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.08	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.08	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75087
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/31/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 10:01:00	Scale 1	kfunk2		Gross	106920 lb
Out	08/31/2022 10:01:00		kfunk2		Tare	44140 lb
					Net	62780 lb
					Tons	31.39

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.39	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	31.39	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75089
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/31/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 10:28:04	Scale 1	kfunk2		Gross	110440 lb
Out	08/31/2022 10:28:04		kfunk2		Tare	44140 lb
					Net	66300 lb
					Tons	33.15

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.15	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	33.15	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75095

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 10:58:29	Scale 1	kfunk2		Gross	101680 lb
Out	08/31/2022 10:58:29		kfunk2		Tare	44140 lb
					Net	57540 lb
					Tons	28.77

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.77	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.77	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75100

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 11:29:15	Scale 1	kfunk2		Gross	103580 lb
Out	08/31/2022 11:29:15		kfunk2		Tare	44140 lb
					Net	59440 lb
					Tons	29.72

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.72	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.72	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75104

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	08/31/2022	Vehicle#	JRH87	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	HUNTER DAVIS		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	08/31/2022 11:58:21	Scale 1	kfunk2		Gross	104340 lb
Out	08/31/2022 11:58:21		kfunk2		Tare	44140 lb
					Net	60200 lb
					Tons	30.10

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.10	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.10	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75110

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 12:27:27	Scale 1	kfunk2		Gross	101740 lb
Out	08/31/2022 12:27:27		kfunk2		Tare	44140 lb
					Net	57600 lb
					Tons	28.80

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.80	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.80	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75115

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 12:58:12	Scale 1	kfunk2		Gross	103380 lb
Out	08/31/2022 12:58:12		kfunk2		Tare	44140 lb
					Net	59240 lb
					Tons	29.62

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.62	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.62	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75120
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	08/31/2022	Vehicle#	JRH87
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	HUNTER DAVIS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 13:29:55	Scale 1	kfunk2		Gross	106040 lb
Out	08/31/2022 13:29:55		kfunk2		Tare	44140 lb
					Net	61900 lb
					Tons	30.95

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.95	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.95	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 75123
Ph: 206-694-0600

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 13:57:34	Scale 1	kfunk2		Gross	102640 lb
Out	08/31/2022 13:57:34		kfunk2		Tare	44140 lb
					Net	58500 lb
					Tons	29.25

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	29.25	Tons				

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75126

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 14:27:52	Scale 1	kfunk2		Gross	104100 lb
Out	08/31/2022 14:27:52		kfunk2		Tare	44140 lb
					Net	59960 lb
					Tons	29.98

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.98	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.98	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 75129

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 08/31/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/31/2022 14:56:36	Scale 1	kfunk2		Gross	109120 lb
Out	08/31/2022 14:56:36		kfunk2		Tare	44140 lb
					Net	64980 lb
					Tons	32.49

Comments JRH-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.49	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	32.49	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 79628

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 12/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# PPI5
Container
Driver GERALD HAWKINS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	12/29/2022 08:54:19	Scale 1	kfunk2		Gross	66360 lb
Out	12/29/2022 09:37:58	Scale 1	kfunk2		Tare	33320 lb
					Net	33040 lb
					Tons	16.52

Comments PPI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.52	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	16.52	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 79656

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	12/29/2022	Vehicle#	PPI5
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	GERALD HAWKINS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	12/29/2022 10:52:13	Scale 1	kfunk2		Gross	77400 lb
Out	12/29/2022 10:52:13		kfunk2		Tare	33320 lb
					Net	44080 lb
					Tons	22.04

Comments PPI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.04	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.04	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 79677

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 12/29/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# PPI5
Container
Driver GERALD HAWKINS
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	12/29/2022 12:08:41	Scale 1	kfunk2		Gross	82880 lb
Out	12/29/2022 12:08:41		kfunk2		Tare	33320 lb
					Net	49560 lb
					Tons	24.78

Comments PPI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.78	Tons				KING
2	EVF-P6-Environmental Fee	100		%				
3	GOND TON-GONDOLA PER TON	100	24.78	Tons				

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 79699

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF		
Ticket Date	12/29/2022	Vehicle#	PPI5	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	GERALD HAWKINS		
Route		Check#			
Hauling Ticket#		Billing#	0000344		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	12/29/2022 13:51:52	Scale 1	kfunk2		Gross	83820 lb
Out	12/29/2022 13:51:52		kfunk2		Tare	33320 lb
					Net	50500 lb
					Tons	25.25

Comments PPI-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.25	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 81405

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 03/07/2023
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T-4
Container
Driver AMY PEREZ
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	03/07/2023 09:26:20	Scale 1	kfunk2		Gross	90020 lb
Out	03/07/2023 09:49:18	Scale 1	kfunk2		Tare	40020 lb
					Net	50000 lb
					Tons	25.00

Comments MCKEE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.00	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.00	Tons				KING

Total Tax
Total Ticket

Driver`s Signature 

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 81408

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 03/07/2023
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T-4
Container
Driver AMY PEREZ
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	03/07/2023 10:24:24	Scale 1	kfunk2		Gross	90420 lb
Out	03/07/2023 10:24:24		kfunk2		Tare	40020 lb
					Net	50400 lb
					Tons	25.20

Comments MCKEE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.20	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.20	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 81412
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	03/07/2023	Vehicle#	T-4
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	AMY PEREZ
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	03/07/2023 11:07:28	Scale 1	kfunk2		Gross	100180 lb
Out	03/07/2023 11:07:28		kfunk2		Tare	40020 lb
					Net	60160 lb
					Tons	30.08

Comments MCKEE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.08	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	30.08	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 81415

Customer Name JR HAYES AND SONS 133020OR JR
Ticket Date 03/07/2023
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# T-4
Container
Driver AMY PEREZ
Check#
Billing# 0000344
Grid

Volume

	Time	Scale	Operator	Inbound		
In	03/07/2023 11:55:58	Scale 1	kfunk2		Gross	93540 lb
Out	03/07/2023 11:55:58		kfunk2		Tare	40020 lb
					Net	53520 lb
					Tons	26.76

Comments MCKEE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.76	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.76	Tons				KING

Total Tax
Total Ticket

Driver`s Signature AP

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 81418
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	03/07/2023	Vehicle#	T-4
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	AMY PEREZ
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	03/07/2023 12:44:46	Scale 1	kfunk2		Gross	98280 lb
Out	03/07/2023 12:44:46		kfunk2		Tare	40020 lb
					Net	58260 lb
					Tons	29.13

Comments MCKEE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.13	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.13	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 82390
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	04/27/2023	Vehicle#	M24S
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	TAIGEN MARKUS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	04/27/2023 10:32:52	Scale 1	kfunk2		Gross	52540 lb
Out	04/27/2023 10:39:37	Scale 1	kfunk2		Tare	24060 lb
					Net	28480 lb
					Tons	14.24

Comments MARKUS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.24	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	14.24	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 82401
Ph: 206-694-0600

Customer Name	JR HAYES AND SONS 133020OR JR	Carrier	SELF SELF
Ticket Date	04/27/2023	Vehicle#	M24S
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	TAIGEN MARKUS
Route		Check#	
Hauling Ticket#		Billing#	0000344
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	04/27/2023 14:14:04	Scale 1	kfunk2		Gross	41140 lb
Out	04/27/2023 14:14:04		kfunk2		Tare	24060 lb
					Net	17080 lb
					Tons	8.54

Comments MARKUS-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	8.54	Tons				KING
2	EVF-P6-Environmental Fee	100		%				KING
3	GOND TON-GONDOLA PER TON	100	8.54	Tons				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87014

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M211083S
Container
Driver TONY RAMOS
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	59520 lb*
In	01/09/2024 08:30:09	Scale 1	kfunk2		Tare	28020 lb*
Out	01/09/2024 08:34:09		kfunk2		Net	31500 lb
			* Manual Weight		Tons	15.75

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.75	Tons				KING
2	GOND TON-GONDOLA PER TON	100	15.75	Tons				KING
3	ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87015

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2179S
Container
Driver DON HANNA
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 08:40:44	Scale 1	kfunk2		Gross	62720 lb*
Out	01/09/2024 08:40:44		kfunk2		Tare	27600 lb*
			* Manual Weight		Net	35120 lb
					Tons	17.56

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.56	Tons				KING
2	GOND TON-GONDOLA PER TON	100	17.56	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87016

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2175S
Container
Driver JOHN APPLE
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 08:42:53	Scale 1	kfunk2		Gross	65160 lb*
Out	01/09/2024 08:46:53		kfunk2		Tare	27840 lb*
			* Manual Weight		Net	37320 lb
					Tons	18.66

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.66	Tons				KING
2	GOND TON-GONDOLA PER TON	100	18.66	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87017

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2176S
Container
Driver DENNIS MCFADDEN
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 08:57:27	Scale 1	kfunk2		Gross	61560 lb*
Out	01/09/2024 09:05:27		kfunk2		Tare	27480 lb*
			* Manual Weight		Net	34080 lb
					Tons	17.04

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.04	Tons				KING
2	GOND TON-GONDOLA PER TON	100	17.04	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87018

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M211083S
Container
Driver TONY RAMOS
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 09:03:53	Scale 1	kfunk2		Gross	53800 lb*
Out	01/09/2024 09:03:53		kfunk2		Tare	28020 lb*
			* Manual Weight		Net	25780 lb
					Tons	12.89

Comments MILES

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	12.89	Tons				KING
2	GOND TON-GONDOLA PER TON	100	12.89	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87019
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2179S
Container
Driver DON HANNA
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 09:27:34	Scale 1	kfunk2		Gross	60820 lb*
Out	01/09/2024 09:27:34		kfunk2		Tare	27600 lb*
			* Manual Weight		Net	33220 lb
					Tons	16.61

Comments miles-kf

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.61	Tons				KING
2	GOND TON-GONDOLA PER TON	100	16.61	Tons				KING
3	ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87021
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2175S
Container
Driver JOHN APPLE
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 09:30:17	Scale 1	kfunk2		Gross	57480 lb*
Out	01/09/2024 09:30:17		kfunk2		Tare	27840 lb*
			* Manual Weight		Net	29640 lb
					Tons	14.82

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	14.82	Tons				KING
2	GOND TON-GONDOLA PER TON	100	14.82	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87022

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2176S
Container
Driver DENNIS MCFADDEN
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 09:38:47	Scale 1	kfunk2		Gross	60120 lb*
Out	01/09/2024 09:38:47		kfunk2		Tare	27480 lb*
			* Manual Weight		Net	32640 lb
					Tons	16.32

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.32	Tons				KING
2	GOND TON-GONDOLA PER TON	100	16.32	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87023
Ph: 206-694-0600

Customer Name	SIERRA CONSTRUCTION COMPANY I	Carrier	SELF SELF		
Ticket Date	01/09/2024	Vehicle#	M211083S	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	TONY RAMOS		
Route		Check#			
Hauling Ticket#		Billing#	0000352		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	01/09/2024 09:57:16	Scale 1	kfunk2		Gross	61080 lb*
Out	01/09/2024 09:57:16		kfunk2		Tare	28020 lb*
			* Manual Weight		Net	33060 lb
					Tons	16.53

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.53	Tons				KING
2	GOND TON-GONDOLA PER TON	100	16.53	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87024
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2179S
Container
Driver DON HANNA
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 10:01:53	Scale 1	kfunk2		Gross	66040 lb*
Out	01/09/2024 10:01:53		kfunk2		Tare	27600 lb*
			* Manual Weight		Net	38440 lb
					Tons	19.22

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	19.22	Tons				KING
2	GOND TON-GONDOLA PER TON	100	19.22	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87025

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2175S
Container
Driver JOHN APPLE
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 10:05:08	Scale 1	kfunk2		Gross	49680 lb*
Out	01/09/2024 10:05:08		kfunk2		Tare	27840 lb*
			* Manual Weight		Net	21840 lb
					Tons	10.92

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	10.92	Tons				KING
2	GOND TON-GONDOLA PER TON	100	10.92	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87026

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2176S
Container
Driver DENNIS MCFADDEN
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 10:30:55	Scale 1	kfunk2		Gross	63720 lb*
Out	01/09/2024 10:30:55		kfunk2		Tare	27480 lb*
			* Manual Weight		Net	36240 lb
					Tons	18.12

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.12	Tons				KING
2	GOND TON-GONDOLA PER TON	100	18.12	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87027

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M211083S
Container
Driver TONY RAMOS
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 10:35:54	Scale 1	kfunk2		Gross	62600 lb*
Out	01/09/2024 10:35:54		kfunk2		Tare	28020 lb*
			* Manual Weight		Net	34580 lb
					Tons	17.29

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.29	Tons				KING
2	GOND TON-GONDOLA PER TON	100	17.29	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87028
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2179S
Container
Driver DON HANNA
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 10:41:42	Scale 1	kfunk2		Gross	61560 lb*
Out	01/09/2024 10:41:42		kfunk2		Tare	27600 lb*
			* Manual Weight		Net	33960 lb
					Tons	16.98

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.98	Tons				KING
2	GOND TON-GONDOLA PER TON	100	16.98	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87029
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2175S
Container
Driver JOHN APPLE
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 11:02:25	Scale 1	kfunk2		Gross	64160 lb*
Out	01/09/2024 11:02:25		kfunk2		Tare	27840 lb*
			* Manual Weight		Net	36320 lb
					Tons	18.16

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.16	Tons				KING
2	GOND TON-GONDOLA PER TON	100	18.16	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87030

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2176S
Container
Driver DENNIS MCFADDEN
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 11:26:18	Scale 1	kfunk2		Gross	67520 lb*
Out	01/09/2024 11:26:18		kfunk2		Tare	27480 lb*
			* Manual Weight		Net	40040 lb
					Tons	20.02

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.02	Tons				KING
2	GOND TON-GONDOLA PER TON	100	20.02	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87031

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M211083S
Container
Driver TONY RAMOS
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 11:29:04	Scale 1	kfunk2		Gross	63240 lb*
Out	01/09/2024 11:29:04		kfunk2		Tare	28020 lb*
			* Manual Weight		Net	35220 lb
					Tons	17.61

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.61	Tons				KING
2	GOND TON-GONDOLA PER TON	100	17.61	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87032
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2179S
Container
Driver DON HANNA
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 11:36:58	Scale 1	kfunk2		Gross	61880 lb*
Out	01/09/2024 11:36:58		kfunk2		Tare	27600 lb*
			* Manual Weight		Net	34280 lb
					Tons	17.14

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.14	Tons				KING
2	GOND TON-GONDOLA PER TON	100	17.14	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87033

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2175S
Container
Driver JOHN APPLE
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 11:45:40	Scale 1	kfunk2		Gross	59600 lb*
Out	01/09/2024 11:45:40		kfunk2		Tare	27840 lb*
			* Manual Weight		Net	31760 lb
					Tons	15.88

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.88	Tons				KING
2	GOND TON-GONDOLA PER TON	100	15.88	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87034
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2176S
Container
Driver DENNIS MCFADDEN
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 11:59:25	Scale 1	kfunk2		Gross	65160 lb*
Out	01/09/2024 11:59:25		kfunk2		Tare	27480 lb*
			* Manual Weight		Net	37680 lb
					Tons	18.84

Comments MILOES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.84	Tons				KING
2	GOND TON-GONDOLA PER TON	100	18.84	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87035

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M211083S
Container
Driver TONY RAMOS
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 12:03:12	Scale 1	kfunk2		Gross	61160 lb*
Out	01/09/2024 12:03:12		kfunk2		Tare	28020 lb*
			* Manual Weight		Net	33140 lb
					Tons	16.57

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.57	Tons				KING
2	GOND TON-GONDOLA PER TON	100	16.57	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 87036
Ph: 206-694-0600

Customer Name	SIERRA CONSTRUCTION COMPANY I	Carrier	SELF SELF		
Ticket Date	01/09/2024	Vehicle#	M2179S	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	DON HANNA		
Route		Check#			
Hauling Ticket#		Billing#	0000352		
Destination		Grid			
PO#	133020OR				

	Time	Scale	Operator	Inbound		
In	01/09/2024 12:08:52	Scale 1	kfunk2		Gross	62440 lb*
Out	01/09/2024 12:08:52		kfunk2		Tare	27600 lb*
			* Manual Weight		Net	34840 lb
					Tons	17.42

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	17.42	Tons				KING
2	GOND TON-GONDOLA PER TON	100	17.42	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87037

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2175S
Container
Driver JOHN APPLE
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 12:18:38	Scale 1	kfunk2		Gross	65180 lb*
Out	01/09/2024 12:18:38		kfunk2		Tare	27840 lb*
			* Manual Weight		Net	37340 lb
					Tons	18.67

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	18.67	Tons				KING
2	GOND TON-GONDOLA PER TON	100	18.67	Tons				KING
3	ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108 Ph: 206-694-0600

Reprint
Ticket# 87038

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 01/09/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# M2176S
Container
Driver DENNIS MCFADDEN
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	01/09/2024 12:26:19	Scale 1	kfunk2		Gross	59820 lb*
Out	01/09/2024 12:26:19		kfunk2		Tare	27480 lb*
			* Manual Weight		Net	32340 lb
					Tons	16.17

Comments MILES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.17	Tons				KING
2	GOND TON-GONDOLA PER TON	100	16.17	Tons				
3	ENERGYFEE-ENERGY FEE	100		%				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 89991
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 04/22/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# VD6
Container
Driver JOSH GARBERG
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/22/2024 10:00:30	Scale 1	kfunk2		Gross	72720 lb
Out	04/22/2024 10:09:29	Scale 1	kfunk2		Tare	31860 lb
					Net	40860 lb
					Tons	20.43

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.43	Tons				KING
2	GOND TON-GONDOLA PER TON	100	20.43	Tons				KING
3	ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 89998
Ph: 206-694-0600

Customer Name	SIERRA CONSTRUCTION COMPANY I	Carrier	SELF SELF
Ticket Date	04/22/2024	Vehicle#	VD6
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JOSH GARBERG
Route		Check#	
Hauling Ticket#		Billing#	0000352
Destination		Grid	
PO#	133020OR		

Volume

	Time	Scale	Operator	Inbound		
In	04/22/2024 10:48:30	Scale 1	kfunk2		Gross	73660 lb
Out	04/22/2024 10:48:30		kfunk2		Tare	31860 lb
					Net	41800 lb
					Tons	20.90

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.90	Tons				KING
2	GOND TON-GONDOLA PER TON	100	20.90	Tons				KING
3	ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 90005
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 04/22/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# VD6
Container
Driver JOSH GARBERG
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/22/2024 11:25:17	Scale 1	kfunk2		Gross	73420 lb
Out	04/22/2024 11:25:17		kfunk2		Tare	31860 lb
					Net	41560 lb
					Tons	20.78

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.78	Tons				KING
2	GOND TON-GONDOLA PER TON	100	20.78	Tons				KING
3	ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 90014
Ph: 206-694-0600

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 04/22/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 133020OR

Carrier SELF SELF
Vehicle# VD6
Container
Driver JOSH GARBERG
Check#
Billing# 0000352
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:09:37	Scale 1	kfunk2		Gross	64020 lb
Out	04/22/2024 12:09:37		kfunk2		Tare	31860 lb
					Net	32160 lb
					Tons	16.08

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	16.08	Tons				KING
2	GOND TON-GONDOLA PER TON	100	16.08	Tons				KING
3	ENERGYFEE-ENERGY FEE	100		%				KING

Total Tax
Total Ticket

Driver`s Signature



WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848294

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131921
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300002
Container 300002
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 09:56:05	MANUAL WT	cwalsh3		Gross	81620 lb*
Out	02/05/2024 09:56:05		cwalsh3		Tare	53460 lb*
			* Manual Weight		Net	28160 lb
					Tons	14.08

Comments LIVE LOAD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	14.08	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE

Driver`s Signature

WM
WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E marginal Way
Tukwila, WA
Contact Person: Ed
Telephone Number: 206-471-9237

Waste Profile # 1384840B

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY SWAP WTL

Loading
Start Time 1:53pm Box # In 300225 Liners 0 (1) 2

Unloading
Start Time _____

End Time 2:21pm Box # Out 300002 Liners 0 (1) 2

End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848295

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131929
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300169
Container 300169
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 09:57:43	MANUAL WT	cwalsh3		Gross	83720 lb*
Out	02/05/2024 09:57:43		cwalsh3		Tare	53840 lb*
			* Manual Weight		Net	29880 lb
					Tons	14.94

Comments LIVE LOAD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	14.94	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number:
206-471-9237

Waste Profile # 138464 OR

Waste Type
- [X] CDL
- [X] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading
Start Time 8:56am Box # In 300099 Liners 0 (1) 2

End Time 9:06am Box # Out 300169 Liners 0 (1) 2

Unloading
Start Time _____

End Time _____

Transporter Name: RTransport Truck/Chassis # R80/R04

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848296

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131922
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300006
Container 300006
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 09:59:01	MANUAL WT	cwalsh3		Gross	81420 lb*
Out	02/05/2024 09:59:01		cwalsh3		Tare	53980 lb*
			* Manual Weight		Net	27440 lb
					Tons	13.72

Comments SWAP 1/31-2/1=1 DAY RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	13.72	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	1.00	Each				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E marginal Way
Tukwila, WA

Contact Person: EJ

Telephone Number:
206 - 471 9237

Waste Profile # 1384640PL

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: **DROP ONLY** **PICK UP ONLY** **SWAP** **WTL**

Loading
Start Time 3:47 am Box # In 300061 Liners 0 (1) 2

End Time 4:06 am Box # Out 300006 Liners 0 (1) 2

Unloading
Start Time _____
End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848304

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131931
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300262
Container 300262
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:05:29	MANUAL WT	cwalsh3		Gross	83720 lb*
Out	02/05/2024 10:05:29		cwalsh3		Tare	54440 lb*
			* Manual Weight		Net	29280 lb
					Tons	14.64

Comments SWAP 1/31-2/1=1 DAY RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	14.64	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	1.00	Each				WA-SEATTLE

Driver`s Signature

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 1384640R

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading

Start Time 11:53am Box # In 300074 Liners 0 (1) 2

Unloading Start Time _____

End Time 12:04pm Box # Out 300262 Liners 0 (1) 2 End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds (Please Print) Driver Signature _____

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848306

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131924
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300016
Container 300016
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:07:36	MANUAL WT	cwalsh3		Gross	88980 lb*
Out	02/05/2024 10:07:36		cwalsh3		Tare	53440 lb*
			* Manual Weight		Net	35540 lb
					Tons	17.77

Comments LIVE LOAD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	17.77	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
· (541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 138464OR

Waste Type
- [X] CDL
- [X] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading
Start Time 10:55am Box # In 300007 Liners 0 (1) 2

End Time 11:05am Box # Out 300016 Liners 0 (1) 2

Unloading
Start Time _____
End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds (Please Print) Driver Signature _____

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848310

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131828
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300132
Container 300132
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/01/2024 10:08:59	MANUAL WT	cwalsh3		Gross	79760 lb*
Out	02/05/2024 10:08:59		cwalsh3		Tare	53840 lb*
			* Manual Weight		Net	25920 lb
					Tons	12.96

Comments SWAP 1/19-1/31=12 DAYS RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	12.96	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	12.00	Each				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 1/31/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number:
206-471-9237

Waste Profile # 1384640R

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading

Start Time 8:17am Box # In 300003 Liners 0 (1) 2

End Time 8:30am Box # Out 300132 Liners 0 (1) 2

Unloading
Start Time _____
End Time _____

Transporter Name: B Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848312

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131827
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300101
Container 300101
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/01/2024 10:10:47	MANUAL WT	cwalsh3		Gross	75480 lb*
Out	02/05/2024 10:10:47		cwalsh3		Tare	53460 lb*
			* Manual Weight		Net	22020 lb
					Tons	11.01

Comments SWAP 1/19-1/31=12 DAYS RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	11.01	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	12.00	Each				WA-SEATTLE

Driver`s Signature

WM
WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 1/31/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E marginal way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 1384640R

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading

Start Time 9:23am Box # In 300262 Liners 0 1 2

End Time 9:32am Box # Out 300101 Liners 0 1 2

Unloading

Start Time _____

End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds (Please Print) Driver Signature _____

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848315

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131925
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300061
Container 300061
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:12:29	MANUAL WT	cwalsh3		Gross	78800 lb*
Out	02/05/2024 10:12:29		cwalsh3		Tare	54420 lb*
			* Manual Weight		Net	24380 lb
					Tons	12.19

Comments SWAP 1/31-2/1=1 DAY RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	12.19	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	1.00	Each				WA-SEATTLE

Driver`s Signature

WM
WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 1384640R

Waste Type
- [X] CDL
- [X] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading
Start Time 7:56am Box # In 300114 Liners 0 (1) 2

End Time 8:08am Box # Out 300061 Liners 0 (1) 2

Unloading
Start Time _____

End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds (Please Print) Driver Signature _____

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848319

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131930
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300226
Container 300226
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:14:12	MANUAL WT	cwalsh3		Gross	81040 lb*
Out	02/05/2024 10:14:12		cwalsh3		Tare	53980 lb*
			* Manual Weight		Net	27060 lb
					Tons	13.53

Comments SWAP 1/31-2/1=1 DAY RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	13.53	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	1.00	Each				WA-SEATTLE

Driver`s Signature

WM
WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address

Prologis
10300 E marginal way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 138464 OR WA

Waste Type
- [X] CDL
- [X] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: **DROP ONLY** **PICK UP ONLY** **SWAP** **WTL**

Loading

Start Time 6:36am Box # In 300113 Liners 0 (1) 2

End Time 6:50am Box # Out 300226 Liners 0 (1) 2

Unloading

Start Time _____

End Time _____

Transporter Name: R Transport Truck/Chassis # R80/804

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848322

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131825
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300003
Container 300003
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/01/2024 10:15:33	MANUAL WT	cwalsh3		Gross	93240 lb*
Out	02/05/2024 10:15:33		cwalsh3		Tare	54420 lb*
			* Manual Weight		Net	38820 lb
					Tons	19.41

Comments SWAP 1/19-1/31=12 DAYS RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	19.41	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	12.00	Each				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup _____

Time scheduled for pickup 1/31/2[illegible]

Generator Name and Loading Address
Prologis
Seattle WA

Contact Person:

Telephone Number:

Waste Profile # 138464 OR

Waste Type
- ☐ CDL
- ☐ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: **DROP ONLY** **PICK UP ONLY** **SWAP**

Loading

Start Time 11:05 Box # In 300128 Liners 0 1 2

End Time 11:35 Box # Out 300043 Liners 0 1 2

Unloading

Start Time _____

End Time _____

Transporter Name: R Transport Truck/Chassis # R-79 R05

Driver Name Chris Blum Driver Signature [signature]

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848325

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131926
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300112
Container 300112
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:17:28	MANUAL WT	cwalsh3		Gross	84860 lb*
Out	02/05/2024 10:17:28		cwalsh3		Tare	53900 lb*
			* Manual Weight		Net	30960 lb
					Tons	15.48

Comments SWAP 1/31-2/1=1 DAY RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	15.48	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	1.00	Each				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number:
206-471-9237

Waste Profile # 138464OR

Waste Type
- [X] CDL
- [X] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading
Start Time 4:44am Box # In 300169 Liners 0 (1) 2

Unloading
Start Time _____

End Time 4:56am Box # Out 300112 Liners 0 (1) 2

End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848328

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131927
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300113
Container 300113
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:19:05	MANUAL WT	cwalsh3		Gross	86740 lb*
Out	02/05/2024 10:19:05		cwalsh3		Tare	54420 lb*
			* Manual Weight		Net	32320 lb
					Tons	16.16

Comments LIVE LOAD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	16.16	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE

Driver`s Signature

WM
WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address

Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 138464 OR

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: **DROP ONLY** **PICK UP ONLY** **SWAP** **WTL**

Loading

Start Time 9:52am Box # In 308016 Liners 0 (1) 2

End Time 10:04am Box # Out 300113 Liners 0 (1) 2

Unloading

Start Time _____

End Time _____

Transporter Name: R Transport Truck/Chassis # 880/R041

Driver Name Jason Edmonds (Please Print) Driver Signature _____

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848331

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131928
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300128
Container 300128
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:20:40	MANUAL WT	cwalsh3		Gross	86860 lb*
Out	02/05/2024 10:20:40		cwalsh3		Tare	52940 lb*
			* Manual Weight		Net	33920 lb
					Tons	16.96

Comments SWAP 1/31-2/1=1 DAY RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	16.96	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	1.00	Each				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/1/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number:
206-471-9237

Waste Profile # 135464WA 02

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading

Start Time 5:31am Box # In 300230 Liners 0 (1) 2

End Time 5:44am Box # Out 300128 Liners 0 (1) 2

Unloading
Start Time _____
End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 848335

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/05/2024
Payment Type Credit Account
Manual Ticket# 1131923
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300007
Container 300007
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/02/2024 10:22:33	MANUAL WT	cwalsh3		Gross	83440 lb*
Out	02/05/2024 10:22:33		cwalsh3		Tare	54240 lb*
			* Manual Weight		Net	29200 lb
					Tons	14.60

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	14.60	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup _____

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA
Contact Person: Ed
Telephone Number: 206-471-9237

Waste Profile # 138464OR

Waste Type
- [X] CDL
- [X] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

*Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading

Start Time 12:42pm Box # In 300002 Liners 0 (1) 2 Unloading Start Time _____

End Time 12:53pm Box # Out 300007 Liners 0 (1) 2 End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edmonds (Please Print) Driver Signature _____

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849152

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/13/2024
Payment Type Credit Account
Manual Ticket# 1132681
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300225
Container 300225
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/09/2024 11:22:53	MANUAL WT	jaday		Gross	78280 lb*
Out	02/13/2024 11:22:53		jaday		Tare	52780 lb*
			* Manual Weight		Net	25500 lb
					Tons	12.75

Comments Swap 2/1-2/8=7

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	12.75	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				
3	RAIL U SPW-RAIL UN	100	1	Load				
4	LOC U SPW-LOCAL TR	100	1	Load				
5	RENT SPW DAILY-CAN	100	7.00	Each				

Driver`s Signature

WM
WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/8/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis - exchange
Tukwila WA

Contact Person:

Telephone Number:

Waste Profile # 138464 OR

Waste Type
- ☐ CDL
- ☐ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY SWAP WTL

Loading
Start Time 4:30 Box # In _____ Liners 0 1 2

End Time 5:00 Box # Out 300225 Liners 0 1 2

Unloading
Start Time _____
End Time _____

Transporter Name: R Transport Truck/Chassis # R-79 / R03

Driver Name: Chris Blum Driver Signature: [signature]
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849153

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/13/2024
Payment Type Credit Account
Manual Ticket# 1132678
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300099
Container 300099
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/09/2024 11:25:33	MANUAL WT	jaday		Gross	81260 lb*
Out	02/13/2024 11:25:33		jaday		Tare	51400 lb*
			* Manual Weight		Net	29860 lb
					Tons	14.93

Comments Swap 2/1-2/8=7

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	14.93	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				
3	RAIL U SPW-RAIL UN	100	1	Load				
4	LOC U SPW-LOCAL TR	100	1	Load				
5	RENT SPW DAILY-CAN	100	7.00	Each				

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/8/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis exchange
Tukwila WA

Contact Person:

Telephone Number:

Waste Profile # 138464 OR

Waste Type
- ☐ CDL
- ☐ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY (PICK UP ONLY) SWAP WTL

Loading

Start Time 5:43 Box # In _____ Liners 0 1 2

End Time 6:15 Box # Out 300099 Liners 0 1 2

Unloading

Start Time _____

End Time _____

Transporter Name: R Transport Truck/Chassis # R-79 / R03

Driver Name Chris Blum Driver Signature Chris BL
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849154

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/13/2024
Payment Type Credit Account
Manual Ticket# 1132679
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300074
Container 300074
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/09/2024 11:27:15	MANUAL WT	jaday		Gross	85340 lb*
Out	02/13/2024 11:27:15		jaday		Tare	52740 lb*
			* Manual Weight		Net	32600 lb
					Tons	16.30

Comments Swap 2/1-2/8=7

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	16.30	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				
3	RAIL U SPW-RAIL UN	100	1	Load				
4	LOC U SPW-LOCAL TR	100	1	Load				
5	RENT SPW DAILY-CAN	100	7.00	Each				

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup _____

Time scheduled for pickup _____

Waste Profile # 138464 OR

Generator Name and Loading Address
Prologis - exchange
Tukwila, WA

Contact Person:

Telephone Number:

Waste Type
- ☐ CDL
- ☐ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Fax (206) 764-1498

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY (PICK UP ONLY) SWAP WTL

Loading
Start Time 6:15
End Time 6:45
Box # In _____ Liners 0 1 2
Box # Out 300074 Liners 0 1 2

Unloading
Start Time _____
End Time _____

Transporter Name: R Transport
Truck/Chassis # R-79 / R03

Driver Name Chris Blum
Please Print
Driver Signature [signature]

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849155

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/13/2024
Payment Type Credit Account
Manual Ticket# 1132682
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300230
Container 300230
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/09/2024 11:28:42	MANUAL WT	jaday		Gross	85460 lb*
Out	02/13/2024 11:28:42		jaday		Tare	51340 lb*
			* Manual Weight		Net	34120 lb
					Tons	17.06

Comments Swap 2/1-2/8=7

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	17.06	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				
3	RAIL U SPW-RAIL UN	100	1	Load				
4	LOC U SPW-LOCAL TR	100	1	Load				
5	RENT SPW DAILY-CAN	100	7.00	Each				

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/8/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis - exchange
Tukwila WA

Contact Person:

Telephone Number:

Waste Profile # 138464 OR

Waste Type
- ☐ CDL
- ☑ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name _____ Date: _____

Signature: _____ Name: _____
(Generator - Authorized Representative) (Please Print)

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY SWAP WTL

Loading

Start Time 7:25 Box # In _____ Liners 0 1 2

End Time 7:45 Box # Out 300230 Liners 0 1 2

Unloading
Start Time _____
End Time _____

Transporter Name: K Transport Truck/Chassis # R-79 / R03

Driver Name Chris Blum (Please Print) Driver Signature [signature]

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849548

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/16/2024
Payment Type Credit Account
Manual Ticket# 1133135
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300048
Container 300048
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/01/2024 07:36:49	MANUAL WT	cwalsh3		Gross	86940 lb*
Out	02/16/2024 07:36:49		cwalsh3		Tare	52340 lb*
			* Manual Weight		Net	34600 lb
					Tons	17.30

Comments SWAP 1/22-1/31=9 DAYS RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	17.30	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	9.00	Each				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 1/31/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 1384640R

Waste Type
- [x] CDL
- [x] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading
Start Time 10:48am Box # In 300226 Liners 0 (1) 2
End Time 11:02am Box # Out ~~300262~~ 300048 Liners 0 (1) 2

Unloading
Start Time _____
End Time _____

Transporter Name: RTransport Truck/Chassis # R80/R04

Driver Name Jason Edmonds Driver Signature _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849901

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/16/2024
Payment Type Credit Account
Manual Ticket# 1131826
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300081
Container 300081
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/01/2024 08:45:19	MANUAL WT	cwalsh3		Gross	74280 lb*
Out	02/16/2024 08:45:19		cwalsh3		Tare	52940 lb*
			* Manual Weight		Net	21340 lb
					Tons	10.67

Comments SWAP 1/22-1/31=9 DAYS RENT 30 MIN SB

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	10.67	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
5	RENT SPW DAILY-CAN	100	9.00	Each				WA-SEATTLE
6	SB HRLY SPW-STANDB	100	0.50	Each				

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 1/31/24

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis
10300 E Marginal Way
Tukwila, WA

Contact Person: Ed

Telephone Number: 206-471-9237

Waste Profile # 1384640P

Waste Type
- [X] CDL
- [X] Contaminated Soil
- [ ] Asbestos
- [ ] Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading

Start Time 6:30am Box # In 300048 Liners (0) 1 2 Unloading Start Time _____

End Time 7:24am Box # Out 300081 Liners (0) 1 2 End Time _____

Transporter Name: R Transport Truck/Chassis # R80/R04

Driver Name Jason Edwards Driver Signature: _____
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849905

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/16/2024
Payment Type Credit Account
Manual Ticket# 1132680
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300114
Container 300114
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	02/09/2024 08:53:27	MANUAL WT	cwalsh3		Gross	81940 lb*
Out	02/16/2024 08:53:27		cwalsh3		Tare	52940 lb*
			* Manual Weight		Net	29000 lb
					Tons	14.50

Comments SWAP 2/1-2/8= 7 DAYS RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	14.50	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				
3	RAIL U SPW-RAIL UN	100	1	Load				
4	LOC U SPW-LOCAL TR	100	1	Load				
5	RENT SPW DAILY-CAN	100	7.00	Each				

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup 2/8/24

Time scheduled for pickup _____

Waste Profile # 138464 OR

Generator Name and Loading Address
Prologis - exchange
Fukwiler WA

Contact Person:

Telephone Number:

Waste Type
- ☐ CDL
- ☐ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY ~~PICK UP ONLY~~ SWAP WTL

Loading
Start Time 4:00 Box # In _____ Liners 0 1 2
End Time 4:30 Box # Out 300114 Liners 0 1 2

Unloading
Start Time _____
End Time _____

Transporter Name: R Transport Truck/Chassis # R-74 / R03

Driver Name Chris Blum Driver Signature [signature]
Please Print

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849909

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/16/2024
Payment Type Credit Account
Manual Ticket# 1131001
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300163
Container 300163
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	01/22/2024 08:55:25	MANUAL WT	cwalsh3		Gross	91080 lb*
Out	02/16/2024 08:55:25		cwalsh3		Tare	52180 lb*
			* Manual Weight		Net	38900 lb
					Tons	19.45

Comments DELIVERY 9/26-1/19=91 DAYS RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	19.45	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	DEL U SPW-DELIVERY	100	1.00	Each				WA-SEATTLE
5	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
6	RENT SPW DAILY-CAN	100	91.00	Each				WA-SEATTLE

Driver`s Signature

WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup _____
Time scheduled for pickup 1/19/24

Generator Name and Loading Address
Prologis - exchange
Tukwilla WA

Contact Person:

Telephone Number:

Waste Profile # 138464 OR

Waste Type
- ☐ CDL
- ☐ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: DROP ONLY PICK UP ONLY (SWAP) WTL

Loading
Start Time 6:00 Box # In 300112 Liners 0 1 2

Unloading
Start Time _____

End Time 6:30 Box # Out 300163 Liners 0 1 2

End Time _____

Transporter Name: R T Transport Truck/Chassis # R-79 / R03

Driver Name Chris Blym (Please Print) Driver Signature [signature]

Remarks:

WASTE MANAGEMENT

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2030

Reprint
Ticket# 849914

Customer Name SIERRA CONSTRUCTION COMPANY I
Ticket Date 02/16/2024
Payment Type Credit Account
Manual Ticket# 11310000
Hauling Ticket#
Destination UP/R TRANSPORT
Profile 138464OR (BRICK AND CONCRETE DEBRIS)
Generator 168-PROLOGIS EXCHANGE PROLOGIS EXCHANGE 3301 SOUTH NORFOLK STREET SEATTLE WA

Carrier 300 300057
Vehicle# 300151
Container 300151
Billing # 0002271
Manifest
PO 01-23-11

Volume

	Time	Scale	Operator	Inbound		
In	01/22/2024 08:57:27	MANUAL WT	cwalsh3		Gross	82040 lb*
Out	02/16/2024 08:57:27		cwalsh3		Tare	52340 lb*
			* Manual Weight		Net	29700 lb
					Tons	14.85

Comments DELIVERY 9/26-1/19=91 DAYS RENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste Solid Oth-	100	14.85	Tons				WA-SEATTLE
2	ENERGY-Energy Surc	100		%				WA-SEATTLE
3	RAIL U SPW-RAIL UN	100	1	Load				WA-SEATTLE
4	DEL U SPW-DELIVERY	100	1.00	Each				WA-SEATTLE
5	LOC U SPW-LOCAL TR	100	1	Load				WA-SEATTLE
6	RENT SPW DAILY-CAN	100	91.00	Each				WA-SEATTLE

Driver`s Signature

WM
WASTE MANAGEMENT

Columbia Ridge Landfill and Recycling Center
a subsidiary of Waste Management
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
(541) 454-2030

Bill Of Lading

Date scheduled for pickup _____

Time scheduled for pickup _____

Generator Name and Loading Address
Prologis - exchange
Tukwilla WA

Contact Person:

Telephone Number:

Waste Profile # 138464 OR

Waste Type
- ☐ CDL
- ☐ Contaminated Soil
- ☐ Asbestos
- ☐ Other: _____

Acknowledgement of Loading:

Company Name: _____ Date: _____

Signature: _____ Name: _____
Generator's Authorized Representative — Please Print

Deliver to:
Union Pacific Seattle Intermodal Facility (ARGO Yard)
402 South Dawson Street
Seattle, Washington 98108
Phone (206) 764-1541 or Night (206) 764-1438

Disposal Facility:
Columbia Ridge Landfill and Recycling Center
18177 Cedar Springs Lane
Arlington, Oregon 97812-6512
Phone # (541) 454-2030

Container Inspection Upon Pickup:

	Yes	No
Tarp in good serviceable condition	☐	☐
Container is in good condition	☐	☐
No free standing water	☐	☐
Container is empty and clean	☐	☐

Circle ONE: **DROP ONLY** PICK UP ONLY (SWAP) WTL

Loading

Start Time 6:30 Box # In 300132 Liners 0 1 2

End Time 7:00 Box # Out 300151 Liners 0 1 2

Unloading

Start Time _____

End Time _____

Transporter Name: R Transport Truck/Chassis # R-79 / R03

Driver Name Chris Blum (Please Print) Driver Signature CB

Remarks:

APPENDIX G
UTILITY INFRASTRUCTURE SPECIFICATIONS

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

COVER SHEET
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON

RECORD DRAWING

Know what's **below.** **Call** before you dig.

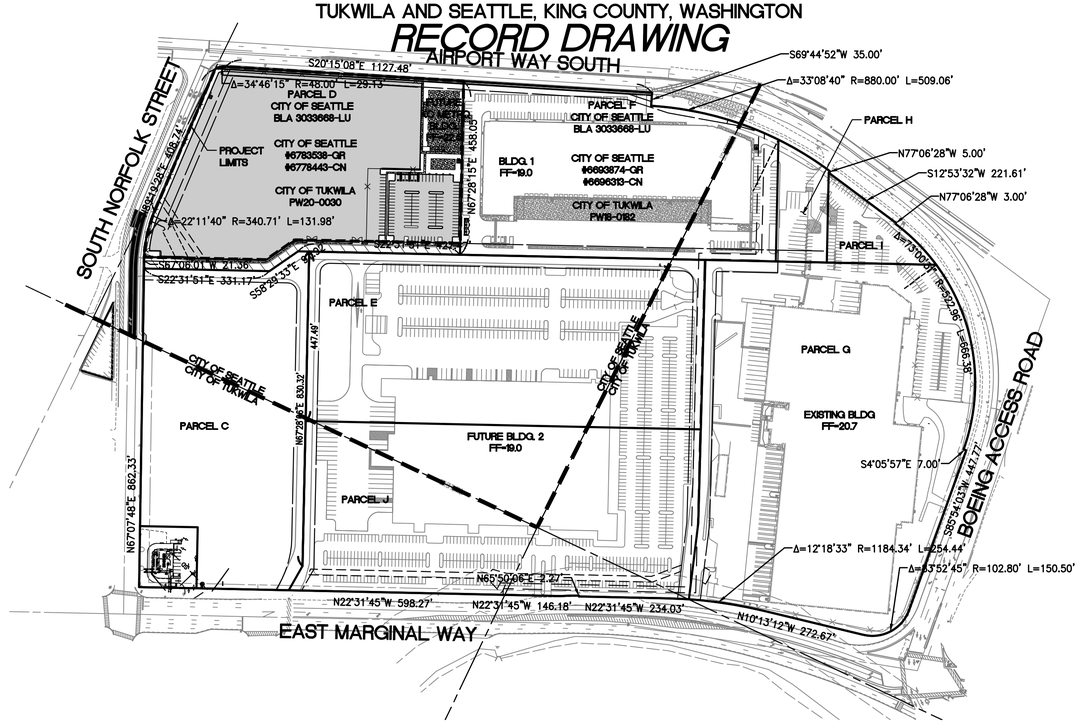
0 40 80 160

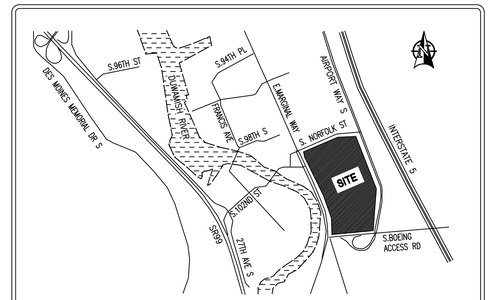
GENERAL SITE NOTES:

1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
2. CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC., TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
6. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MIN. ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
8. THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS INC..
13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

LEGEND:

SURVEY MONUMENT	PROPOSED TYPE II CATCH BASIN
EX. POWER VAULT	PROPOSED TYPE I CATCH BASIN
EX. LUMINAIRE (LUM.)	PROPOSED STORM DRAIN FLOW ARROW
EX. LOT LIGHT	PROPOSED STORM DRAINAGE LINE
EX. POWER POLE	PROPOSED TRENCH DRAIN
EX. JUNCTION BOX	PROPOSED SANITARY SEWER LINE
EX. CATCH BASIN (CB)	PROPOSED SANITARY SEWER CLEANOUT
EX. CATCH BASIN (CB) TYPE 2	PROPOSED SANITARY SEWER MANHOLE
EX. SANITARY SEWER MANHOLE (SSMH)	PROPOSED WATERMAIN (W)
EX. GAS METER	PROPOSED FIRE HYDRANT
EX. GAS VALVE	PROPOSED WATER VALVE
EX. WATER VALVE (WV)	PROPOSED CONCRETE BLOCKING
EX. FIRE HYDRANT (FH)	PROPOSED 90° BEND
MAIL BOX	PROPOSED SPOT ELEVATIONS (P(UG) 23.20)
EX. WATER METER	EXISTING SPOT ELEVATIONS (+100.0)
EX. SIGN	PROPOSED CONTOURS (100)
EX. WATER LINE (-W- -W-)	EXISTING CONTOURS (100)
EX. SANITARY SEWER LINE (SS)	PROPOSED HEAVY DUTY ASPHALT PAVEMENT
EX. STORM DRAINAGE LINE (SD)	
EX. POWER UNDERGROUND (P(UG))	
EX. POWER OVERHEAD (P(OH))	PROPOSED LIGHT DUTY ASPHALT PAVEMENT
EX. METAL FENCE (***)	
EX. WOOD FENCE (//)	PROPOSED CONCRETE





VICINITY MAP (N.T.S.)

SOILS REPORT NOTES:

1. THE FOLLOWING SOILS REPORT FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:
   SOILS REPORT: REPORT OF GEOTECHNICAL ENGINEERING SERVICES JOB NUMBER: 3626-062-00 DATE: JULY 28, 2017
   PREPARED BY: GEOENGINEERS, INC. 17425 NE UNION HILL RD, SUITE 250 REDMOND, WA 98052 (425) 862-6098
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB, AND PAVING CONSTRUCTION.
3. ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR DETERMINATION.
4. A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO HIS/HER SATISFACTION.
5. THE SOILS ENGINEER SHOULD BE NOTIFIED AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY SITE CLEARING OR GRADING.
6. SEE SHEET C20 FOR LIST OF ACTIONS THE CONTRACTOR MUST TAKE DURING ALL SITE WORK IN ORDER TO BE IN COMPLIANCE WITH THE WASHINGTON DEPARTMENT OF ECOLOGY'S ADMINISTRATIVE ORDER DOCKET NO. 18101 ISSUED FOR THE SITE

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C7 OF 28 DEMOLITION PLAN
C8 OF 28 CIVIL SITE PLAN
C9 OF 28 GRADING PLAN
C10 OF 28 GRADING PLAN
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C14 OF 28 ADA ENLARGEMENTS
C15 OF 28 STORM DRAINAGE PLAN
C16 OF 28 STORM DRAINAGE PLAN
C17 OF 28 STORM DRAINAGE PROFILE
C18 OF 28 STORM DRAINAGE PROFILE
C19 OF 28 WATER AND SANITARY SEWER PLAN
C20 OF 28 CONSTRUCTION NOTES AND DETAILS
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C23 OF 28 CONSTRUCTION NOTES AND DETAILS
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GRADE AND FILL SHEET INDEX
FOR REFERENCE ONLY - SEE GRADING PERMIT #6693874-GR

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E3 OF 15 T.E.S.C. AND GRADING PLAN - OVERALL
E4 OF 15 T.E.S.C. AND GRADING PLAN
E5 OF 15 T.E.S.C. AND GRADING PLAN
E6 OF 15 T.E.S.C. AND GRADING PLAN
E7 OF 15 T.E.S.C. AND GRADING PLAN
E8 OF 15 T.E.S.C. AND GRADING PLAN
E9 OF 15 T.E.S.C. AND GRADING PLAN
E10 OF 15 T.E.S.C. AND GRADING CONSTRUCTION NOTES AND DETAILS
E11 OF 15 T.E.S.C. AND GRADING CONSTRUCTION NOTES AND DETAILS
E12 OF 15 T.E.S.C. AND GRADING SECTIONS
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E14 OF 15 T.E.S.C. AND GRADING SECTIONS
E15 OF 15 T.E.S.C. AND GRADING SECTIONS

LOT COVERAGE SUMMARY

BUILDING:	0.28 AC	(3.4%)
ASPHALT/CONCRETE:	7.15 AC	(87.3%)
LANDSCAPE:	0.76 AC	(9.3%)
TOTAL:	8.19 AC	(100%)

ESTIMATED EARTHWORK QUANTITIES:

CUT: 5,900 CY
FILL: 20,600 CY
TOTAL: 14,700 CY FILL

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY, PURSUANT TO WAC 332-120. APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (206) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
PUBLIC LAND SURVEY OFFICE
1111 WASHINGTON STREET S.E.
P.O. BOX 47060
OLYMPIA, WASHINGTON 98504-7060

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

ENGINEER
BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVE S
KENT, WA 98032
PH: (425) 251-6222
CONTACT: DAN BALMELLI, P.E.
EMAIL: DBALMELLI@BARGHAUSEN.COM

DEVELOPER/OWNER
PROLOGIS
12720 GATEWAY DR, SUITE 110
TUKWILA, WA 98168
PH: (510) 661-4027
CONTACT: JAKE MAXWELL
EMAIL: JMAXWELL@PROLOGIS.COM

ARCHITECT
HPA ARCHITECTURE
18831 BARDEEN AVE, SUITE 100
IRVINE, CA 92612
PH: (949) 863-1770
CONTACT: STEVE HONG
EMAIL: STEVE@HPARCHS.COM

SURVEYOR
BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVE S
KENT, WA 98032
PH: (425) 251-6222
CONTACT: BRIAN GILLOOLY, P.L.S.
EMAIL: BGILLOOLY@BARGHAUSEN.COM

STRUCTURAL
BTI
2564 W WOODLAND DRIVE
ANAHEIM, CA 92801
PH: (714) 522-0911
CONTACT: RAFEEK BUSHRA

LANDSCAPE
WBLA
16630 30TH DR SE
BOTHELL, WA 98012
PH: (425) 417-4609
CONTACT: WILLIAM BROWN

MECHANICAL
SYSTEM DESIGN CONSULTANTS
333 SE SECOND AVE, SUITE 100
PORTLAND, OREGON 97214
PH: (503) 248-0227
CONTACT: JOHN ROVERS

FIRE
TBD

SOILS
GEOENGINEERS INC.
17425 NE UNION HILL RD, SUITE 250
REDMOND, WA 98052
PH: (425) 862-6098
CONTACT: KING H CHIN

POST CONSTRUCTION COMPOST CALCULATION WORKSHEET:
[SEE DEFINITIONS BELOW]

1. TOTAL SITE AREA (LOT SIZE)	373,954	SF
2. IMPERVIOUS AREA (Ai)	340,874	SF
3. NON DISTURBANCE AREA (ND)	0	SF
4. OTHER AREA (O)	0	SF
5. ADD ITEMS 2-4	340,874	SF
6. SUBTRACT LINE 5 FROM LINE 1 [THIS EQUALS THE DISTURBED AREA (D)]	33,080	SF
7. MULTIPLY LINE 6 BY 0.0062 [THIS IS THE MINIMUM COMPOST REQUIREMENT]	205	CY

NOTE: RECEIPT FOR THE REQUIRED COMPOST IMPORT MUST BE SHOWN TO THE DPD SITE INSPECTOR AT THE SITE FINAL INSPECTION.

UTILITY SOURCE NOTE:
UTILITY INFORMATION SHOWN ON THESE PLANS ARE DRAWN BY THE SURVEY DEPARTMENT FROM BARGHAUSEN CONSULTING ENGINEERS, SEWER CARDS, EXISTING PLANS AND BASE MAPS FROM CITY PLAN VAULT.

UTILITY CONFLICT NOTE:
CAUTION:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

HORIZONTAL CONTROL NOTE:
CONTRACTOR SHALL HAVE ALL PROPERTY LINES, CURB, SIDEWALK, STRUCTURES, CONCRETE PADS AND ANY OTHER ABOVE GROUND PERMANENT STRUCTURE DEPICTED ON THESE PLANS STAKED FOR CONSTRUCTION BY A LICENSED SURVEYOR. LICENSED SURVEYOR SHALL STAKE ALL ITEMS USING COORDINATE GEOMETRY (RECTIFIED TO SITE CONTROL) CONTAINED IN CAD DRAWING FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETRIEVE LATEST CAD FILES FROM BARGHAUSEN CONSULTING ENGINEERS INC., REFLECTING ANY ISSUED PLAN REVISIONS. BARGHAUSEN CONSULTING ENGINEERS SHALL IMMEDIATELY BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

No.	Date	By	Revision
7	07/10/21	JEP	ADDED CURB
		DKB	
		JEP	
		Ckd.	
		Appr.	

Title: COVER SHEET

PROLOGIS EMERALD GATEWAY - KC METRO

For: PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal 1"=80' Vertical -

Designed JEP Drawn KNZ Checked JEP Approved DKB Date 07/10/21

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 18182

Sheet C1 of 28

P:\18000s\18182\cebuild\KC Metro\18182-0-KC Metro.dwg 3/9/2022 1:00 PM JPULLICINO

LEGAL DESCRIPTION
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON
RECORD DRAWING

SURVEY INFORMATION:

BASIS OF BEARING – NAD83/11 BASIS OF BEARING FOR THIS SURVEY IS NAD83/11 PER WSDOT. WSDOT CONTROL POINT NO. HC17 WAS HELD FOR POSITION AND A LINE BETWEEN SAID CONTROL POINT NO. HC17 AND CONTROL POINT GP17099–222 WAS HELD FOR ROTATION, BEING NORTH 62°07'05" WEST.

VERTICAL DATUM: NAVD88 VERTICAL DATUM FOR THIS PROJECT IS NAVD88 PER WSDOT. WSDOT CONTROL POINT NO. HC17 WAS HELD FOR ELEVATION, BEING 51.191' (NAVD88).

GROSS LOT AREA: GROSS LOT AREA = 2,731,705± S.F. (62.711± ACRES)

NARRATIVE: THIS IS A FIELD TRAVERSE SURVEY. A "TOPCON GT–1000" ROBOTIC TOTAL STATION WITH A "TOPCON RC–5" DATA COLLECTOR, A "TOPCON PS" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE, A "SOKKIA SK" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE, AND A "TOPCON PS" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE WERE USED TO MEASURE THE ANGULAR AND DISTANCE RELATIONSHIPS BETWEEN THE CONTROLLING MONUMENTATION AS SHOWN. CLOSURE RATIOS OF THE TRAVERSE MET OR EXCEEDED THOSE SPECIFIED IN WAC 332–130–090. ALL INSTRUMENTS AND EQUIPMENT HAVE BEEN MAINTAINED IN ADJUSTMENT ACCORDING TO MANUFACTURERS' SPECIFICATIONS.

DATES OF SURVEY: FIELD SURVEY BY BARGHAUSEN CONSULTING ENGINEERS, INC. CONDUCTED IN SEPTEMBER 2016. ALL MONUMENTS SHOWN AS FOUND WERE VISITED AT THAT TIME.

SURVEYOR'S NOTES:
1. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
2. SITE ABUTS "S. NORFOLK ST.", "E. MARGINAL WAY S.", "AIRPORT WAY S.", AND "S. BOEING ACCESS RD.". ALL THESE ROADS ARE PUBLIC RIGHT–OF–WAYS. THE SITE HAS ACCESS TO ALL OF THESE ROADS.

REFERENCE SURVEYS:
1. BOEING FIELD RECORD OF SURVEY, REC. NO. 20080422900001
2. UNRECORDED SURVEY BY DAVID EVANS AND ASSOCIATES, DATED JANUARY 9, 2007
3. UNRECORDED SURVEY BY DUFFY, LAWVER & KUMPF, INC., ENGINEERS, DATED OCTOBER 17, 1972

REVISED LEGAL DESCRIPTIONS:

PARCEL A:
THAT PORTION OF TIMOTHY GROW'S DONATION LAND CLAIM IN SECTIONS 3 AND 4, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M.,

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3;
THENCE SOUTH 01°31'37" WEST, ALONG THE WEST LINE OF SAID SUBDIVISION, 30.00 FEET TO A POINT ON THE SOUTH LINE OF THE NORTH 30 FEET IN WIDTH OF SAID SUBDIVISION AND THE TRUE POINT OF BEGINNING;
THENCE SOUTH 87°37'49" EAST, ALONG SAID SOUTH LINE, 58.40 FEET TO AN INTERSECTION WITH THE NORTHERLY MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE SOUTH 67°07'48" WEST, ALONG SAID NORTHERLY MARGIN, 203.66 FEET TO AN INTERSECTION WITH A LINE WHICH IS 213 FEET WESTERLY, MEASURED AT RIGHT ANGLES TO AND PARALLEL WITH THE WESTERLY MARGIN OF SAID PUGET SOUND ELECTRIC COMPANY RIGHT–OF–WAY;
THENCE NORTH 07°03'44" WEST, ALONG SAID PARALLEL LINE, 88.03 FEET TO A POINT WHICH BEARS NORTH 87°37'49" WEST 140.25 FEET FROM THE TRUE POINT OF BEGINNING;
THENCE SOUTH 88°40'52" EAST 140.25 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL B:
THAT PORTION OF TIMOTHY GROW'S DONATION LAND CLAIM, IN SECTION 4, TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK;
THENCE SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 21.44 FEET;
THENCE SOUTH 67°28'09" WEST, 830.66 FEET;
THENCE NORTH 89°45'40" WEST, 69.71 FEET TO THE EAST MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE ALONG SAID EAST MARGIN, NORTH 22°31'45" WEST, 243.83 FEET TO THE TRUE POINT OF BEGINNING;
THENCE DEPARTING SAID EAST MARGIN, NORTH 67°28'15" EAST, 161.00 FEET;
THENCE NORTH 22°31'45" WEST, 152.18 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE ALONG SAID SOUTH MARGIN, SOUTH 67°07'48" WEST, 161.00 FEET TO THE EAST MARGIN OF SAID EAST MARGINAL WAY SOUTH;
THENCE ALONG SAID EAST MARGIN, SOUTH 22°31'45" EAST, 151.22 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL C:
THAT PORTION OF TIMOTHY GROW'S DONATION LAND CLAIM IN SECTIONS 3 AND 4, GOVERNMENT LOT 1 IN SECTION 3, AND GOVERNMENT LOT 8 IN SECTION 4 TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET AND THE TRUE POINT OF BEGINNING;
THENCE SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 29.46 FEET;
THENCE SOUTH 67°28'06" WEST, 830.33 FEET;
THENCE NORTH 84°04'54" WEST, 73.50 FEET TO THE EAST MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE ALONG SAID EAST MARGIN, NORTH 22°31'45" WEST, 243.83 FEET;
THENCE DEPARTING SAID EAST MARGIN, NORTH 67°28'15" EAST, 161.00 FEET;
THENCE NORTH 22°31'45" WEST, 152.18 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE ALONG SAID SOUTH MARGIN, NORTH 67°07'48" EAST, 679.96 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL D:
THAT PORTION OF TIMOTHY GROWS DONATION LAND CLAIM AND GOVERNMENT LOT 1 IN SECTION 3, TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET AND THE TRUE POINT OF BEGINNING;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 427.47 FEET;
THENCE NORTH 67°28'09" EAST, 458.05 FEET TO THE WEST MARGIN OF SAID AIRPORT WAY SOUTH;
THENCE ALONG SAID WEST MARGIN, NORTH 20°15'08" WEST, 629.33 FEET TO A POINT OF CURVATURE;
THENCE CONTINUING ALONG SAID WEST MARGIN, NORTHWESTERLY ALONG THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 48.00 FEET, THROUGH A CENTRAL ANGLE OF 34°46'15", AND AN ARC LENGTH OF 29.13 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE THE NEXT 3 COURSES ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET,
SOUTH 89°19'28" WEST, 408.74 FEET TO A POINT OF CURVATURE;
THENCE WESTERLY ALONG THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 340.71 FEET, THROUGH A CENTRAL ANGLE OF 22°11'40", AND AN ARC LENGTH OF 131.98 FEET;
THENCE SOUTH 67°07'48" WEST, 21.36 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL E:
THAT PORTION OF TIMOTHY GROWS DONATION LAND CLAIM IN SECTYIONS 3 AND 4, GOVERNMENT LOT 1 IN SECTION 3, THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, AND GOVERNMENT LOTS 8 AND 9 IN SECTION 4, ALL IN TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 21.44 FEET TO THE TRUE POINT OF BEGINNING;
THENCE SOUTH 67°28'09" WEST, 447.49 FEET;
THENCE SOUTH 22°31'51" EAST, 1,043.38 FEET;
THENCE NORTH 67°28'06" EAST, 447.50 FEET TO A POINT WHICH BEARS SOUTH 22°31'51" EAST FROM THE TRUE POINT OF BEGINNING;
THENCE NORTH 22°31'51" WEST, 1,045.98 FEET TO THE TRUE POINT OF BEGINNING.

TOGETHER WITH AN EASEMENT FOR ACCESS AND UTILITIES RECORDED UNDER RECORDING NO. _____, RECORDS OF KING COUNTY, WASHINGTON.

PARCEL F:
THAT OF GOVERNMENT LOT 1 IN SECTION 3, THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, ALL IN TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 427.47 FEET TO THE TRUE POINT OF BEGINNING;
THENCE CONTINUING SOUTH 22°31'51" EAST, 834.00 FEET;
THENCE NORTH 67°28'09" EAST, 321.18 FEET TO THE WEST MARGIN OF SAID AIRPORT WAY SOUTH, BEING A POINT ON A NON–TANGENT CURVE, THE RADIUS POINT OF WHICH BEARS NORTH 87°28'44" WEST;
THENCE NORTHERLY SAID WEST MARGIN, ALONG THE ARC OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 880.00 FEET, THROUGH A CENTRAL ANGLE OF 22°46'24", AND AN ARC LENGTH OF 349.77 FEET TO AN ANGLE POINT;
THENCE ALONG SAID WEST MARGIN, NORTH 69°44'52" EAST, 35.00 FEET TO AN ANGLE POINT;
THENCE ALONG SAID WEST MARGIN, NORTH 20°15'08" WEST, 498.15 FEET TO A POINT WHICH THE TRUE POINT OF BEGINNING BEARS NORTH 67°28'09" EAST;
THENCE SOUTH 67°28'09" WEST, 458.05 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL G:
THAT PORTION OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 1,075.44 FEET TO THE TRUE POINT OF BEGINNING;
THENCE CONTINUING SOUTH 22°31'51" EAST, 609.89 FEET TO THE NORTHWESTERLY MARGIN OF AIRPORT WAY SOUTH, BEING A POINT ON A NON–TANGENT CURVE, THE RADIUS POINT OF WHICH BEARS NORTH 60°15'53" WEST;
THENCE ALONG SAID NORTHWESTERLY MARGIN, SOUTHWESTERLY ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 522.96 FEET, THROUGH A CENTRAL ANGLE OF 56°09'57", AND AN ARC LENGTH OF 512.65 FEET TO THE NORTH MARGIN OF SOUTH BOEING ACCESS ROAD;
THENCE ALONG SAID NORTH MARGIN, SOUTH 04°05'57" EAST, 7.00 FEET;
THENCE ALONG SAID NORTH MARGIN, SOUTH 85°54'03" WEST, 447.77 FEET TO A POINT OF CURVATURE;
THENCE NORTHWESTERLY ALONG THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 102.80 FEET, THROUGH A CENTRAL ANGLE OF 83°52'45", AND AN ARC LENGTH OF 150.50 FEET TO THE EAST MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE ALONG SAID EAST MARGIN NORTH 10°13'12" WEST, 272.67 FEET TO A POINT OF CURVATURE;
THENCE NORTHERLY ALONG THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 1,184.34 FEET, THROUGH A CENTRAL ANGLE OF 09°34'56", AND AN ARC LENGTH OF 198.07 FEET;
THENCE DEPARTING SAID EAST MARGIN, NORTH 73°15'40" EAST, 202.68 FEET TO A POINT WHICH BEARS SOUTH 67°48'06" WEST FROM THE TRUE POINT OF BEGINNING;
THENCE NORTH 67°48'06" EAST, 694.68 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL H:
THAT PORTION OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 1,261.47 FEET TO THE TRUE POINT OF BEGINNING;
THENCE CONTINUING SOUTH 22°31'51" EAST, 134.53 FEET;
THENCE NORTH 67°28'09" EAST, 237.00 FEET TO THE WESTERLY MARGIN OF SAID AIRPORT WAY SOUTH;
THENCE ALONG SAID WESTERLY MARGIN SOUTH 77°06'28" EAST, 5.00 FEET TO A POINT ON A NON–TANGENT CURVE, THE RADIUS POINT OF WHICH BEARS NORTH 77°06'28" WEST;
THENCE ALONG SAID WESTERLY MARGIN, NORTHERLY ALONG THE ARC OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 880.00 FEET, THROUGH A CENTRAL ANGLE OF 10°22'16", AND AN ARC LENGTH OF 159.29 FEET TO A POINT WHICH BEARS NORTH 67°28'09" EAST FROM THE TRUE POINT OF BEGINNING;
THENCE SOUTH 67°28'09" WEST, 321.18 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL I:
THAT PORTION OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING ALONG SAID SOUTH MARGIN, SOUTH 04°05'57" EAST, 7.00 FEET;
THENCE ALONG SAID NORTH MARGIN, SOUTH 85°54'03" WEST, 447.77 FEET TO A POINT OF CURVATURE;
THENCE NORTHWESTERLY ALONG THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 102.80 FEET, THROUGH A CENTRAL ANGLE OF 83°52'45", AND AN ARC LENGTH OF 150.50 FEET TO THE EAST MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE ALONG SAID EAST MARGIN NORTH 10°13'12" WEST, 272.67 FEET TO A POINT OF CURVATURE;
THENCE NORTHERLY ALONG THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 1,184.34 FEET, THROUGH A CENTRAL ANGLE OF 09°34'56", AND AN ARC LENGTH OF 198.07 FEET;
THENCE DEPARTING SAID EAST MARGIN, NORTH 73°15'40" EAST, 202.68 FEET TO A POINT WHICH BEARS SOUTH 67°48'06" WEST FROM THE TRUE POINT OF BEGINNING;
THENCE NORTH 67°48'06" EAST, 694.68 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL J:
THAT PORTION OF TIMOTHY GROWS DONATION LAND CLAIM IN SECTIONS 3 AND 4, GOVERNMENT LOT 1 IN SECTION 3, THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, AND GOVERNMENT LOTS 8 AND 9 IN SECTION 4, ALL IN TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 21.44 FEET;
THENCE SOUTH 67°28'09" WEST, 447.49 FEET TO THE TRUE POINT OF BEGINNING;
THENCE SOUTH 22°31'51" EAST, 1,043.38 FEET;
THENCE SOUTH 67°48'06" WEST, 247.19 FEET;
THENCE SOUTH 73°15'40" WEST, 202.68 FEET TO THE EAST MARGIN OF EAST MARGINAL WAY SOUTH, BEING A POINT ON A NON–TANGENT CURVE, THE RADIUS OF WHICH BEARS SOUTH 70°11'52" WEST;
THENCE THE NEXT SIX COURSES ALONG SAID EAST LINE,
NORTHERLY ALONG THE ARC OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 1,184.34 FEET, THROUGH A CENTRAL ANGLE OF 02°43'37", AND AN ARC LENGTH OF 56.37 FEET;
THENCE NORTH 22°31'45" WEST, 234.03 FEET;
THENCE NORTH 65°50'06" EAST, 2.27 FEET;
THENCE NORTH 24°09'24" WEST, 19.00 FEET;
THENCE NORTH 25°48'32" WEST, 30.24 FEET;
THENCE NORTH 22°31'45" WEST, 716.87 FEET;
THENCE DEPARTING SAID EAST LINE, SOUTH 84°04'54" EAST, 73.50 FEET TO A POINT WHICH BEARS SOUTH 67°28'06" WEST FROM THE TRUE POINT OF BEGINNING;
THENCE NORTH 67°28'06" EAST, 382.83 FEET TO THE TRUE POINT OF BEGINNING.

No.	Date	By	Ckd.	Appr.	Revision
7	07/10/21	JEP	JEP	DKB	ADDED CURB

Title: LEGAL DESCRIPTION

PROLOGIS EMERALD GATEWAY – KC METRO

For: PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALDWIN — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal – Vertical –

Designed JEP
Drawn KNZ
Checked JEP
Approved DKB
Date 07/10/21

JPULLICINO Xref: ----

Scale:1" = 1'

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 18182

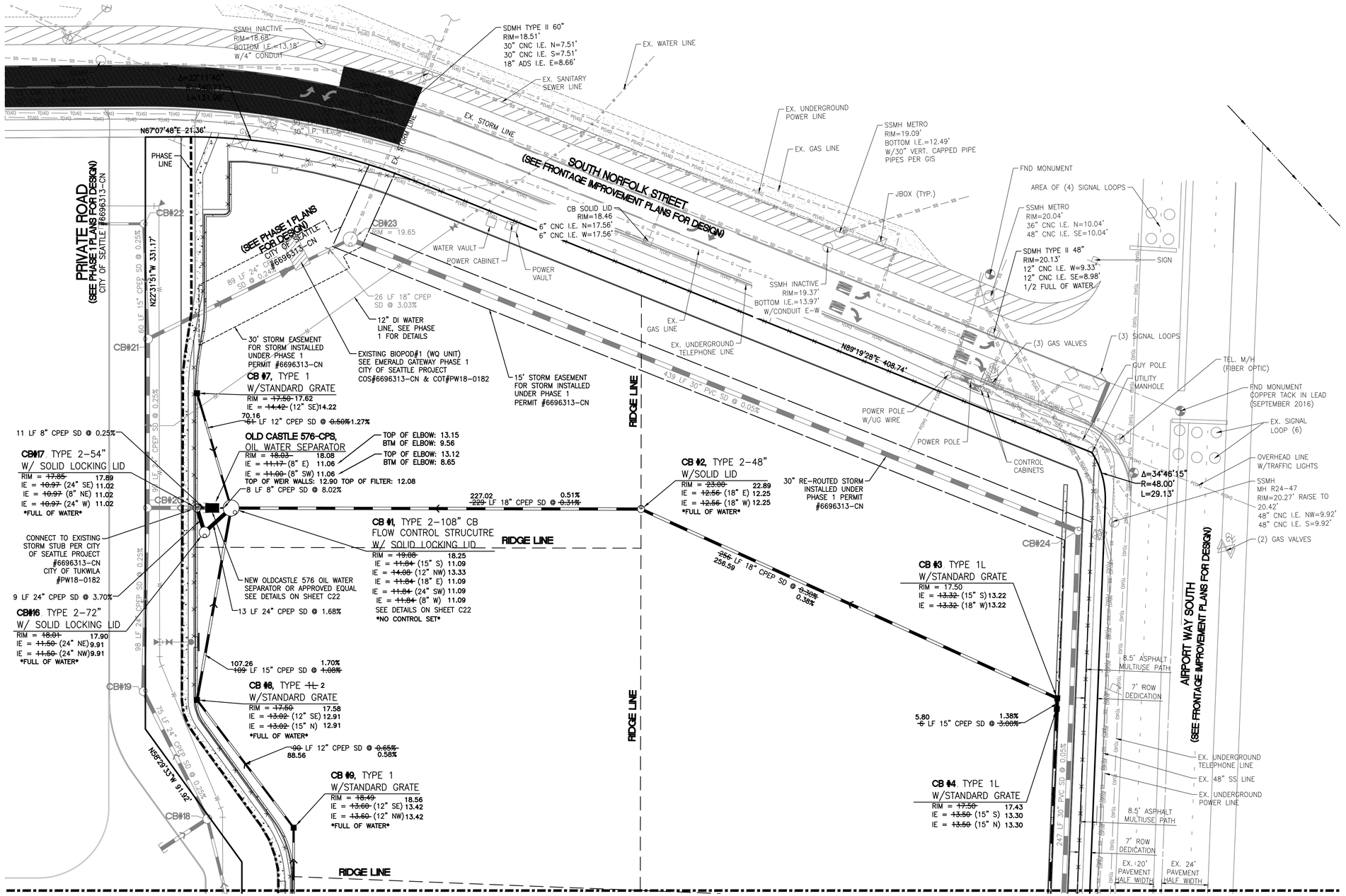
Sheet C2 of 28

STORM DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON

RECORD DRAWING

NOTE:
SEATTLE SIDE SEWER PERMIT(S) ARE REQUIRED FOR ALL SANITARY AND DRAINAGE WORK. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED THAT INCLUDES THE SEATTLE SITE INSPECTORS, THE TUKWILA SITE INSPECTORS, AND THE CONTRACTOR TO COORDINATE WHICH AGENCY WILL INSPECT EACH DRAINAGE AND SANITARY SEWER ITEM. CONTACT ROGER MOORE WITH SDCI AT (206) 733-9039 OR ROGER.MOORE@SEATTLE.GOV AND THE ASSIGNED TUKWILA INSPECTOR AFTER PERMIT APPROVAL TO SCHEDULE THE PRE-CONSTRUCTION MEETING. AS-BUILTS FOR ALL DRAINAGE AND SANITARY SEWER WORK IN SEATTLE MUST BE SUBMITTED VIA A SIDE SEWER PERMIT, EVEN IF TUKWILA DOES THE INSPECTION.

0 15 30 60



MATCHLINE: SEE SHEET C16 FOR CONTINUATION

SPECIAL NOTES:

1. ALL CONC. CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C24).
2. ALL CATCH BASINS, INLETS SHALL BE MARKED AS FOLLOWS: "DUMP NO WASTE, DRAINS TO STREAM." OR "DUMP NO WASTE, DRAINS TO SOUND".

   THE CITY WILL PROVIDE STICKERS TO THE CONTRACTOR FOR INSTALLATION.
3. INSPECTION OF STORM AND SEWER SYSTEMS MUST BE COORDINATED WITH CITY OF SEATTLE AND CITY OF TUKWILA THROUGH A PRE-CONSTRUCTION MEETING.
4. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.

AS-BUILT MEASUREMENTS / NOTES

THIS SECTION IS TO BE COMPLETED AFTER THE DRAINAGE, WASTEWATER, AND SIDE SEWER FEATURES HAVE BEEN INSTALLED. FOR INSTRUCTIONS TO PREPARE THE AS-BUILT PLAN, SEE SDCI TIP #504.

SDCI SIDE SEWER AND DRAINAGE PERMIT # _____

MEASUREMENTS IN THE RIGHT-OF-WAY
(TO BE TAKEN BY A REGISTERED SIDE SEWER CONTRACTOR (RSSC))

1. DISTANCE FROM CENTERLINE OF DOWSTREAM MH TO CENTERLINE OF NEW SERVICE CONNECTION _____
2. SIDE SEWER INTERSECTION WITH PROPERTY LINE – DEPTH _____
3. SIDE SEWER INSTERSECTION WITH PROPERTY LINE – DISTANCE _____

STORMWATER FACILITIES/CONTROL OPERATIONS & MAINTENANCE REQUIREMENTS

ALL STORMWATER FACILITIES/CONTROLS SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 SEATTLE STORMWATER MANUAL, APPENDIX G.

NOTES:

1. SEE SHEET C25 FOR THE SDCI SITE AND DRAINAGE CONTROL SUMMARY SHEET.
2. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01, SEE SHEET C14.
3. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02, SEE SHEET C14.
4. CB#12 AND CB#13 TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03, SEE SHEET C14.
5. CATCHBASINS #1-#12 AND #14 WILL UTILIZE STANDARD RECTANGULAR VANED GRATES IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11, SEE SHEET C14. CATCHBASIN #13 TO UTILIZE A STANDARD LOCKING LID.
6. CATCHBASINS ARE SHOWN AT CENTER OF GRATE.

No.	Date	By	Ckd.	Appr.	Revision
7	07/10/21	JEP	JEP	DKB	ADDED CURB

Title: STORM DRAINAGE PLAN

PROLOGIS EMERALD GATEWAY - KC METRO

For:
PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALDWIN — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal 1"=30' Vertical -

Designed JEP Drawn KNZ Checked JEP Approved DKB Date 07/19/21

Scale:1" = 1' JPULLICINO Xref: ----

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C15 of 28

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STORM DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON

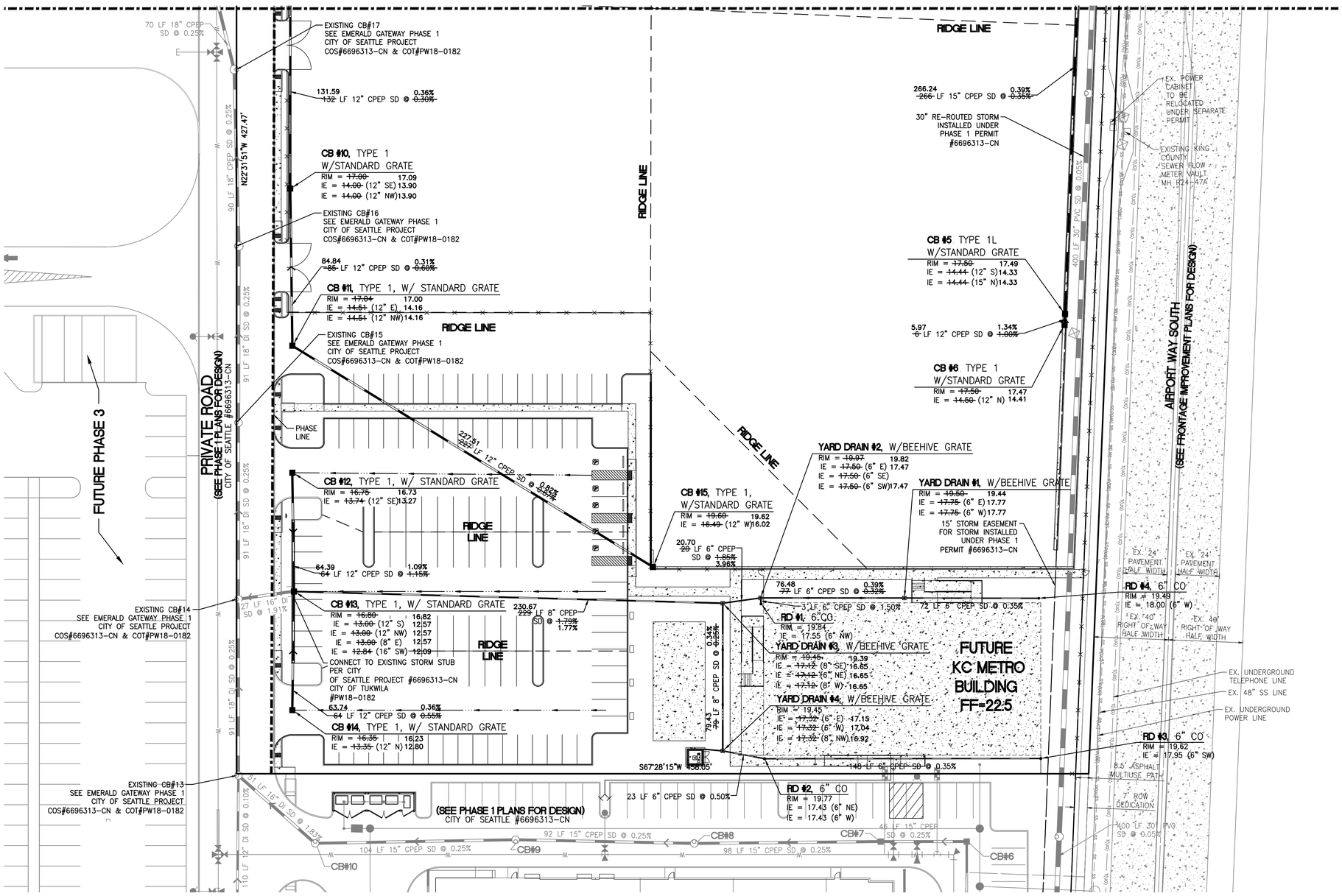
RECORD DRAWING

N

0 15 30 60

NOTE:
SEATTLE SIDE SEWER PERMIT(S) ARE REQUIRED FOR ALL SANITARY AND DRAINAGE WORK. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED THAT INCLUDES THE SEATTLE SITE INSPECTORS, THE TUKWILA SITE INSPECTORS, AND THE CONTRACTOR TO COORDINATE WHICH AGENCY WILL INSPECT EACH DRAINAGE AND SANITARY SEWER ITEM. CONTACT ROGER MOORE WITH SDCI AT (206) 733-9039 OR ROGER.MOORE@SEATTLE.GOV AND THE ASSIGNED TUKWILA INSPECTOR AFTER PERMIT APPROVAL TO SCHEDULE THE PRE-CONSTRUCTION MEETING. AS-BUILTS FOR ALL DRAINAGE AND SANITARY SEWER WORK IN SEATTLE MUST BE SUBMITTED VIA A SIDE SEWER PERMIT, EVEN IF TUKWILA DOES THE INSPECTION.

MATCHLINE: SEE SHEET C15 FOR CONTINUATION



SPECIAL NOTES:

1. ALL CONC. CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C24).
2. ALL CATCH BASINS, INLETS SHALL BE MARKED AS FOLLOWS: "DUMP NO WASTE, DRAINS TO STREAM." OR "DUMP NO WASTE, DRAINS TO SOUND".

   THE CITY WILL PROVIDE STICKERS TO THE CONTRACTOR FOR INSTALLATION.
3. INSPECTION OF STORM AND SEWER SYSTEMS MUST BE COORDINATED WITH CITY OF SEATTLE AND CITY OF TUKWILA THROUGH A PRE-CONSTRUCTION MEETING.
4. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.

AS-BUILT MEASUREMENTS / NOTES

THIS SECTION IS TO BE COMPLETED AFTER THE DRAINAGE, WASTEWATER, AND SIDE SEWER FEATURES HAVE BEEN INSTALLED. FOR INSTRUCTIONS TO PREPARE THE AS-BUILT PLAN, SEE SDCI TIP #504.

SDCI SIDE SEWER AND DRAINAGE PERMIT # _____

MEASUREMENTS IN THE RIGHT-OF-WAY
(TO BE TAKEN BY A REGISTERED SIDE SEWER CONTRACTOR (RSSC))

1. DISTANCE FROM CENTERLINE OF DOWSTREAM MH TO CENTERLINE OF NEW SERVICE CONNECTION _____
2. SIDE SEWER INTERSECTION WITH PROPERTY LINE – DEPTH _____
3. SIDE SEWER INSTERSECTION WITH PROPERTY LINE – DISTANCE _____

STORMWATER FACILITIES/CONTROL OPERATIONS & MAINTENANCE REQUIREMENTS

ALL STORMWATER FACILITIES/CONTROLS SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 SEATTLE STORMWATER MANUAL, APPENDIX G.

NOTES:

1. SEE SHEET C25 FOR THE SDCI SITE AND DRAINAGE CONTROL SUMMARY SHEET.
2. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01, SEE SHEET C14.
3. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02, SEE SHEET C14.
4. CB#12 AND CB#13 TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03, SEE SHEET C14.
5. CATCHBASINS #1-#12 AND #14 WILL UTILIZE STANDARD RECTANGULAR VANED GRATES IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11, SEE SHEET C14. CATCHBASIN #13 TO UTILIZE A STANDARD LOCKING LID.
6. CATCHBASINS ARE SHOWN AT CENTER OF GRATE.

No.	Date	By	Revision
1	07/10/21	JEP	ADDED CURB
		DKB	
		JEP	Appr.
			Ckd.

Title: STORM DRAINAGE PLAN

PROLOGIS EMERALD GATEWAY - KC METRO

For: PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal 1"=30' Vertical -

Designed JEP Drawn KNZ Checked JEP Approved DKB Date 07/10/21

Scale:1 = 1" JPULLICINO Xref: ----

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C16 of 28

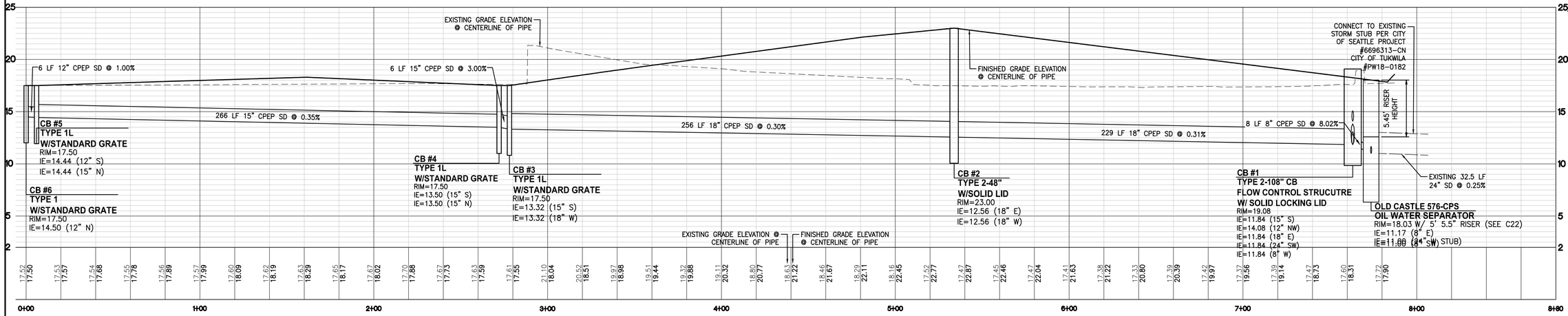
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STORM DRAINAGE PROFILE
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON

RECORD DRAWING

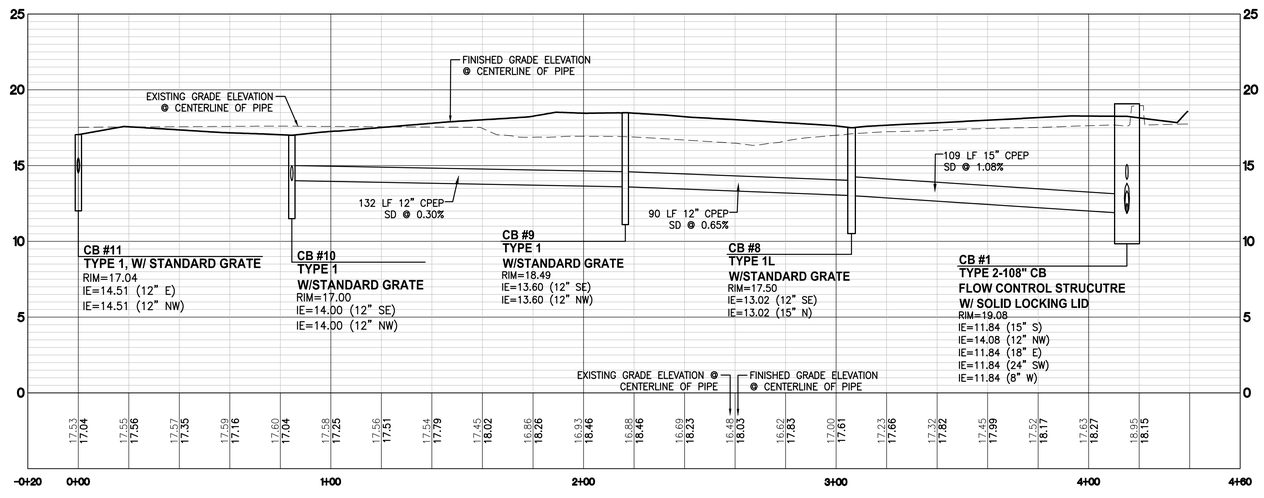
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TRAINING YARD - EAST STORM PROFILE

HORIZONTAL 1"=30' VERTICAL 1"=5'



TRAINING YARD - SOUTH STORM PROFILE

HORIZONTAL 1"=30' VERTICAL 1"=5'

No.	Date	By	Chkd.	Appr.	Revision
7	07/10/21	JEP	JEP	DKB	ADDED CURB

Title: STORM DRAINAGE PLAN

PROLOGIS EMERALD GATEWAY - KC METRO

For:
PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn KNZ Checked JEP Approved DKB Date 07/10/21

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

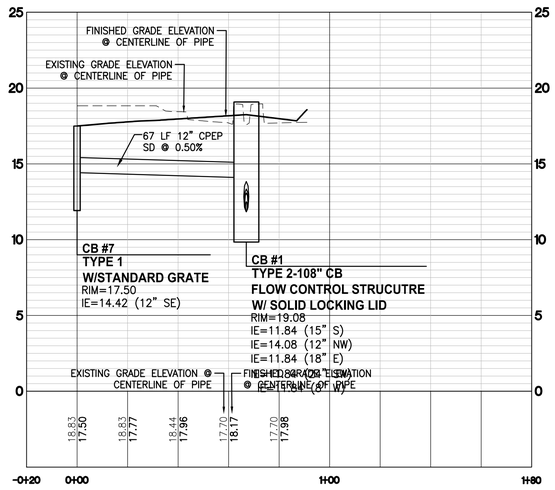
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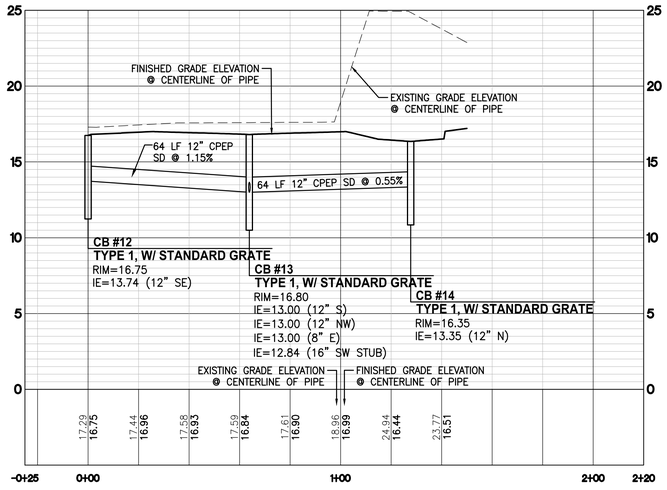
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HORIZONTAL SCALE

0 2.5 5 10
VERTICAL SCALE

STORM DRAINAGE PROFILE
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF
TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON
RECORD DRAWING



TRAINING YARD - NORTH STORM PROFILE
HORIZONTAL 1"=30' VERTICAL 1"=5'



PARKING LOT - STORM PROFILE
HORIZONTAL 1"=30' VERTICAL 1"=5'

No.	Date	By	Chkd.	Appr.	Revision
7	07/10/21	JEP	JEP	DKB	ADDED CURB

Title: STORM DRAINAGE PLAN

PROLOGIS EMERALD GATEWAY - KC METRO

For:
PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn KNZ Checked JEP Approved DKB Date 07/10/21

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Job Number 18182

Sheet C18 of 28

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WATER AND SANITARY SEWER PLAN
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON

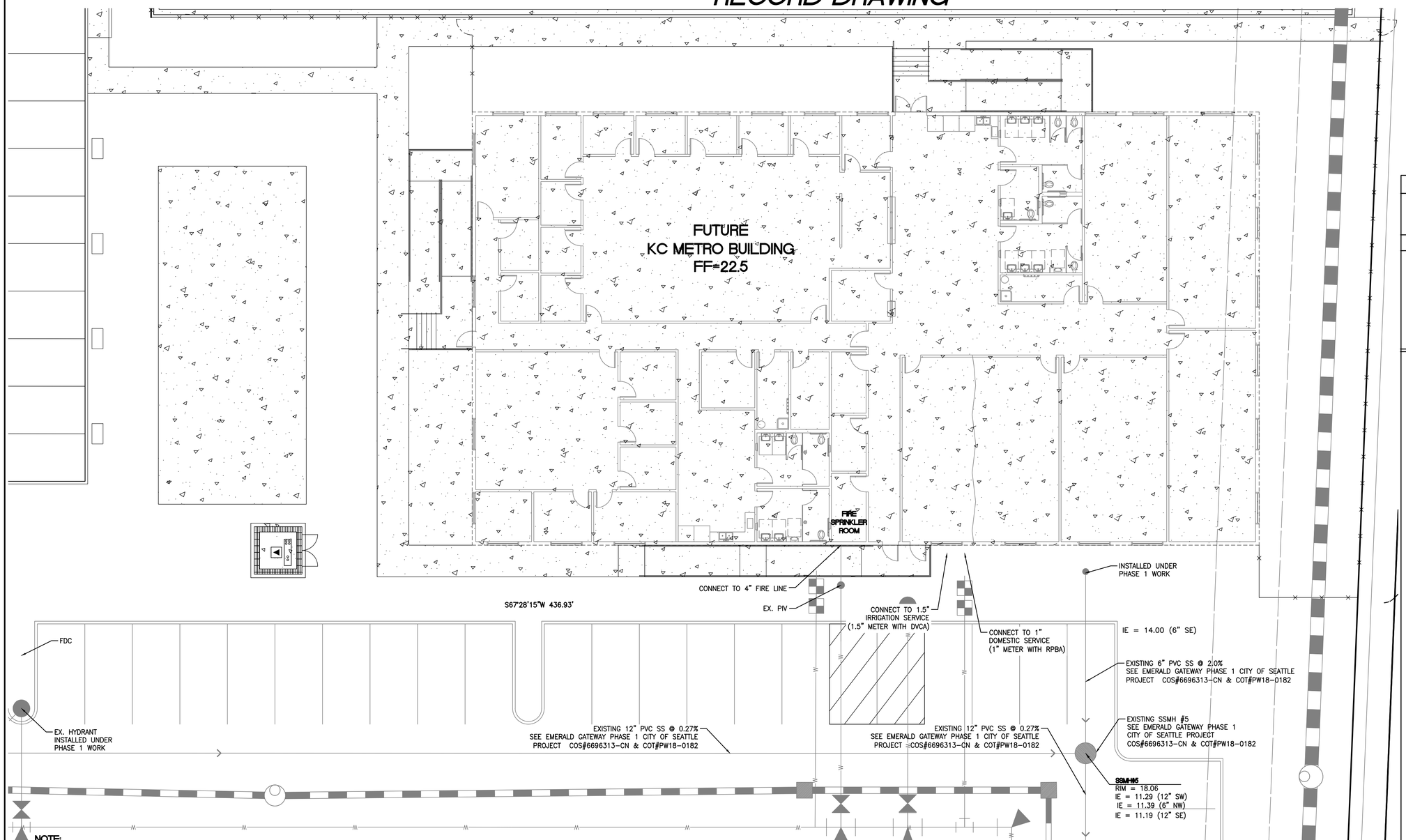
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SPECIAL NOTES:

1. INSPECTION OF STORM AND SEWER SYSTEMS MUST BE COORDINATED WITH CITY OF SEATTLE AND CITY OF TUKWILA THROUGH A PRE-CONSTRUCTION MEETING.
2. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
3. ALL SANITARY SEWER CLEANOUTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL SS-03, SEE SHEET C15.

NOTES:

1. WATER METER TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL WS-01, SEE SHEET C15.



NOTE:
SEATTLE SIDE SEWER PERMIT(S) ARE REQUIRED FOR ALL SANITARY AND DRAINAGE WORK. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED THAT INCLUDES THE SEATTLE SITE INSPECTORS, THE TUKWILA SITE INSPECTORS, AND THE CONTRACTOR TO COORDINATE WHICH AGENCY WILL INSPECT EACH DRAINAGE AND SANITARY SEWER ITEM. CONTACT ROGER MOORE WITH SDCI AT (206) 733-9039 OR ROGER.MOORE@SEATTLE.GOV AND THE ASSIGNED TUKWILA INSPECTOR AFTER PERMIT APPROVAL TO SCHEDULE THE PRE-CONSTRUCTION MEETING. AS-BUILTS FOR ALL DRAINAGE AND SANITARY SEWER WORK IN SEATTLE MUST BE SUBMITTED VIA A SIDE SEWER PERMIT, EVEN IF TUKWILA DOES THE INSPECTION.

AS-BUILT MEASUREMENTS / NOTES

THIS SECTION IS TO BE COMPLETED AFTER THE DRAINAGE, WASTEWATER, AND SIDE SEWER FEATURES HAVE BEEN INSTALLED. FOR INSTRUCTIONS TO PREPARE THE AS-BUILT PLAN, SEE SDCI TIP #504.

SDCI SIDE SEWER AND DRAINAGE PERMIT # _____

MEASUREMENTS IN THE RIGHT-OF-WAY
(TO BE TAKEN BY A REGISTERED SIDE SEWER CONTRACTOR (RSSC))

1. DISTANCE FROM CENTERLINE OF DOWSTREAM MH TO CENTERLINE OF NEW SERVICE CONNECTION _____
2. SIDE SEWER INTERSECTION WITH PROPERTY LINE – DEPTH _____
3. SIDE SEWER INSTERSECTION WITH PROPERTY LINE – DISTANCE

STORMWATER FACILITIES/CONTROL OPERATIONS & MAINTENANCE REQUIREMENTS

ALL STORMWATER FACILITIES/CONTROLS SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2016 SEATTLE STORMWATER MANUAL, APPENDIX G.

NOTE:
PLUMBING PLANS SHOWN FOR REFERENCE ONLY. CURRENT CIVIL PERMIT TO CONSTRUCT SITE IMPROVEMENTS ONLY WITH BUILDING TO BE PERMITTED IN FUTURE UNDER ADDITIONAL CIVIL PERMITS AS REQUIRED

No.	Date	By	Ckd.	Appr.	Revision
7	07/10/21	JEP	JEP	DKB	ADDED CURB

Title: WATER AND SANITARY SEWER PLAN

PROLOGIS EMERALD GATEWAY - KC METRO

For:
PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal 1"=10' Vertical -

Designed JEP Drawn KNZ Checked JEP Approved DKB Date 07/10/21

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Job Number 18182

Sheet C19 of 28

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON

RECORD DRAWING

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2017 CITY OF SEATTLE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION; THE CITY OF SEATTLE STANDARD PLANS, 2017 EDITION; AND SEATTLE DEPARTMENT OF TRANSPORTATION, DIRECTOR'S RULE 94-8 (REV. 1) FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.

2. A COPY OF THE APPROVED PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

3. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY.

4. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF SEATTLE. THE CONTRACTOR SHALL NOTIFY THE OWNER'S PROFESSIONAL ENGINEERING CONSULTANT OF THE PRE-CONSTRUCTION MEETING TIME AND LOCATION.

5. PAVED SURFACES INCLUDING ROADWAYS, SIDEWALKS, AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED AS REQUIRED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION, STREET USE INSPECTOR.

6. DATUM: NAVD 88. THE CITY OF SEATTLE ESTABLISHED BENCHMARK USED FOR THIS PROJECT IS LOCATED AT TOP OF BRASS DISK 10'S AND 5'W OF BACK OF SIDEWALK @ SE QUADRANT OF INTERSECTION OF S. ANDOVER ST. AND RAINIER AVE. S. AND IS REFERENCED AS CITY OF SEATTLE CONTROL POINT No. SNV-2513. THE BENCHMARK ELEVATION IS 46.05.

7. ALL SURVEYING AND STAKING OF IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY IS TO BE PROVIDED BY THE CITY OF SEATTLE AT OWNER'S EXPENSE.

8. THE CONTRACTOR SHALL NOTIFY THE SEATTLE FIRE DEPARTMENT DISPATCHER (206-386-1495) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.

9. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.

10. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

11. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.

12. UTILITY SERVICE CONNECTIONS SHOWN ON THIS PLAN ARE TO BE MAINTAINED PRIVATELY AND NOT BY THE CITY OF SEATTLE.

13. THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE STREET USE INSPECTOR.

14. BACKFILL MATERIAL USED IN PUBLIC RIGHT-OF-WAY SHALL MEET STANDARD SPECIFICATIONS AND SHALL BE APPROVED BY SEATTLE DEPARTMENT OF TRANSPORTATION.

15. INSPECTION AND ACCEPTANCE OF ALL WORK IN STREET RIGHTS-OF-WAY WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF SEATTLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET CITY STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.

16. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.

17. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR SEATTLE DEPARTMENT OF TRANSPORTATION APPROVAL.

18. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL. A TRAFFIC CONTROL PLAN WILL BE REQUIRED PRIOR TO ISSUANCE OF PERMIT.

19. COORDINATE SIGN AND METER HEAD REMOVAL AND INSTALLATION WITH SEATTLE DEPARTMENT OF TRANSPORTATION (ROBERT BURNS) AT 684-5370. SIGNPOSTS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD PLAN NO.'S 620, 622, 624, & 625.

20. ALL WORK PERFORMED BY SEATTLE CITY LIGHT, SEATTLE WATER, AND OTHER PUBLIC UTILITIES TO REMOVE OR RELOCATE EXISTING UTILITIES SHALL BE DONE AT THE PERMITTEE'S EXPENSE.

21. CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.

22. CONTRACTOR SHALL NOTIFY KING COUNTY METRO AT 684-2732 SEVEN DAYS IN ADVANCE OF ANY IMPACT TO TRANSIT OPERATIONS.

23. CONTRACTOR SHALL CONTACT SEATTLE DEPARTMENT OF TRANSPORTATION, LANDSCAPE ARCHITECT'S OFFICE AT (206)684-5693 FOR APPROVAL OF STREET TREE SPECIES SUBSTITUTIONS AND THEN INSPECTION OF TREES TWO DAYS PRIOR TO PLANTING.

24. "THE CONTRACTOR SHALL NOTIFY THE SDOT LANDSCAPE ARCHITECT'S OFFICE AT LEAST TWO DAYS BEFORE TREE-PLANTING AT (206) 684-5693."

25. ALL WORK ON STREET LIGHT POLES, CONDUITS AND LUMINAIRES WILL BE PROVIDED BY SEATTLE CITY LIGHT. CONTRACTORS SHALL CONTACT BRAD COMBS AT (206) 615-0655 TO COORDINATE STREET LIGHT CONSTRUCTION AND REMOVAL.

SPECIAL NOTES REQUIRED BY CITY OF SEATTLE:

1. GRADING MUST BE STABILIZED BY OCTOBER 31st, AND NO EXCAVATION TO BE PERFORMED BETWEEN OCTOBER 31st AND APRIL 1st WITHOUT AN APPROVED DRY SEASON GRADING EXTENSION LETTER FROM SDCI.
2. A PRE-CONSTRUCTION MEETING IS REQUIRED BETWEEN OWNER'S REPRESENTATIVES, (GEOTECHNICAL SPECIAL INSPECTOR, GENERAL CONTRACTOR AND EXCAVATION CONTRACTOR) AND SDCI SITE INSPECTOR. CONTACT 206-684-8860 TO ARRANGE MEETING.
3. CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE AND APPROVED BY SDCI PRIOR TO ANY EARTH DISTURBANCE. CALL 206-684-8860 TO SCHEDULE AN INSPECTION APPOINTMENT FOR THIS ITEM.

GENERAL SEWER AND DRAINAGE NOTES:

UNLESS OTHERWISE SPECIFIED:

1. PIPE LESS THAN 12" DIAMETER SHALL BE CONCRETE PER ASTM C14 CLASS 3.
2. PIPE 12" AND 15" DIAMETER SHALL BE CONCRETE PER ASTM C76 CLASS IV.
3. PIPE 18" DIAMETER AND LARGER SHALL BE CONCRETE PER ASTM C76 CLASS III.
4. DUCTILE IRON PIPE SHALL BE PER ANSI A21.51 CLASS 50 WITH PUSH-ON JOINTS. FITTINGS FOR DUCTILE IRON PIPE SHALL BE DUCTILE PER ANSI A21.10 OR ANSI A21.53 WITH PUSH-ON JOINTS. GLANDS ON MECHANICAL JOINT PIPE AND FITTINGS SHALL BE DUCTILE.
5. PVC PIPE AND FITTINGS SHALL BE PER ASTM D3034, SDR35 WITH RUBBER GASKET JOINTS. PVC PIPE FOR PSS AND PSD SHALL BE TESTED FOR EXCESSIVE DEFLECTION WITH A MANDREL PER SECTION 7-17.3(4) OF THE SPECIFICATIONS.
6. SUBSURFACE DRAIN (SSD) PIPE AND FITTINGS SHALL BE PVC PER ASTM D2241 SDR21 (CLASS 200) WITH RUBBER GASKET JOINTS. PIPE SHALL HAVE SLOTTED PERFORATIONS. SLOTS ARE TO BE 0.040" WIDE 1.0" LONG AND SPACED 0.25" APART. SLOT LOCATIONS SHALL BE LOCATED PER DETAIL ON PLAN.
7. CORRUGATED METAL PIPE SHALL BE ALUMINUM PER AASHTO M196 TYPE 6" DIAMETER PIPE SHALL BE 0.060" THICK WITH 1-1/2" X 1/4" CORRUGATIONS.
8. BEDDING SHALL BE CLASS B FOR ALL PIPE EXCEPT DUCTILE IRON PIPE, WHICH SHALL BE CLASS D. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MINERAL AGGREGATE TYPE 22. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MECHANICALLY COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS MEASURED BY ASTM D1557.
9. TEES ON NEW PIPE LESS THAN 24" DIAMETER SHALL BE PREFABRICATED. TEES ON EXISTING PIPE OR ON NEW PIPE WITHOUT PREFABRICATED TEES SHALL BE CONNECTED BY CORE DRILLING AND FLEXIBLE CONNECTION. SEE SPECIFICATIONS.
10. CATCH BASIN CONNECTIONS, INLET CONNECTIONS, AND SERVICE DRAINS SHALL BE 8" DIAMETER PIPE.
11. TEES, CATCH BASIN CONNECTIONS, SIDE SEWERS, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50%. INLET CONNECTIONS SHALL BE PLACED AT A MINIMUM SLOPE OF 5% AND A MAXIMUM SLOPE OF 50%.
12. RECONNECTION OF EXISTING CATCH BASINS SHALL INCLUDE NEW TRAPS, CONNECTION TO STORM DRAINS, AND REMOVAL OF EXISTING TRAPS.
13. SERVICE DRAINS AND SIDE SEWERS SHALL BE CONNECTED OR RECONNECTED AS APPROVED BY THE INSPECTOR.
14. RELAY EXISTING SERVICE DRAINS AND SIDE SEWERS TO CLEAR OVER OR UNDER THE NEW UTILITY AS APPROVED BY THE INSPECTOR.
15. WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN THE UTILITIES.
16. SERVICE DRAINS AND SIDE SEWERS SHALL NOT BE BACKFILLED UNTIL THE PIPE HAS BEEN INSPECTED AND APPROVED AND THE LOCATION AND DEPTH IS RECORDED BY THE INSPECTOR.
17. PIPE 12" DIAMETER AND LARGER TO BE ABANDONED SHALL BE FILLED WITH PORTLAND CEMENT AND SAND MIXTURE. SEE SPECIFICATIONS.
18. SOILS TEST BORING LOCATIONS ARE INDICATED ON THE PLANS. TEST DATA IS INCLUDED IN THE SPECIFICATIONS.
19. THE CONTRACTOR SHALL PROVIDE SUPPORTS FOR POWER POLES NEAR EXCAVATIONS PER SEATTLE CITY LIGHT STANDARDS NO. D3-6.

SEDIMENT NOTE:

NO SEDIMENT SHALL BE TRACKED INTO THE STREET OR ONTO PAVED SURFACES. SEDIMENT SHALL BE REMOVED FROM TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE SITE. IN THE EVENT OF FAILURE OF THE EROSION CONTROL SYSTEM RESULTING IN SEDIMENT BEING TRACKED ONTO PAVED SURFACES, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT MEASURES TO CORRECT THE SITUATION, AND STREET SWEEPING SHALL BE EMPLOYED ON AN EMERGENCY BASIS. IF STREET SWEEPING VEHICLES ARE UTILIZED, THEY SHALL BE OF THE TYPE THAT ACTUALLY REMOVES THE SEDIMENT FROM THE PAVEMENT.

WATER SERVICE NOTES

1. APPLICATION FOR A NEW METERED WATER SERVICE AND ALL FEES PAID, IS REQUIRED 60 TO 90 DAYS BEFORE SERVICE WILL BE AVAILABLE. OWNER WILL NEED WATER AVAILABILITY CERTIFICATE, LEGAL DESCRIPTION OF PROPERTY AND THREE (3) COPIES OF APPROVED STREET IMPROVEMENT PLANS WHEN MAKING APPLICATION.
2. ALL WATER SERVICE PIPING ON PROPERTY MUST BE INSPECTED PRIOR TO BACKFILLING TRENCH.
3. FOR INFORMATION AND INSPECTION, TELEPHONE WATER SERVICE AT 684-5800.

CITY OF SEATTLE WATER NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY THE SEATTLE WATER DEPARTMENT A MINIMUM OF 72 HOURS IN ADVANCE OF ALL REQUESTS FOR STAKING, TESTING, OR INSPECTION.
3. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR APPROVAL WHERE REQUIRED BY THE DETAIL SPECIFICATIONS AND FOR VARIATION FROM THE APPROVED DESIGN. ENGINEER IS TO BE NOTIFIED PRIOR TO ANY FIELD CHANGES.
4. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND SEATTLE WATER DEPARTMENT SPECIFICATIONS.
5. CONTRACTOR TO FURNISH ALL MATERIALS.
6. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING PIPE TYPES AND SIZES FOR COUPLINGS AND CONNECTIONS.
7. DEVELOPER TO PAY FOR CITY INSPECTION AND PERMIT FEES.
8. COORDINATE METER LOCATIONS WITH THE SEATTLE WATER DEPARTMENT.
9. NO CHANGES ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE SEATTLE WATER DEPARTMENT.
10. REFER TO SEATTLE WATER DEPARTMENT SPECIFICATIONS FOR ALL REMAINING NOTES AND DETAILS.
11. UTILITY LOCATIONS AS SHOWN ARE APPROXIMATE PER OFFICE DOCUMENTATION RECEIVED FROM RESPECTIVE TELEPHONE, CABLE TV, GAS AND POWER COMPANIES. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. ENGINEER DOES NOT WARRANT UTILITY LOCATIONS SHOWN ON PLAN.
12. TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 90 PERCENT MAXIMUM DENSITY (ASTM D-1557). ALL IMPORTED FILL MATERIAL SHALL BE BANK RUN GRAVEL, CLASS "B." BACKFILL SHALL BE COMPACTED IN SUCCESSIVE LAYERS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS.
13. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN BACKFILLS. NO ROCK OR OTHER IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED OR PLACED IN FILLS.
14. ALL EXISTING UTILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM A FIELD SURVEY AND FROM AVAILABLE PUBLIC RECORDS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES WHICH MAY CONFLICT WITH CONSTRUCTION, WHETHER ON THESE PLANS OR NOT. ENGINEER DOES NOT WARRANT THAT ALL UTILITIES HAVE BEEN SHOWN.
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TELEPHONE COMPANY, THE GAS COMPANY, THE POWER COMPANY, AND THE CABLE TV COMPANY PRIOR TO CONSTRUCTION SO THAT THESE OTHER UTILITIES CAN PREPARE THE NECESSARY PLANS FOR THE EXTENSION OF THEIR RESPECTIVE UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THESE ACTIVITIES DURING CONSTRUCTION.

SITE WORK NOTES

AS NOTED IN THE WASHINGTON DEPT. OF ECOLOGY'S ADMINISTRATIVE ORDER DOCKET NO. 18101 FOR THIS SITE, AND IN ORDER TO MAINTAIN COMPLIANCE THE CONTRACTOR MUST:

1. INSTALL ALL PRE-TREATMENT AND TREATMENT SYSTEMS PRIOR TO ANY DISCHARGE OF CONTAMINATED DEWATERING WATER OR CONTAMINATED STORMWATER TO THE RECEIVING WATER BODY.
2. CAPTURE, CONTAIN, AND TREAT ALL CONTAMINATED DEWATERING OR CONTAMINATED CONSTRUCTION STORMWATER PRIOR TO DISCHARGE TO THE RECEIVING WATER BODY.
3. USE AN ECOLOGY-APPROVED TREATMENT SYSTEM AND MEDIA FILTRATION TO TREAT ANY CONTAMINATED DEWATERING WATER OR CONTAMINATED STORMWATER. ECOLOGY MUST BE NOTIFIED IN ADVANCE IF ANY CHANGES IN THE TREATMENT ARE MADE, WITH THE EXCEPTION OF ROUTINE MAINTENANCE.
4. ALL CAPTURED SEDIMENT FROM THE TREATMENT OF THE DEWATERING WATER OR CONTAMINATED STORMWATER MUST BE TRANSPORTED TO AN APPROVED DISPOSAL FACILITY BASED ON THE LEVEL OF CONTAMINATION.
5. CONTAMINATED SOILS EXCAVATED DURING CONSTRUCTION WILL BE HAULED OFF-SITE WITHOUT STOCKPILING TO AN APPROVED DISPOSAL FACILITY BASED ON THE LEVEL OF CONTAMINATION. WHEN IT IS NOT FEASIBLE TO HAUL SOILS OFF-SITE, THE SOILS MUST BE COVERED OR PLACED IN A COVERED AREA TO MINIMIZE CONTACT WITH STORMWATER.
6. NO DEWATERING WATER OR STORMWATER MAY BE DISCHARGED BEFORE IT HAS BEEN TESTED FOR THE PARAMETERS LISTED IN TABLE 1 OF ECOLOGY'S ADMINISTRATIVE ORDER.
7. ONCE THE EFFECTIVENESS OF THE TREATMENT SYSTEM HAS BEEN DETERMINED, THE CONTRACTOR MAY REVERT TO A FLOW-THROUGH TREATMENT SYSTEM AFTER THE MINIMUM TWO SAMPLING AND TESTING EVENTS AND UPON WRITTEN APPROVAL FROM ECOLOGY.
8. IF A FLOW-THROUGH TREATMENT SYSTEM IS ADOPTED, ALL DEWATERING WATER OR CONTAMINATED STORMWATER MUST BE SAMPLED WEEKLY WHILE DISCHARGING AND TESTED FOR THE PARAMETERS LISTED IN TABLE 1 OF ECOLOGY'S ADMINISTRATIVE ORDER.
9. WHEN USING FLOW-THROUGH TREATMENT SYSTEM, IF ANY OF THE INDICATOR LEVELS LISTED IN TABLE 1 ARE EXCEEDED, THE CONTRACTOR MUST STOP THE DISCHARGE OF TREATED DEWATERING WATER OR STORMWATER TO THE RECEIVING WATER BODY UNTIL IT HAS BEEN RETESTED TO DETERMINE THAT ALL PARAMETERS ARE EQUAL TO OR BELOW THE INDICATOR LEVELS IN TABLE 1. IF ANY OF THE INDICATOR LEVELS ARE EXCEEDED AFTER BEING RETESTED, THE CONTRACTOR SHALL MODIFY THE EXISTING FLOW-THROUGH TREATMENT SYSTEM TO INCREASE ITS EFFECTIVENESS OR INSTALL AN ECOLOGY-APPROVED TREATMENT SYSTEM OR TRUCK THE CONTAMINATED STORMWATER OR GROUNDWATER OFF-SITE FOR DISPOSAL IN APPROVED MANNER.

NOTE: WASHINGTON DEPT. OF ECOLOGY'S ADMINISTRATIVE ORDER DOCKET NO. 18101 DOES NOT EXEMPT THE CONTRACTOR FROM ANY CONSTRUCTION STORMWATER GENERAL PERMIT REQUIREMENT.

GENERAL NOTES TUKWILA

1. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE.
2. AT LEAST 48 HOURS BEFORE STARTING PROJECT SITE WORK, NOTIFY THE UTILITIES INSPECTOR AT 206-433-0179.
3. REQUEST A PUBLIC WORKS UTILITY INSPECTION AT LEAST 24 HOURS IN ADVANCE BY CALLING 206-433-0179.
4. THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY, AND DAMAGE TO STRUCTURES AND IMPROVEMENTS RESULTING FROM CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR SHALL HAVE THE PERMIT(S) AND CONDITIONS, THE APPROVED PLANS, AND A CURRENT COPY OF CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS AVAILABLE AT THE JOB SITE.
6. ALL WORK SHALL CONFORM TO THESE APPROVED DRAWINGS. ANY CHANGES FROM THE APPROVED PLANS REQUIRE PRE-APPROVAL FROM THE OWNER, THE ENGINEER, AND THE CITY OF TUKWILA.
7. ALL METHODS AND MATERIALS SHALL MEET CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS, UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.
8. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF RECORD DRAWINGS ON-SITE.
9. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS PRIOR TO PROJECT FINAL APPROVAL.
10. PROVIDE TRAFFIC CONTROL AND STREET MAINTENANCE PLAN FOR PUBLIC WORKS APPROVAL BEFORE IMPLEMENTATION.
11. ALL SURVEYING FOR PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON LICENSED LAND SURVEYOR. VERTICAL DATUM SHALL BE NAVD 1988. HORIZONTAL DATUM SHALL BE WASHINGTON STATE (GRID) COORDINATES, NORTH ZONE, USING NAD 83/91 SURVEY CONTROL AND TIED TO ANY TWO CITY OF TUKWILA HORIZONTAL CONTROL MONUMENTS. FOR PROJECTS WITHIN A FLOOD CONTROL ZONE, THE PERMITTEE SHALL PROVIDE CONVERSION CALCULATIONS TO NGVD 1929.
12. REPLACE OR RELOCATE ALL SIGNS DAMAGED OR REMOVED DUE TO CONSTRUCTION.
13. RETAIN, REPLACE OR RESTORE EXISTING VEGETATION IN RIGHTS-OF-WAY, EASEMENTS, AND ACCESS TRACTS.

CONSTRUCTION NOTES TUKWILA

1. ALL WORK PERFORMED SHALL BE PER APPROVED PLANS AND SPECIFICATIONS ONLY. THE PERMITTEE IS REQUIRED TO MAINTAIN A SET OF APPROVED PLANS, SPECIFICATIONS, AND ASSOCIATED PERMITS ON THE JOB SITE. WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS. PERMITTEE SHALL APPLY FOR A REVISION FOR ANY WORK NOT ACCORDING TO THE APPROVED PLANS.
2. PERMITTEE/CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE WITH THE CITY'S INSPECTOR(S) PRIOR TO BEGINNING ANY WORK.
3. WORK IN ROADWAYS
   A. ALL WORK IN ROADWAYS SHALL MEET TMC 11 AND THE FOLLOWING:
   B. PRIOR TO ANY ACTIVITY IN CITY RIGHT-OF-WAY, THE PERMITTEE SHALL PROVIDE THE CITY A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL. THE TRAFFIC CONTROL PLAN SHALL INCLUDE THE LOCATION, ADDRESS AND DESCRIPTION OF TRAFFIC FLOW DURING THE WORK AND SHALL MEET MUTCD REQUIREMENTS.
   C. ALL WORK REQUIRING LANE CLOSURES MUST BE BY PERMIT ONLY. FROM THE THIRD THURSDAY IN NOVEMBER TO THE FOLLOWING JANUARY 2ND, THE DIRECTOR DOES NOT ALLOW LANE CLOSURES IN THE TUKWILA URBAN CENTER.
   D. FIRE, PEDESTRIAN, AND VEHICULAR ACCESS TO BUILDINGS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT WHEN PERMITTEE HAS PERMISSION FROM THE BUILDING OWNER AND THE DIRECTOR TO CLOSE AN ACCESS.
   E. ALL ROADWAYS SHALL BE KEPT FREE OF DIRT AND DEBRIS USING STREET SWEEPERS. USE OF WATER TRUCKS FOR CLEANING ROADWAYS REQUIRES PREAPPROVAL FROM THE DIRECTOR.
   F. INSTALL STEEL PLATES OVER ANY TRENCH, AT ANY TIME WORK IS STOPPED AND THE TRENCH IS LEFT OPEN.

UTILITY NOTES TUKWILA

1. ALL TRENCH EXCAVATION OPERATIONS SHALL MEET OR EXCEED ALL APPLICABLE SHORING LAWS FOR TRENCHES OVER 4-FEET DEEP. ALL TRENCH SAFETY SYSTEMS SHALL MEET WISHA REQUIREMENTS.
2. POWER, CABLE, FIBER OPTICS, AND TELEPHONE LINES SHALL BE IN A TRENCH WITH A 5' MINIMUM HORIZONTAL SEPARATION FROM OTHER UNDERGROUND UTILITIES.
3. ADJUST ALL MANHOLES, CATCH BASINS, AND VALVES IN PUBLIC RIGHTS-OF-WAY OR EASEMENTS AFTER ASPHALT PAVING

STORM DRAINAGE NOTES TUKWILA

1. ALL METHODS AND MATERIALS SHALL MEET CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS, AND THE ADOPTED KING COUNTY SURFACE WATER DESIGN MANUAL, UNLESS OTHERWISE APPROVED.
2. MARK ALL STORM DRAIN INLETS WITH "DUMP NO WASTE" AND EITHER "DRAINS TO STREAMS", "DRAINS TO WETLANDS", OR "DRAINS TO GROUNDWATER", AS APPLICABLE.
3. DRIVEWAY CULVERTS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS THAT MATCH THE SIDE SLOPE.

SOILS

1. THE SITE CLEANUP SHALL CONFORM TO THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY AGREED ORDER NO. DE 16659.
2. THE CONTRACTOR SHALL SUBMIT TO ECOLOGY WRITTEN PROGRESS REPORTS THAT DESCRIBE THE ACTIONS TAKEN DURING THE PREVIOUS REPORTING PERIOD IMPLEMENT THE REQUIREMENTS OF THIS ORDER.
3. THE PROJECT SHALL BE INSPECTED BY THE PROJECT COORDINATOR, FARALLON CONSULTING. THIS WILL BE ECOLOGY'S DESIGNATED REPRESENTATIVE FOR THE SITE.

No.	Date	By	Chkd.	Appr.	Revision
7	07/10/21	JEP	JEP	DKB	ADDED CURB

Title: CONSTRUCTION NOTES AND DETAILS

PROLOGIS EMERALD GATEWAY - KC METRO

For: PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal - Vertical -

Designed JEP | Drawn KNZ | Checked JEP | Approved DKB | Date 07/10/21

JPULLICINO Xref: ----- Scale:1" = 1"

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

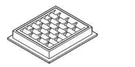
Job Number 18182

Sheet C20 of 28

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF
TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON
RECORD DRAWING

DRAWN BY: CDK-CHYONG



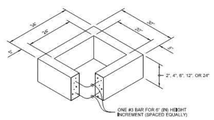
FRAME AND VANED GRATE

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED CP, PCCP, CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ✱ (STD.SPEC. SECT. 9-05.20)	15"
SOLID WALL PVC (STD.SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD.SPEC. SECT. 9-05.12(2))	15"

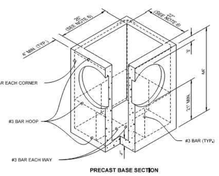
✱ CORRUGATED POLYETHYLENE STORM SEWER PIPE

NOTES

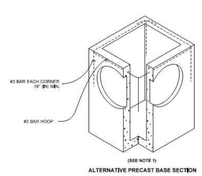
1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, Bars placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE **PRECAST BASE SECTION.** Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with Joint mortar in accordance with **Standard Specification Section 9-04.3.**
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1:24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section.**
7. All pickup holes shall be grouted full after the basin has been placed.



RECTANGULAR ADJUSTMENT SECTION



PRECAST BASE SECTION

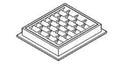


ALTERNATIVE PRECAST BASE SECTION

DS-01

CATCH BASIN TYPE 1
STANDARD PLAN B-5.20-02
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Washington State Department of Transportation

DRAWN BY: CDK-CHYONG



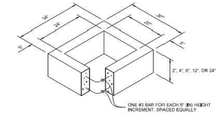
FRAME AND VANED GRATE

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED CP, PCCP, CONCRETE	18"
ALL METAL PIPE	21"
CPSSP ✱ (STD.SPEC. SECT. 9-05.20)	18"
SOLID WALL PVC (STD.SPEC. SECT. 9-05.12(1))	21"
PROFILE WALL PVC (STD.SPEC. SECT. 9-05.12(2))	21"

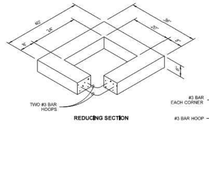
✱ CORRUGATED POLYETHYLENE STORM SEWER PIPE

NOTES

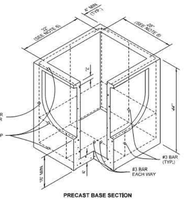
1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, Bars placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot, shall be used with the minimum required rebar shown in the ALTERNATIVE **PRECAST BASE SECTION.** Wire mesh shall not be placed in the knockouts.
2. The knockout shall not be greater than 26" (in), in any direction. Knockouts shall have a wall thickness of 2" (in) minimum to 2.2" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with Joint mortar in accordance with **Standard Specification Section 9-04.3.**
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1:24 or steeper.
6. The opening shall be measured at the top of the Precast Base Section.
7. All pickup holes shall be grouted full after the basin has been placed.



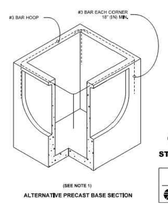
RECTANGULAR ADJUSTMENT SECTION



REDUCING SECTION



PRECAST BASE SECTION

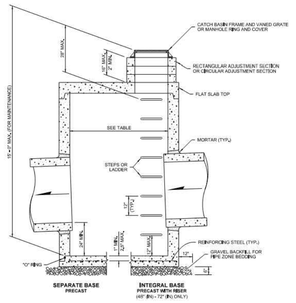


ALTERNATIVE PRECAST BASE SECTION

DS-02

CATCH BASIN TYPE 1L
STANDARD PLAN B-5.40-02
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Washington State Department of Transportation

DRAWN BY: TERRI JEWELL



NOTES

1. No steps are required when height is 4' or less.
2. The bottom of the precast catch basin may be sloped to facilitate cleaning.
3. The rectangular frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.
4. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with Joint mortar in accordance with **Standard Specification Section 9-04.3.**

CATCH BASIN DIMENSIONS

CATCH BASIN DIAMETER	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"
120"	10"	12"	96"	12"
144"	12"	12"	108"	12"

PIPE ALLOWANCES

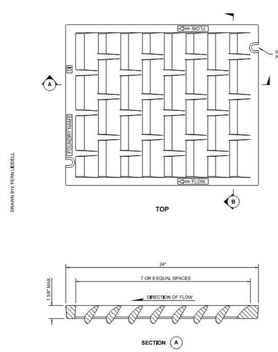
CATCH BASIN DIAMETER	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER: CONCRETE	ALL METAL	CPSSP (1) PP (2)	SOLID WALL PVC (3)	PROFILE WALL PVC (3)
48"	24"	30"	24"		30"
54"	30"	36"	30"	36"	36"
60"	36"	42"	36"	42"	42"
72"	42"	54"	42"	48"	48"
84"	54"	60"	54"	48"	48"
96"	60"	72"	60"	48"	48"
120"	66"	84"	60"	48"	48"
144"	78"	96"	60"	48"	48"

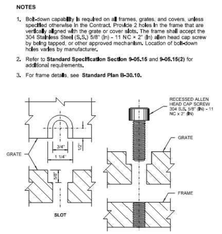
① Corrugated Polyethylene Storm Sewer Pipe (See **Standard Specification Section 9-05.20**)
② (See **Standard Specification Section 9-05.12(1)**)
③ (See **Standard Specification Section 9-05.12(2)**)
④ Polypropylene Pipe (See **Standard Specification Section 9-05.24**)

DS-03

CATCH BASIN TYPE 2
STANDARD PLAN B-10.20-02
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Washington State Department of Transportation

DRAWN BY: TERRI JEWELL





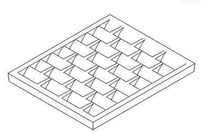
BOLT-DOWN DETAILS SEE NOTE 1

NOTES

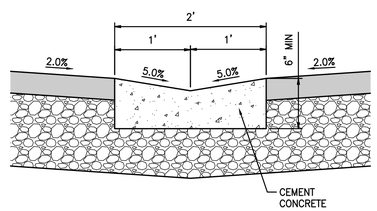
1. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC x 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
2. Refer to **Standard Specification Section 9-05.15** and **9-05.15(2)** for additional requirements.
3. For frame details, see **Standard Plan B-30.10.**

DS-11

RECTANGULAR VANED GRATE
STANDARD PLAN B-30.30-03
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Washington State Department of Transportation



ISOMETRIC



VALLEY GUTTER DETAIL

NTS

No.	Date	By	Chkd.	Appr.	Revision
7	07/10/21	JEP	DKB		ADDED CURB

Title: CONSTRUCTION NOTES AND DETAILS

PROLOGIS EMERALD GATEWAY - KC METRO

For: PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal 1" = 1' — Vertical 1" = 1'

Designed JEP — Drawn KNZ — Checked JEP — Approved DKB — Date 07/10/21

JPULLIONO Xref: ----

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

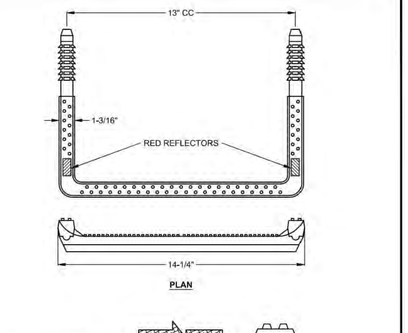
Job Number 18182

Sheet C21 of 28

File:P:\18000s\18182\cadsuite\KC Metro\18182-D-KC Metro.dwg Date/time:7/9/2022 1:01 PM

CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - KC METRO
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY, WASHINGTON

RECORD DRAWINGS

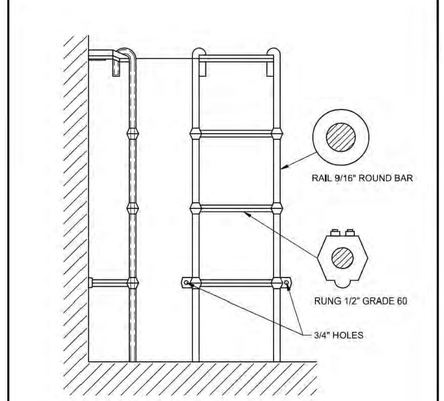


NOTES:
1. LANE P-14938 OR APPROVED EQUAL.

NOT TO SCALE

City of Tukwila

MANHOLE	
POLYPROPYLENE SAFETY STEP	
SHEET:	DS-17
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



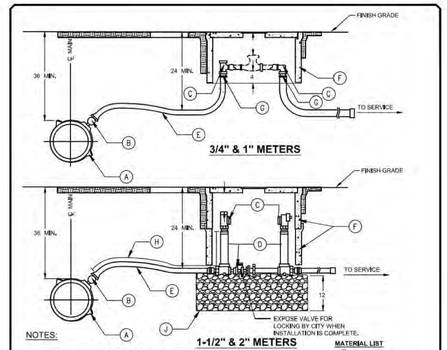
POLYPROPYLENE HANGING LADDER

NOTES:
1. LANE POLYPROPYLENE LADDER
2. POLYPROPYLENE ASTM D4101
3. 1/2" GRADE 60 REINFORCING BAR A615
4. 9/16" COLD DRAWN BAR C1018
5. 3/8" DIA. BOLT 316-SS, 3-1/2" LONG
6. 316-SS TYP AT LADDER MOUNTS
7. REFER TO SS-13 FOR STEP DETAIL

NOT TO SCALE

City of Tukwila

MANHOLE	
LADDER	
SHEET:	DS-18
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



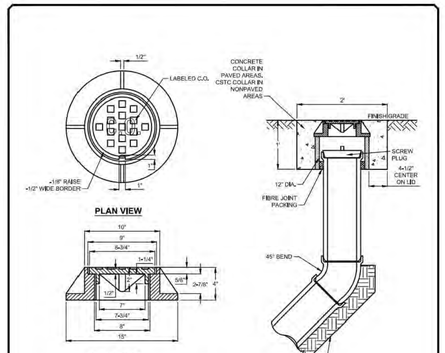
NOTES:
1. FOR PARTS LIST REFER TO CHAPTER 7.1 - TUKWILA INFRASTRUCTURE DESIGN AND CONSTRUCTION STANDARDS.
2. SERVICE LINE SHALL BE PERPENDICULAR TO THE WATERMAIN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. ENGINEER SHALL PROVIDE PRESSURE AND FLOW CALCULATIONS WHEN A SINGLE METER IS SERVING BOTH DOMESTIC SERVICE AND A FIRE SUPPRESSION SYSTEM.
4. NO METER BOXES IN SIDEWALKS AND DRIVEWAYS WHERE POSSIBLE. WHERE METERS CANNOT BE PROTECTED FROM TRAFFIC, A TRAFFIC RATED ENCLOSURE IS REQUIRED. METER BOXES IN PEDESTRIAN PATHS WITHIN THE RIGHT OF WAY ARE REQUIRED TO HAVE AN ADA COMPLIANT LID.
5. METER BOX AND SETTER (IF APPLICABLE) SHALL BE SUPPLIED BY PERMITTEE.
6. METER SUPPLIED AND INSTALLED BY CITY OF TUKWILA UPON APPROVED PERMIT AND FINAL SERVICE INSPECTION.
7. POSITION SERVICE PIPING TO CENTER METER BELOW INSPECTION LID AND PROVIDE ADEQUATE CLEARANCE BETWEEN SERVICE PIPING AND METER BOX TO ALLOW REPLACEMENT, TESTING, AND BYPASS OF METER.
8. BRASS FITTINGS SHALL BE LEAD FREE.
. THE LID OF A METER BOX INSTALLED IN A PEDESTRIAN PATH SHALL HAVE A SKID RESISTANT LID PER ADA REQUIREMENTS.

MATERIAL LIST
- (A) TAPPING SADDLE
- (B) CORPORATION STOP
- (C) ANGLE STOP OR TAIL PIECE
- (D) METER SETTER, SEE WS-02.
- (E) SERVICE PIPE
- (F) METER BOX
- (G) COMPRESSION FITTINGS OR COUPLINGS AS REQUIRED
- (H) TRACER TAPE OR WIRE FOR POLYETHYLENE PIPE (IS USED)
- (J) GRAVEL BACKFILL FOR DRAINS PER WSDOT 4-03.12(4).

NOT TO SCALE

City of Tukwila

METER	
3/4", 1", 1-1/2", & 2"	
SHEET:	WS-01
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

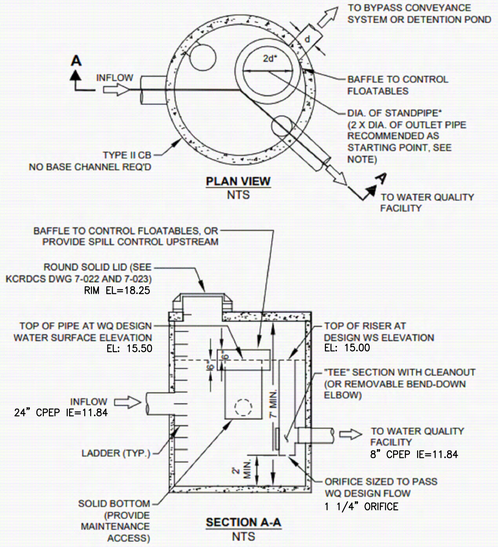


NOT TO SCALE

City of Tukwila

SANITARY SIDE SEWER	
CLEAN-OUT	
SHEET:	SS-03
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

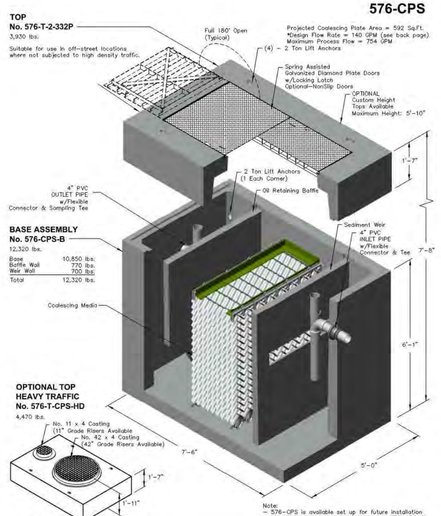
FIGURE 6.2.5.B FLOW SPLITTER, OPTION B



CB#1 TYPE II-108" CONTROL STRUCTURE

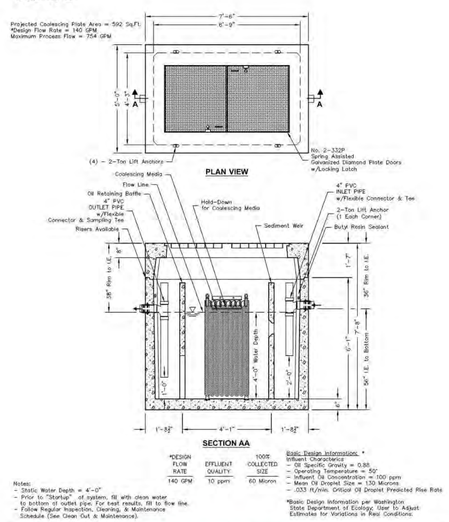
NOT TO SCALE

5



Oldcastle Precast®	576-CPS	576-CPS OIL / WATER SEPARATOR COALESCING - 140 GPM
PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657	File Name: 020ECO576CPS1 Issue Date: 2018 oldcastleprecast.com/wilsonville	

7.0



Oldcastle Precast®	576-CPS	576-CPS OIL / WATER SEPARATOR COALESCING - 140 GPM
PO Box 323, Wilsonville, Oregon 97070-0323 Tel: (503) 682-2844 Fax: (503) 682-2657	File Name: 020-576CPS Issue Date: 2018 oldcastleprecast.com/wilsonville	

7.1

No.	Date	By	Chkd.	Appr.	Revision
7	07/10/21	JEP	JEP	DKB	ADDED CURB

Title: CONSTRUCTION NOTES AND DETAILS

PROLOGIS EMERALD GATEWAY - KC METRO

For: PROLOGIS, INC.
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
07/10/2021

Scale: Horizontal – Vertical –

Designed JEP Drawn KNZ Checked JEP Approved DKB Date 07/10/21

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C22 of 28

File:P:\18000s\18182\stbuilt\KC Metro\18182-D-KC Metro.dwg Date/time:3/9/2022 1:01 PM Scale:1" = 1" JPULLICINO Xref: ~~~~

811 Know what's **below.** **Call** before you dig.

NEW PARCEL ADDRESSES:

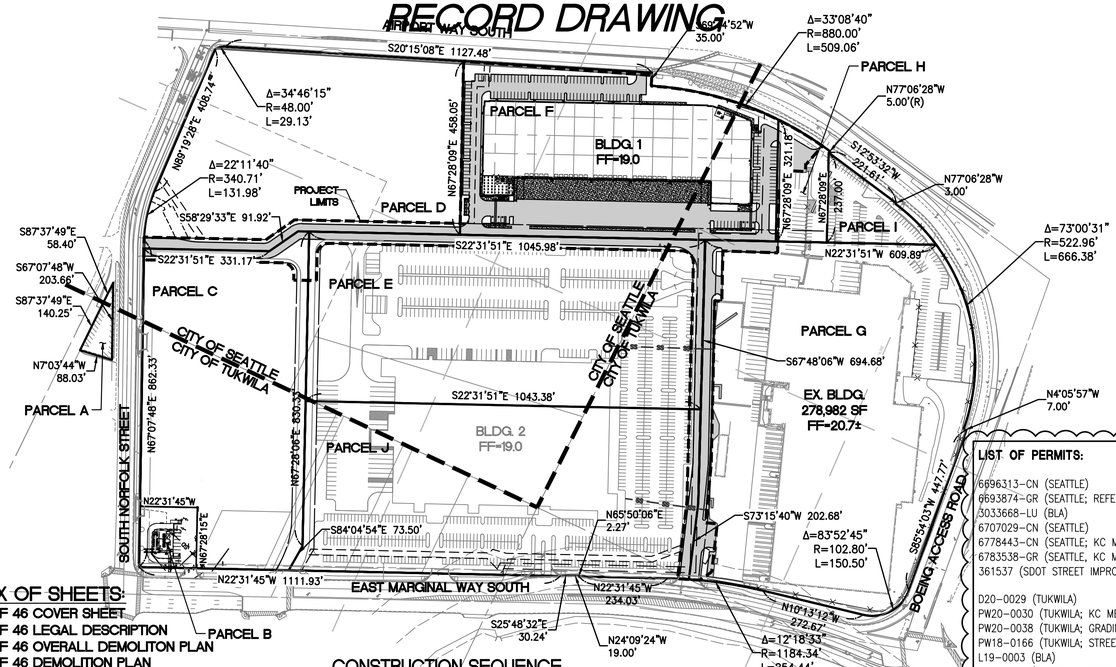
PARCEL A	3300 S. NORFOLK ST.
PARCEL B	10100 E. MARGINAL WAY S
PARCEL C	3201 S. NORFOLK ST.
PARCEL D	3401 S. NORFOLK ST.
PARCEL E	10400 E. MARGINAL WAY S
PARCEL F	10450 E. MARGINAL WAY S
PARCEL G	10650 E. MARGINAL WAY S
PARCEL H	10601 AIRPORT WAY S
PARCEL I	10651 AIRPORT WAY S
PARCEL J	10300 E. MARGINAL WAY S

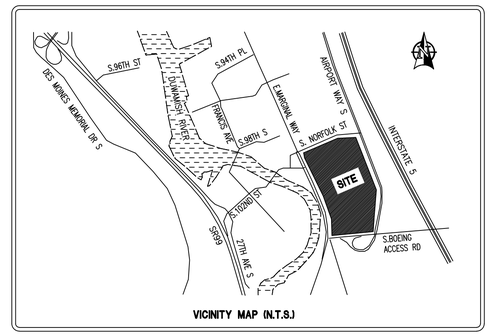
0 100 200 400

COVER SHEET
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING





VICINITY MAP (N.T.S.)

GENERAL SITE NOTES:

1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
2. CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC., TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
6. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MIN. ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
8. THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS INC..
13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

LEGEND:

SURVEY MONUMENT	PROPOSED TYPE II CATCH BASIN
EX. POWER VAULT	PROPOSED TYPE I CATCH BASIN
EX. LUMINAIRE (LUM.)	PROPOSED STORM DRAIN FLOW ARROW
EX. LOT LIGHT	PROPOSED STORM DRAINAGE LINE
EX. POWER POLE	PROPOSED TRENCH DRAIN
EX. JUNCTION BOX	PROPOSED SANITARY SEWER LINE
EX. CATCH BASIN (CB)	PROPOSED SANITARY SEWER CLEANOUT
EX. CATCH BASIN (CB) TYPE 2	PROPOSED SANITARY SEWER MANHOLE
EX. SANITARY SEWER MANHOLE (SSMH)	PROPOSED WATERMAIN (W)
EX. GAS METER	PROPOSED FIRE HYDRANT
EX. GAS VALVE	PROPOSED WATER VALVE
EX. WATER VALVE (WV)	PROPOSED CONCRETE BLOCKING
EX. FIRE HYDRANT (FH)	PROPOSED 90° BEND
MAIL BOX	PROPOSED SPOT ELEVATIONS (P(UG) 23.20)
EX. WATER METER	EXISTING SPOT ELEVATIONS (+100.0)
EX. SIGN	PROPOSED CONTOURS (100)
EX. WATER LINE (-W- -W-)	EXISTING CONTOURS (100)
EX. SANITARY SEWER LINE (SS)	PROPOSED HEAVY DUTY ASPHALT PAVEMENT
EX. STORM DRAINAGE LINE (SD)	PROPOSED LIGHT DUTY ASPHALT PAVEMENT
EX. POWER UNDERGROUND (P(UG))	PROPOSED CONCRETE
EX. POWER OVERHEAD (P(OH))	
EX. METAL FENCE (***)	
EX. WOOD FENCE (//)	

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CONSTRUCTION SEQUENCE

1. SCHEDULE AND ATTEND PRE-CONSTRUCTION MEETING WITH CITY OF SEATTLE AND CITY OF TUKWILA OFFICIALS.
2. FLAG ALL CLEARING AND GRADING LIMITS FOR PROJECT AS SHOWN ON THE APPROVED GRADE AND FILL PLANS. MARK ALL CLEARING LIMITS, SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED.
3. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE.
4. CONSTRUCT TEMPORARY SEDIMENT PONDS AS SHOWN ON APPROVED GRADE AND FILL PLANS.
5. INSTALL FILTER FABRIC AND ROCK LINED INTERCEPTOR DITCHES AS SHOWN ON APPROVED GRADE AND FILL PLANS.
6. INSTALL CONSTRUCTION SAFETY FENCE AROUND PERIMETER OF PROJECT.
7. PROTECT ALL RIGHT OF WAYS ADJACENT TO THE PROJECT FROM SEDIMENT DEPOSITION.
8. WHEREVER CONSTRUCTION VEHICLES ACCESS ROUTE CROSSES PAVED ROADS, CARE MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD. IF SEDIMENT IS TRANSPORTED ONTO PAVED SURFACE, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY.
9. CONTRACTOR TO OBTAIN A KING COUNTY METRO SEWER DISCHARGE PERMIT.
10. ALL DEWATERING DISCHARGE DEVICES USED DURING CONSTRUCTION SHALL DISCHARGE INTO THE TEMPORARY SEDIMENT PONDS AND/OR THE KING COUNTY METRO SEWER SYSTEM.
11. ALL DISTURBED AREAS WHICH HAVE BEEN EFFECTED BY GRADING OPERATION SHALL BE HYDROSEEDDED UPON COMPLETION OF GRADING ACTIVITIES AND IN ACCORDANCE WITH GRADING AND TEMPORARY EROSION AND SEDIMENTATION CONTROL NOTES. FROM OCTOBER 1 THROUGH APRIL 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS, AND FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. REFER TO SWPPP FOR SOILS STABILIZATION CRITERIA.
12. IN THE EVENT OF ANY SEDIMENT TRANSPORT TO PUBLIC ROADS, A WHEEL WASHING PROCEDURE SHALL BE IMPLEMENTED TO CLEAN ALL SEDIMENT FROM CONSTRUCTION VEHICLES.
13. ALL RUNOFF FROM WHEEL WASH PROCEDURE MUST BE DIRECTED TO INTERCEPTOR DITCHES AND CONVEYED TO SEDIMENT TRAP.
14. THE WATER CONNECTION ON THE SOUTH END OF EAST MARGINAL WAY SHALL BE INSTALLED AND IN OPERATION BEFORE THE EXISTING WATER SYSTEM IN REMOVED/ABANDON IN ORDER TO SERVE THE EXISTING FREEZER COOLER BUILDING.
15. TEMPORARY PROVISIONS SHALL BE MADE FOR THE EXISTING STORMWATER SYSTEM AROUND THE EXISTING FREEZER COOLER BUILDING AND THE CITY OF SEATTLE STORM POND DISCHARGE LINE ALONG AIRPORT WAY SOUTH UNTIL THE NEW STORM SYSTEM CAN BE INSTALLED.
16. MAINTAIN T.E.S.C. FACILITIES UNTIL ALL RISK OF EROSION/SEDIMENTATION HAS PASSED AND PERMANENT STORM DRAINAGE SYSTEM IS INSTALLED AND FUNCTIONAL. DO NOT CONVEY SEDIMENT-LADEN WATER INTO STORM DRAINAGE SYSTEM. TEMPORARY EROSION & SEDIMENTATION CONTROL FACILITIES TO BE REMOVED ONLY UPON FINAL SITE STABILIZATION & APPROVAL FROM CITY OFFICIALS.
17. INSTALL SEWER LINES, STORM LINES AND WATER LINES TO THE SITE. THEN GRADE TI FINAL GRADE.
18. INSTALL ALL STRUCTURAL SOILS. SHEET SHEET C42.
19. INSTALL PAVEMENT, CURB AND CONCRETE SIDEWALKS FOR THE SITE.
20. ONCE SITE IS COMPLETED THEN ALL SEDIMENT SHALL BE REMOVED FROM SITE.
21. COMPLETE INSPECTION/PUNCHLIST.

LIST OF PERMITS:

6696313-CN (SEATTLE)
6693874-GR (SEATTLE; REFERENCE ONLY)
3033668-LU (BLA)
6707029-CN (SEATTLE)
6778443-CN (SEATTLE; KC METRO SITE)
6783538-GR (SEATTLE, KC METRO SITE GRADING)
361537 (SDOT STREET IMPROVEMENTS)

D20-0029 (TUKWILA)
PW20-0030 (TUKWILA; KC METRO SITE)
PW20-0038 (TUKWILA; GRADING)
PW18-0166 (TUKWILA; STREET IMPROVEMENTS)
L19-0003 (BLA)
L20-0031 (SHORELINE TREE REMOVAL)
L20-0032 (NON-SHORELINE TREE REMOVAL)

SOILS REPORT NOTES:

1. THE FOLLOWING SOILS REPORT FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:

   SOILS REPORT: REPORT OF GEOTECHNICAL ENGINEERING SERVICES
   JOB NUMBER: 3626-062-00
   DATE: JULY 28, 2017

   PREPARED BY: GEOENGINEERS, INC.
   17425 NE UNION HILL RD, SUITE 250
   REDMOND, WA 98052
   (425) 862-6098

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB, AND PAVING CONSTRUCTION.
3. ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR DETERMINATION.
4. A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO HIS/HER SATISFACTION.
5. THE SOILS ENGINEER SHOULD BE NOTIFIED AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY SITE CLEARING OR GRADING.

POST CONSTRUCTION COMPOST CALCULATION WORKSHEET:

[SEE DEFINITIONS BELOW]

1.	TOTAL SITE AREA (LOT SIZE)	492,602 SF
2.	IMPERVIOUS AREA (Ai)	435,202 SF
3.	NON DISTURBANCE AREA (ND)	0 SF
4.	OTHER AREA (O)	0 SF
5.	ADD ITEMS 2-4	435,202 SF
6.	SUBTRACT LINE 5 FROM LINE 1 [THIS EQUALS THE DISTURBED AREA (D)]	57,400 SF
7.	MULTIPLY LINE 6 BY 0.0062 [THIS IS THE MINIMUM COMPOST REQUIREMENT]	356 CY

NOTE: RECEIPT FOR THE REQUIRED COMPOST IMPORT MUST BE SHOWN TO THE DPD SITE INSPECTOR AT THE SITE FINAL INSPECTION.

NOTE:

1. TESC PLANS ARE PROVIDED FOR REFERENCE ONLY – SEE GRADING PERMIT #6693874-GR.

NOTE:

ALL PARCEL NAMING PER CITY OF SEATTLE LOT BOUNDARY ADJUSTMENT 3033668-LU.

ESTIMATED EARTHWORK QUANTITIES:

CUT:	15,000	CY
FILL:	14,000	CY
TOTAL:	1,000	CY CUT

LOT COVERAGE SUMMARY

BUILDING:	3.41 AC	(30.1%)
ASPHALT/CONCRETE:	6.58 AC	(58.2%)
LANDSCAPE:	1.32 AC	(11.7%)
TOTAL:	11.31 AC	(100%)

UTILITY SOURCE NOTE:

UTILITY INFORMATION SHOWN ON THESE PLANS ARE DRAWN BY THE SURVEY DEPARTMENT FROM BARGHAUSEN CONSULTING ENGINEERS, SEWER CARDS, EXISTING PLANS, AND BASE MAPS FROM CITY PLAN VAULT.

UTILITY CONFLICT NOTE:

CAUTION:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY, PURSUANT TO WAC 332-120. APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (206) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
PUBLIC LAND SURVEY OFFICE
1111 WASHINGTON STREET S.E.
P.O. BOX 47060
OLYMPIA, WASHINGTON 98504-7060

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

ENGINEER
BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVE S
KENT, WA 98032
PH: (425) 251-6222
CONTACT: DAN BALMELLI, P.E.
EMAIL: DBALMELLI@BARGHAUSEN.COM

DEVELOPER/OWNER
PROLOGIS
12720 GATEWAY DR, SUITE 110
TUKWILA, WA 98168
PH: (510) 661-4027
CONTACT: KEN SUN
EMAIL: KSUN@PROLOGIS.COM

ARCHITECT
HPA ARCHITECTURE
18831 BARDEEN AVE, SUITE 100
IRVINE, CA 92612
PH: (949) 863-1770
CONTACT: STEVE HONG

SURVEYOR
BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVE S
KENT, WA 98032
PH: (425) 251-6222
CONTACT: BRIAN GILLOOLY, P.L.S.
EMAIL: BGILLOOLY@BARGHAUSEN.COM

STRUCTURAL
BTI
2564 W WOODLAND DRIVE
ANAHEIM, CA 92801
PH: (714) 522-0911
CONTACT: RAFEEK BUSHRA

PLUMBING
SYSTEM DESIGN CONSULTANTS
333 SE 2ND AVE, SUITE 100
PORTLAND, OR 97214
PH: (503) 248-0227
CONTACT: JOHN ROGERS

MECHANICAL
SYSTEM DESIGN CONSULTANTS
333 SE 2ND AVE, SUITE 100
PORTLAND, OR 97214
PH: (503) 248-0227
CONTACT: JOHN ROGERS

LANDSCAPE
WBLA
16630 30TH DR SE
BOTHELL, WA 9812
PH: (425) 417-4609
CONTACT: WILLIAM BROWN

SOILS
GEOENGINEERS INC.
17425 NE UNION HILL RD, SUITE 250
REDMOND, WA 98052
PH: (425) 862-6098
CONTACT: KING H CHIN

FIRE
TBD

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: COVER SHEET FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=200' Vertical -
Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182 Sheet C1 of 46

P:\18000s\18182\cbsuit\Phase 1 Civil\18182-G-PH1.dwg 1/4/2022 6:02 PM JPULLICINO

LEGAL DESCRIPTION
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

SURVEY INFORMATION:

BASIS OF BEARING – NAD83/91
BASIS OF BEARING FOR THIS SURVEY IS NAD83/11 PER WSDOT. WSDOT CONTROL POINT NO. HC17 WAS HELD FOR POSITION AND A LINE BETWEEN SAID CONTROL POINT NO. HC17 AND CONTROL POINT NO. GP17099–222 WAS HELD FOR ROTATION, BEING NORTH 62°07'05" WEST.
VERTICAL DATUM: NAVD88
VERTICAL DATUM FOR THIS PROJECT IS NAVD88 PER WSDOT. WSDOT CONTROL POINT NO. HC17 WAS HELD FOR ELEVATION, BEING 51.191' (ANVD88).
ASSESSOR'S PARCEL NUMBER(S) AND SITE ADDRESS(ES):
0323049024 3301 S NORFOLK ST 98168
0003400042 3301 S NORFOLK ST 98168
0003400049 3301 S NORFOLK ST 98168
0003400015 3301 S NORFOLK ST 98168
0003400046 3301 S NORFOLK ST 98168
0003400041 3301 S NORFOLK ST 98168
0003400024 3301 S NORFOLK ST 98168
0423049184 10200 EAST MARGINAL WAY S 98168
0423049101 3301 S NORFOLK ST 98168
0323049062 10230 EAST MARGINAL WAY S 98168
0423049102 10230 EAST MARGINAL LLC
0423049015 10230 EAST MARGINAL LLC
0423049099 3301 S NORFOLK ST 98168
0323049048 3301 S NORFOLK ST 98168
0423049066 3301 S NORFOLK ST 98168
0323049128 3301 S NORFOLK ST 98168
0323049080 3301 S NORFOLK ST 98168
0323049171 3301 S NORFOLK ST 98168
0323049045 3301 S NORFOLK ST 98168
0323049072 N/A
0323049070 3301 S NORFOLK ST
0323049073 3301 S NORFOLK ST 98168
0323049028 3301 S NORFOLK ST 98168
0323049240 3301 S NORFOLK ST 98168
0323049228 3301 S NORFOLK ST 98168
0323049061 3301 S NORFOLK ST 98168
0323049229 3301 S NORFOLK ST 98168
0323049230 3301 S NORFOLK ST 98168
0323049058 3301 S NORFOLK ST 98168
GROSS LOT AREA:
GROSS LOT AREA = 2,731,705± S.F. (62.711± ACRES)
NARRATIVE:
THIS IS A FIELD TRAVERSE SURVEY. A "TOPCON GT–1000" ROBOTIC TOTAL STATION WITH A "TOPCON RC–5" DATA COLLECTOR, A "TOPCON PS" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE, A "SOKKIA SK" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE, AND A "TOPCON PS" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE WERE USED TO MEASURE THE ANGULAR AND DISTANCE RELATIONSHIPS BETWEEN THE CONTROLLING MONUMENTATION AS SHOWN. CLOSURE RATIOS OF THE TRAVERSE MET OR EXCEEDED THOSE SPECIFIED IN WAC 332–130–090. ALL INSTRUMENTS AND EQUIPMENT HAVE BEEN MAINTAINED IN ADJUSTMENT ACCORDING TO MANUFACTURERS' SPECIFICATIONS.

FLOOD ZONE:
SITE LIES WITHIN "FLOOD ZONE X – UNSHADED" PER FEMA FIRM MAP PANEL 645 OF 1725, MAP NUMBER 53033C0645F, AND MAP REVISED MAY 16, 1995.
"FLOOD ZONE X – UNSHADED" ARE AREAS DETERMINED TO BE OUTSIDE 500–YEAR FLOODPLAIN.
SURVEYOR'S NOTES:
1. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
2. SITE ABUTS "S. NORFOLK ST.", "E. MARGINAL WAY S.", "AIRPORT WAY S.", AND "S. BOEING ACCESS RD.". ALL THESE ROADS ARE PUBLIC RIGHT–OF–WAYS. THE SITE HAS ACCESS TO ALL OF THESE ROADS.
3. THERE WAS NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK, PER THE DATE OF THE FIELD SURVEY.
4. THERE IS NO KNOWLEDGE OF ANY PROPOSED CHANGES IN STREET RIGHT–OF–WAY LINES, AND THERE IS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION.
5. THERE IS NO EVIDENCE OF ANY WETLAND MARKERS FROM A FIELD DELINEATION OF WETLANDS BY A QUALIFIED SPECIALIST.
6. UNDERGROUND PIPE CONNECTIONS, AND ANY UNDERGROUND "TEE"S ARE PER FIELD OBSERVATIONS, UTILITY MARKINGS, AND BEST AVAILABLE PUBLIC MAPS. THE LOCATION OF PIPES SHOWN HEREON SHALL BE VERIFIED AT THE TIME OF ANY CONSTRUCTION.

REFERENCE SURVEYS:
1. BOEING FIELD RECORD OF SURVEY, REC. NO. 20080422900001
2. UNRECORDED SURVEY BY DAVID EVANS AND ASSOCIATES, DATED JANUARY 9, 2007
3. UNRECORDED SURVEY BY DUFFY, LAWVER & KUMPF, INC., ENGINEERS, DATED OCTOBER 17, 1972
DATES OF SURVEY:
FIELD SURVEY BY BARGHAUSEN CONSULTING ENGINEERS, INC. CONDUCTED IN SEPTEMBER 2016. ALL MONUMENTS SHOWN AS FOUND WERE VISITED AT THAT TIME.
STRIPED PARKING:
(813) PARKING STALLS
(2) PARALLEL PARKING STALLS
(3) HANDICAPPED STALLS

(816) TOTAL PARKING STALLS
ZONING:
(PER "PZR REPORT" ZONING REPORT DRAFT DATED 10/24/2016)

ZONING DESIGNATION:
PORTION OF SITE WITHIN CITY OF SEATTLE:
"IC–85" INDUSTRIAL COMMERCIAL DISTRICT WITH A MAXIMUM HEIGHT LIMIT OF 85 FEET & VERY SMALL PORTION WITHIN "IG2 U/85" INDUSTRIAL GENERAL 2 UNLIMITED WITH AN UNLIMITED HEIGHT LIMIT FOR GENERAL INDUSTRIAL USES AND MAXIMUM HEIGHT OF 85 FEET FOR UNRELATED RETAIL / COMMERCIAL USES AND WITHIN AN INNER TRANSITIONAL SURFACE AND INNER APPROACH SURFACE AIRPORT HEIGHT OVERLAY, LIQUEFACTION ZONE AND GREATER DUWAMISH MANUFACTURING INDUSTRIAL OVERLAY
PORTION OF SITE WITHIN CITY OF TUKWILA:
"LI" LIGHT INDUSTRIAL DISTRICT
SETBACKS:
PORTION OF SITE WITHIN CITY OF SEATTLE:
FRONT/SIDE/REAR: NOT APPLICABLE; SITE IS NOT ABUTTING ANY RESIDENTIAL DISTRICTS
PORTION OF SITE WITHIN CITY OF TUKWILA:
FRONT:(S. NORFOLK STREET) 25 FEET WITH 12.5 FEET LANDSCAPED
SECOND FRONT: (E.MARGINAL WAY) 12.5 FEET WITH 12.5 FEET LANDSCAPED
(AIRPORT WAY SOUTH)
(S. BOEING ACCESS RD.)
INTERIOR SIDE & REAR: NOT APPLICABLE
BUILDING SIZE:
PORTION OF SITE WITHIN CITY OF SEATTLE:
BUILDING HEIGHT: 85'
BUILDING SITE AREA REQUIREMENTS: NONE SPECIFIED FOR THE USE
PORTION OF SITE WITHIN CITY OF TUKWILA:
BUILDING HEIGHT: 45' (4 STORIES)
BUILDING SITE AREA REQUIREMENTS: NONE SPECIFIED
DENSITY:
PORTION OF SITE WITHIN CITY OF SEATTLE:
MAXIMUM BASE FLOOR AREA RATIO: 2.5
PORTION OF SITE WITHIN CITY OF TUKWILA: NONE SPECIFIED
PARKING:
PORTION OF SITE WITHIN CITY OF SEATTLE:
MANUFACTURING/STORAGE (WAREHOUSE): 1 SPACE PER 2000 S.F. (308 SPACES)
OFFICE: 1 SPACE PER 1000 S.F. (71 SPACES)
PORTION OF SITE WITHIN CITY OF TUKWILA:
WAREHOUSING: 1 SPACE PER 2000 S.F. (138 SPACES)
PARKING SPACES REQUIRED: 517 TOTAL PARKING SPACES

LEGAL DESCRIPTION:

(PER FIDELITY NATIONAL TITLE INSURANCE COMPANY COMMITMENT NO. 20373268–416–416 DATED SEPTEMBER 28, 2016 AT 8:00 A.M.)

PARCEL A:
THAT PORTION OF TIMOTHY GROWS DONATION LAND CLAIM IN SECTIONS 3 AND 4, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., AND OF GOVERNMENT LOT 1 IN SAID SECTION 3, AND OF THE ABANDONED SEATTLE–TACOMA INTERURBAN AND PUGET ELECTRIC COMPANY RIGHT–OF–WAY, AND OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 3, AND OF GOVERNMENT LOTS 8 AND 9 IN SAID SECTION 4, DESCRIBED AS FOLLOWS:
BEGINNING AT THE CONCRETE MONUMENT MARKING THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH, WHICH POINT BEARS NORTH 88°11'57" EAST 521.23 FEET FROM THE CONCRETE MONUMENT MARKING THE ANGLE POINT IN THE CENTERLINE OF SAID SOUTH NORFOLK STREET;
THENCE SOUTH 88°11'57" WEST, ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, 37.33 FEET;
THENCE SOUTH 01°48'03" EAST 40.00 FEET TO THE INTERSECTION OF THE SOUTHERLY MARGIN OF SAID SOUTH NORFOLK STREET WITH AN ARC OF A CURVE CONNECTING SAID SOUTHERLY MARGIN WITH THE WESTERLY MARGIN OF AIRPORT WAY SOUTH, THE CENTER OF WHICH CURVE BEARS SOUTH 33°51'08" WEST, 48.00 FEET, AND THE TRUE POINT OF BEGINNING;

THENCE SOUTHERLY, ALONG SAID WESTERLY MARGIN OF AIRPORT WAY SOUTH, FOLLOWING SAID ARC OF A CURVE HAVING A RADIUS OF 48.00 FEET, AN ARC DISTANCE OF 29.1 FEET TO A POINT OF TANGENCY;
THENCE SOUTH 21°22'39" EAST, ALONG SAID WESTERLY MARGIN, 1,128.01 FEET TO A POINT OF WIDENING IN SAID AIRPORT WAY SOUTH;
THENCE SOUTH 68°37'21" WEST, ALONG SAID MARGIN, 35.00 FEET TO A POINT OF CURVE IN SAID MARGIN THE CENTER OF WHICH BEARS SOUTH 68°37'21" WEST 880.00 FEET;
THENCE SOUTHERLY, ALONG SAID MARGIN, FOLLOWING AN ARC OF A CURVE HAVING SAID RADIUS OF 880.00 FEET, AN ARC DISTANCE OF 509.06 FEET TO A POINT OF WIDENING IN SAID AIRPORT WAY SOUTH;
THENCE NORTH 78°13'59" WEST, ALONG SAID MARGIN, 5.00 FEET;
THENCE SOUTH 11°46'01" WEST, ALONG SAID MARGIN, 221.60 FEET TO A POINT OF WIDENING IN SAID AIRPORT WAY SOUTH;
THENCE NORTH 78°13'59" WEST 3.00 FEET TO A POINT OF CURVE IN SAID MARGIN, THE CENTERLINE OF WHICH BEARS NORTH 78°13'59" WEST 522.96 FEET;
THENCE SOUTHERLY AND WESTERLY, ALONG SAID CURVE AND MARGIN, AN ARC DISTANCE OF 666.38 FEET TO A POINT ON THE NORTH MARGIN OF THE BOEING ACCESS ROAD;
THENCE SOUTH 05°13'28" EAST, ALONG SAID MARGIN, 7.00 FEET;
THENCE SOUTH 84°46'32" WEST, ALONG SAID MARGIN, 447.92 FEET TO A POINT OF CURVATURE OF A 102.80 FOOT RADIUS CURVE TO THE RIGHT IN SAID MARGIN;
THENCE WESTERLY AND NORTHERLY, ALONG SAID CURVE AND MARGIN, 150.50 FEET TO A POINT OF TANGENCY ON THE NORTHEASTERLY MARGIN OF EAST MARGINAL WAY;
THENCE NORTH 11°20'42" WEST, ALONG SAID NORTHEASTERLY MARGIN, 272.50 FEET TO A POINT OF CURVATURE OF A 1,184.34 FOOT RADIUS CURVE TO THE LEFT;
THENCE NORTHERLY, ALONG SAID CURVE AND MARGIN, AN ARC DISTANCE OF 254.44 FEET;
THENCE CONTINUING ALONG THE NORTHEASTERLY MARGIN OF EAST MARGINAL WAY, NORTH 23°39'16" WEST 429.64 FEET, MORE OR LESS, TO THE SOUTH LINE OF SAID GOVERNMENT LOT 8;
THENCE CONTINUING ALONG THE NORTHEASTERLY MARGIN OF EAST MARGINAL WAY TO AN INTERSECTION WITH THE NORTH LINE OF THE SOUTH 200 FEET OF SAID GOVERNMENT LOT 8, AS MEASURED ALONG THE EAST LINE OF SAID GOVERNMENT LOT 8;
THENCE EAST, PARALLEL TO THE SOUTH LINE OF SAID GOVERNMENT LOT 8, TO THE EAST LINE OF SAID GOVERNMENT LOT 8;
THENCE SOUTH, ALONG THE EAST LINE OF SAID GOVERNMENT LOT 8, TO THE SOUTHEAST CORNER OF SAID GOVERNMENT LOT 8;
THENCE SOUTH 88°07'58" EAST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, 267.86 FEET TO THE WESTERLY BOUNDARY LINE OF THE SEATTLE–TACOMA INTERURBAN RAILWAY RIGHT–OF–WAY;
THENCE NORTH 08° 1115" WEST, ALONG SAID WESTERLY BOUNDARY LINE, 738.75 FEET TO THE SOUTH LINE OF SAID TIMOTHY GROW'S DONATION LAND CLAIM;
THENCE SOUTH 89°59'25" WEST, ALONG SAID SOUTH LINE, 157.64 FEET TO THE WEST LINE OF SAID SECTION 3;
THENCE SOUTH 00°23'12" WEST, ALONG SAID WEST LINE, 137.23 FEET;
THENCE NORTH 89°58'12" WEST TO A POINT WHICH BEARS SOUTH 89°58'12" EAST 168.00 FEET FROM THE EASTERLY MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE NORTH 23°39'16" WEST 181.29 FEET;
THENCE NORTH 89°50'45" WEST 168.16 FEET TO THE EASTERLY MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE NORTH 23°39'16" WEST, ALONG SAID MARGIN, 147.95 FEET TO THE INTERSECTION OF SAID EASTERLY MARGIN WITH THE SOUTHERLY MARGIN OF SOUTH NORFOLK STREET AS CONVEYED TO KING COUNTY BY DEED RECORDED UNDER KING COUNTY RECORDING NO. 5388220, RECORDS OF KING COUNTY, WASHINGTON;
THENCE NORTH 66°00'17" EAST, ALONG SAID SOUTHERLY MARGIN, 862.07 FEET TO A POINT OF CURVE;
THENCE EASTERLY, ALONG SAID MARGIN, FOLLOWING AN ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 340.71 FEET, AN ARC DISTANCE OF 131.98 FEET TO A POINT OF TANGENCY;
THENCE NORTH 88°11'57" EAST, ALONG SAID MARGIN, 409.23 FEET TO THE TRUE POINT OF BEGINNING;
EXCEPT THAT PORTION THEREOF CONVEYED TO THE CITY OF TUKWILA BY STATUTORY WARRANTY DEED 9703050486;
TOGETHER WITH THAT PORTION LYING NORTH OF SOUTH NORFOLK STREET DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3;
THENCE SOUTH 00°23'12" WEST, ALONG THE WEST LINE OF SAID SUBDIVISION, 30.00 FEET TO A POINT ON THE SOUTH LINE OF THE NORTH 30 FEET IN WIDTH OF SAID SUBDIVISION AND THE TRUE POINT OF BEGINNING;
THENCE SOUTH 88°40'52" EAST, ALONG SAID SOUTH LINE, 57.98 FEET TO AN INTERSECTION WITH THE NORTHERLY MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE SOUTH 66°00'17" WEST, ALONG SAID NORTHERLY MARGIN, 203.61 FEET TO AN INTERSECTION WITH A LINE WHICH IS 213 FEET WESTERLY, MEASURED AT RIGHT ANGLES TO AND PARALLEL WITH THE WESTERLY MARGIN OF SAID PUGET SOUND ELECTRIC COMPANY RIGHT–OFWAY;
THENCE NORTH 08°11'15" WEST, ALONG SAID PARALLEL LINE, 88.01 FEET TO A POINT WHICH BEARS NORTH 88°40'52" WEST 140.07 FEET FROM THE TRUE POINT OF BEGINNING;
THENCE SOUTH 88°40'52" EAST 140.07 FEET TO THE TRUE POINT OF BEGINNING;
AND TOGETHER WITH NON–EXCLUSIVE EASEMENTS FOR DRAINAGE RECORDED UNDER RECORDING NOS. 3885858 AND 3885859, RECORDS OF KING COUNTY, WASHINGTON.

PARCEL B–1:
THAT PORTION OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON, LYING SOUTH OF THE SOUTH LINE OF THE TIMOTHY GROW'S DONATION LAND CLAIM AND WEST OF THE RIGHT OF WAY OF PUGET SOUND ELECTRIC RAILWAY.

PARCEL B–2:
THAT PORTION OF GOVERNMENT LOT 8, SECTION 4, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:
BEGINNING ON THE EAST LINE OF SAID GOVERNMENT LOT 8 AT A POINT WHICH IS NORTH 0°21'24" EAST 200 FEET FROM THE SOUTHEAST CORNER THEREOF;
THENCE NORTH 0°21'24" EAST 189.77 FEET;
THENCE WEST 375 FEET, MORE OR LESS, TO THE NORTHEASTERLY LINE OF STATE ROAD NO. 1 AS NOW ESTABLISHED;
THENCE SOUTHEASTERLY ALONG SAID ROAD LINE 205 FEET, MORE OR LESS, TO A POINT WHICH BEARS NORTH 89°20'54" WEST FROM THE POINT OF BEGINNING;
THENCE SOUTH 89°20'54" EAST PARALLEL WITH THE SOUTH LINE OF SAID GOVERNMENT LOT 8, 285 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

PARCEL B–3:
THAT PORTION OF GOVERNMENT LOT 8, SECTION 4, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:
BEGINNING ON THE EAST LINE OF SAID GOVERNMENT LOT AT A POINT WHICH IS NORTH 0°21'24" EAST 389.77 FEET FROM THE SOUTHEAST CORNER THEREOF;
THENCE NORTH 0°21'24" EAST ALONG SAID EAST LINE 174.65 FEET;
THENCE DUE WEST TO THE NORTHEASTERLY LINE OF PRIMARY STATE HIGHWAY NO. 1 AS ESTABLISHED BY DEED TO THE STATE OF WASHINGTON, RECORDED UNDER RECORDING NUMBER 3440535, IN KING COUNTY, WASHINGTON;
THENCE SOUTHEASTERLY ALONG SAID NORTHEASTERLY LINE 195 FEET, MORE OR LESS, TO A POINT DUE WEST OF THE POINT OF BEGINNING;
THENCE EAST 375 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

PARCEL B–4:
THAT PORTION OF SECTION 4, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M, IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:
BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF THE TIMOTHY GROW'S DONATION LAND CLAIM WITH THE EAST LINE OF SAID SECTION 4;
THENCE SOUTH 0°23'12" WEST ALONG SAID EAST LINE 137.23 FEET TO THE TRUE POINT OF BEGINNING;
THENCE SOUTH 0°23'12" WEST 20.00 FEET;
THENCE NORTH 89°58'12" WEST 448.01 FEET TO THE EASTERLY MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE NORTH 23°39'16" WEST ALONG SAID MARGIN TO A POINT WHICH BEARS NORTH 89°58'12" WEST FROM THE TRUE POINT OF BEGINNING;
THENCE SOUTH 89°58'12" EAST TO THE TRUE POINT OF BEGINNING.

PARCEL C:
THAT PORTION OF SECTION 4, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., DESCRIBED AS FOLLOWS:
BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF THE TIMOTHY GROW'S DONATION LAND CLAIM WITH THE EAST LINE OF SAID SECTION 4;
THENCE SOUTH 00°23'12" WEST ALONG SAID EAST LINE 137.23 FEET;
THENCE NORTH 89°58'12" WEST TO A POINT WHICH BEARS SOUTH 89°58'12" EAST 168.00 FEET FROM THE EASTERLY MARGIN OF EAST MARGINAL WAY SOUTH, AND THE TRUE POINT OF BEGINNING;
THENCE NORTH 23°39'16" WEST 181.29 FEET;
THENCE NORTH 89°50'45" WEST 168.00 FEET TO SAID EASTERLY MARGIN;
THENCE SOUTH 23°39'16" EAST ALONG SAID EASTERLY MARGIN TO A POINT WHICH BEARS NORTH 89°58'12" WEST FROM THE TRUE POINT OF BEGINNING;
THENCE SOUTH 89°58'12" EAST 168.00 FEET TO THE TRUE POINT OF BEGINNING.
ALL SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: LEGAL DESCRIPTION
FOR
PROLOGIS EMERALD GATEWAY – PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal – Vertical –
Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 1/7/22
Scale:1" = 1' JPULLICINO Xref: -----

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C2 of 46

OVERALL DEMOLITON PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

1"=100'

0 50 100 200

AIRPORT WAY SOUTH

L=29.130, R=48.000
Δ=34.7709

S20°15'08"E 1127.48'

35.00'

S69°44'52"W

L=509.062, R=880.000
Δ=33.1444

SEATTLE
TUKWILA

N77°06'28"W 5.00'

S12°53'32"W 221.61'

N77°06'28"W 3.00'

EXISTING BLDG 6
FF = 16.65
AREA = 2,011 SF

N89°19'28"E 408.74'

EXISTING BLDG 1
FF = 20.33
AREA = 602,697 SF

SHEET C4

SHEET C5

EXISTING BLDG 2
FF = 18.81
AREA = 60,597 SF

L=131.980, R=340.710
Δ=22.194°

S87°37'49"E 58.40'

S87°37'49"E 140.24'

N7°03'44"W 88.03'

N67°07'28"W 265.66'

EXISTING BLDG 3
FF = 18.82
AREA = 6,604 SF

EXISTING BLDG 4
FF = 21.26
AREA = 6,148 SF

EXISTING BLDG 5
FF = 11.44
AREA = 480 SF

EXISTING BLDG
FF = 20.7

Δ=73°00'31"
R=522.96'
L=666.38'

S4°05'57"E 7.00'

EXISTING BLDG
FF = 15.59

SOUTH NORFOLK STREET

N67°07'48"E 862.59'

SHEET C6

SEATTLE
TUKWILA

SHEET C7

N88°50'41"W 4

N88°50'41"W 369.94'

N65°13'12"W 285.56'

EXISTING BLDG
FF = 14.08

N25°48'32"W 30.24'

N22°31'45"W 234.03'

N22°31'45"W 146.18'

N22°31'45"W 148.02

N22°31'45"W 586.07'

N22°31'45"W 218.46'

R=1,150.00'
L=254.44'

N30°54'34"W 272.82'

S85°54'03"W 447.77'

Δ=83°52'45"
R=102.80'
L=150.50'

BOEING ACCESS ROAD

EAST MARGINAL WAY SOUTH

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: OVERALL DEMOLITON PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=100' Vertical -

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 1/7/22

Scale: 1" = 1' JPULLICINO Xref: ~~~~

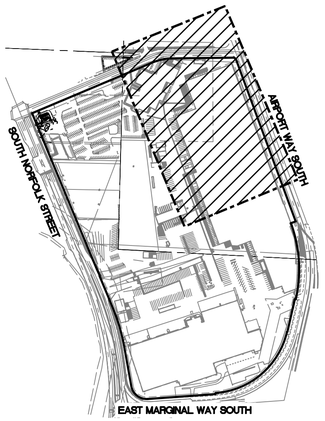
Barghausen
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Kent, WA 98032
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Job Number 18182

Sheet C3 of 46

File:P:\18000s\18182\asbuilt\Phase 1 Civil\18182-N.dwg Date/Time:12/30/2021 2:55 PM Scale:1" = 1' JPULLICINO Xref: ~~~~

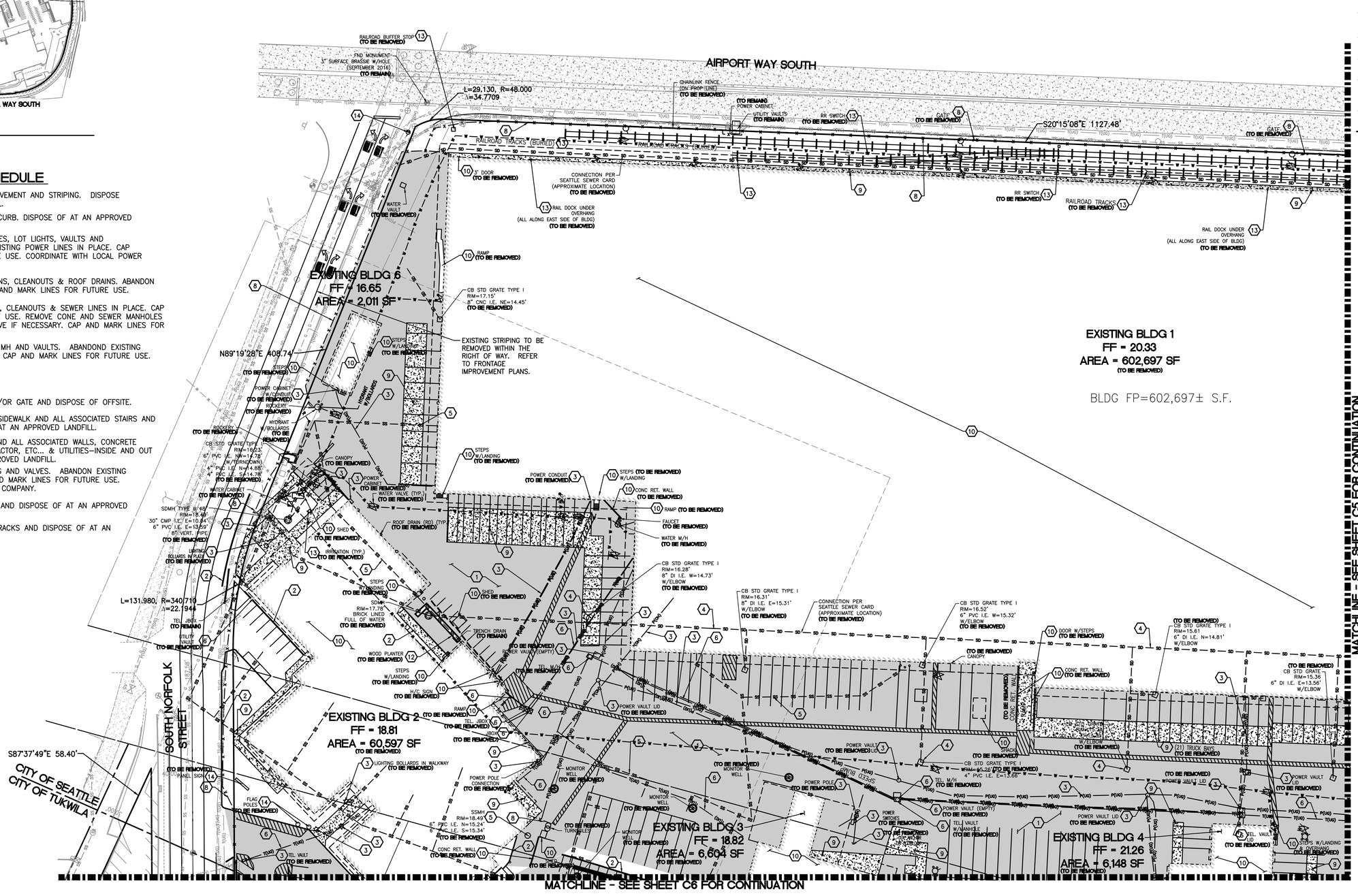
DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING



OVERALL SITE
NTS

DEMOLITION SCHEDULE

1. REMOVE EXISTING ASPHALT PAVEMENT AND STRIPING. DISPOSE OF AT AN APPROVED LANDFILL.
2. REMOVE EXISTING CONCRETE CURB. DISPOSE OF AT AN APPROVED LANDFILL.
3. REMOVE EXISTING POWER POLES, LOT LIGHTS, VAULTS AND TRANSFORMERS ABBANDON EXISTING POWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL POWER COMPANY.
4. REMOVE EXISTING CATCH BASINS, CLEANOUTS & ROOF DRAINS. ABANDON STORM LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
5. ABANDON EXISTING SEWER MH, CLEANOUTS & SEWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. REMOVE CONE AND SEWER MANHOLES AND FILL WITH GRAVEL. REMOVE IF NECESSARY. CAP AND MARK LINES FOR FUTURE USE.
6. REMOVE EXISTING TELEPHONE MH AND VAULTS. ABANDOND EXISTING TELEPHONE LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
7. NOT USED
8. REMOVE EXISTING FENCE AND/OR GATE AND DISPOSE OF OFFSITE.
9. REMOVE EXISTING CONCRETE SIDEWALK AND ALL ASSOCIATED STAIRS AND HANDRAILS AND DISPOSE OF AT AN APPROVED LANDFILL.
10. REMOVE EXISTING BUILDING AND ALL ASSOCIATED WALLS, CONCRETE WALKS, RAMPS, TRASH COMPACTOR, ETC... & UTILITIES–INSIDE AND OUT AND DISPOSE OF AT AN APPROVED LANDFILL.
11. REMOVE EXISTING GAS METERS AND VALVES. ABANDON EXISTING GAS LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL GAS COMPANY.
12. REMOVE EXISTING LANDSCAPE AND DISPOSE OF AT AN APPROVED LANDFILL.
13. REMOVE EXISTING RAILROAD TRACKS AND DISPOSE OF AT AN APPROVED LANDFILL.
14. REMOVE SIGNS AND POLES



1"=50'
0 25 50 100

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=50' Vertical –
Designed JEP Drawn —— Checked JEP Approved DKB Date 1/7/22
Xref: ~~~~ JPULLICINO Scale:1" = 1"

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

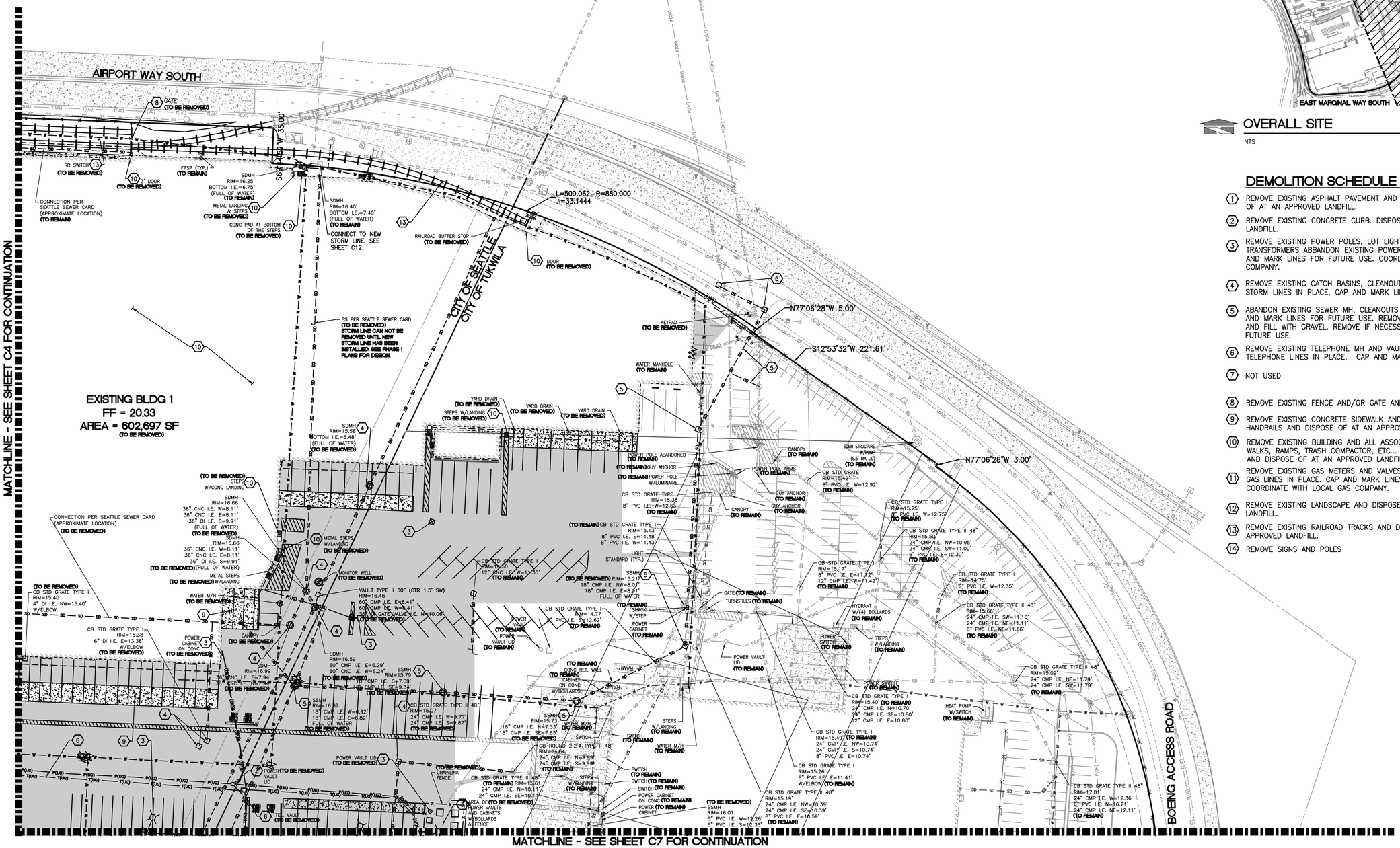
Job Number 18182
Sheet C4 of 46

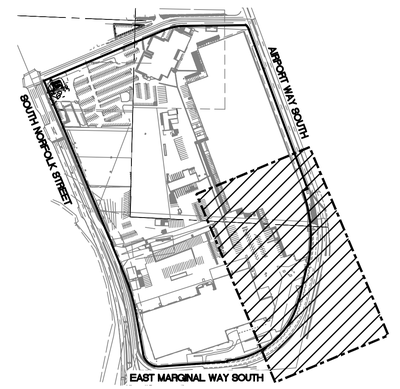
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DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

1"=50'

0 25 50 100





OVERALL SITE
NTS

DEMOLITION SCHEDULE

1. REMOVE EXISTING ASPHALT PAVEMENT AND STRIPING. DISPOSE OF AT AN APPROVED LANDFILL.
2. REMOVE EXISTING CONCRETE CURB. DISPOSE OF AT AN APPROVED LANDFILL.
3. REMOVE EXISTING POWER POLES, LOT LIGHTS, VAULTS AND TRANSFORMERS ABBANDON EXISTING POWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL POWER COMPANY.
4. REMOVE EXISTING CATCH BASINS, CLEANOUTS & ROOF DRAINS. ABANDON STORM LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
5. ABANDON EXISTING SEWER MH, CLEANOUTS & SEWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. REMOVE CONE AND SEWER MANHOLES AND FILL WITH GRAVEL. REMOVE IF NECESSARY. CAP AND MARK LINES FOR FUTURE USE.
6. REMOVE EXISTING TELEPHONE MH AND VAULTS. ABANDOND EXISTING TELEPHONE LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
7. NOT USED
8. REMOVE EXISTING FENCE AND/OR GATE AND DISPOSE OF OFFSITE.
9. REMOVE EXISTING CONCRETE SIDEWALK AND ALL ASSOCIATED STAIRS AND HANDRAILS AND DISPOSE OF AT AN APPROVED LANDFILL.
10. REMOVE EXISTING BUILDING AND ALL ASSOCIATED WALLS, CONCRETE WALKS, RAMPS, TRASH COMPACTOR, ETC... & UTILITIES–INSIDE AND OUT AND DISPOSE OF AT AN APPROVED LANDFILL.
11. REMOVE EXISTING GAS METERS AND VALVES. ABANDON EXISTING GAS LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL GAS COMPANY.
12. REMOVE EXISTING LANDSCAPE AND DISPOSE OF AT AN APPROVED LANDFILL.
13. REMOVE EXISTING RAILROAD TRACKS AND DISPOSE OF AT AN APPROVED LANDFILL.
14. REMOVE SIGNS AND POLES

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

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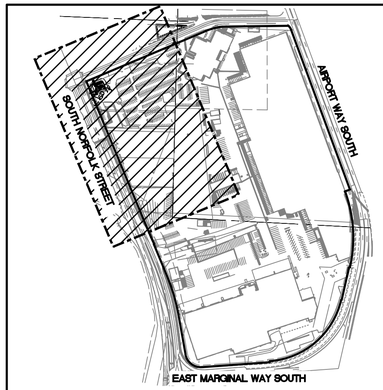
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Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C5 of 46

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DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING



OVERALL SITE
NTS

1"=50'
0 25 50 100

MATCHLINE - SEE SHEET C4 FOR CONTINUATION

DEMOLITION SCHEDULE

1. REMOVE EXISTING ASPHALT PAVEMENT AND STRIPING. DISPOSE OF AT AN APPROVED LANDFILL.
2. REMOVE EXISTING CONCRETE CURB. DISPOSE OF AT AN APPROVED LANDFILL.
3. REMOVE EXISTING POWER POLES, LOT LIGHTS, VAULTS AND TRANSFORMERS ABBANDON EXISTING POWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL POWER COMPANY.
4. REMOVE EXISTING CATCH BASINS, CLEANOUTS & ROOF DRAINS. ABANDON STORM LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
5. ABANDON EXISTING SEWER MH, CLEANOUTS & SEWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. REMOVE CONE AND SEWER MANHOLES AND FILL WITH GRAVEL. REMOVE IF NECESSARY. CAP AND MARK LINES FOR FUTURE USE.
6. REMOVE EXISTING TELEPHONE MH AND VAULTS. ABANDOND EXISTING TELEPHONE LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
7. NOT USED
8. REMOVE EXISTING FENCE AND/OR GATE AND DISPOSE OF OFFSITE.
9. REMOVE EXISTING CONCRETE SIDEWALK AND ALL ASSOCIATED STAIRS AND HANDRAILS AND DISPOSE OF AT AN APPROVED LANDFILL.
10. REMOVE EXISTING BUILDING AND ALL ASSOCIATED WALLS, CONCRETE WALKS, RAMPS, TRASH COMPACTOR, ETC... & UTILITIES–INSIDE AND OUT AND DISPOSE OF AT AN APPROVED LANDFILL.
11. REMOVE EXISTING GAS METERS AND VALVES. ABANDON EXISTING GAS LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL GAS COMPANY.
12. REMOVE EXISTING LANDSCAPE AND DISPOSE OF AT AN APPROVED LANDFILL.
13. REMOVE EXISTING RAILROAD TRACKS AND DISPOSE OF AT AN APPROVED LANDFILL.
14. REMOVE SIGNS AND POLES

MATCHLINE - SEE SHEET C7 FOR CONTINUATION

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=50' Vertical –
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barghausen.com

Job Number 18182
Sheet C6 of 46

File:P:\18000s\18182\vsbuilt\Phase 1 Civil\18182–N.dwg Date/time:12/30/2021 2:55 PM

DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

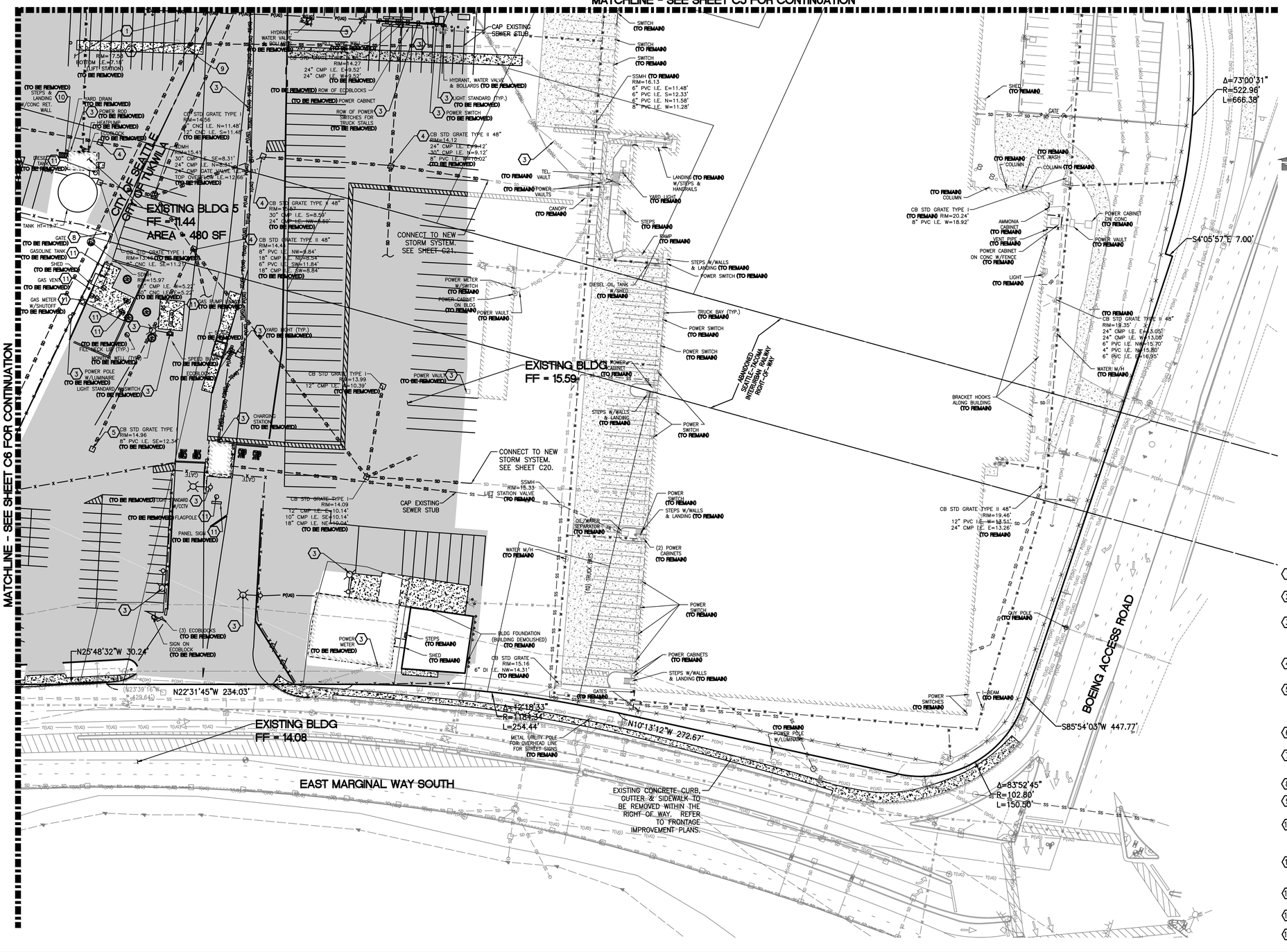
RECORD DRAWING

1"=50'

0 25 50 100

MATCHLINE - SEE SHEET C5 FOR CONTINUATION

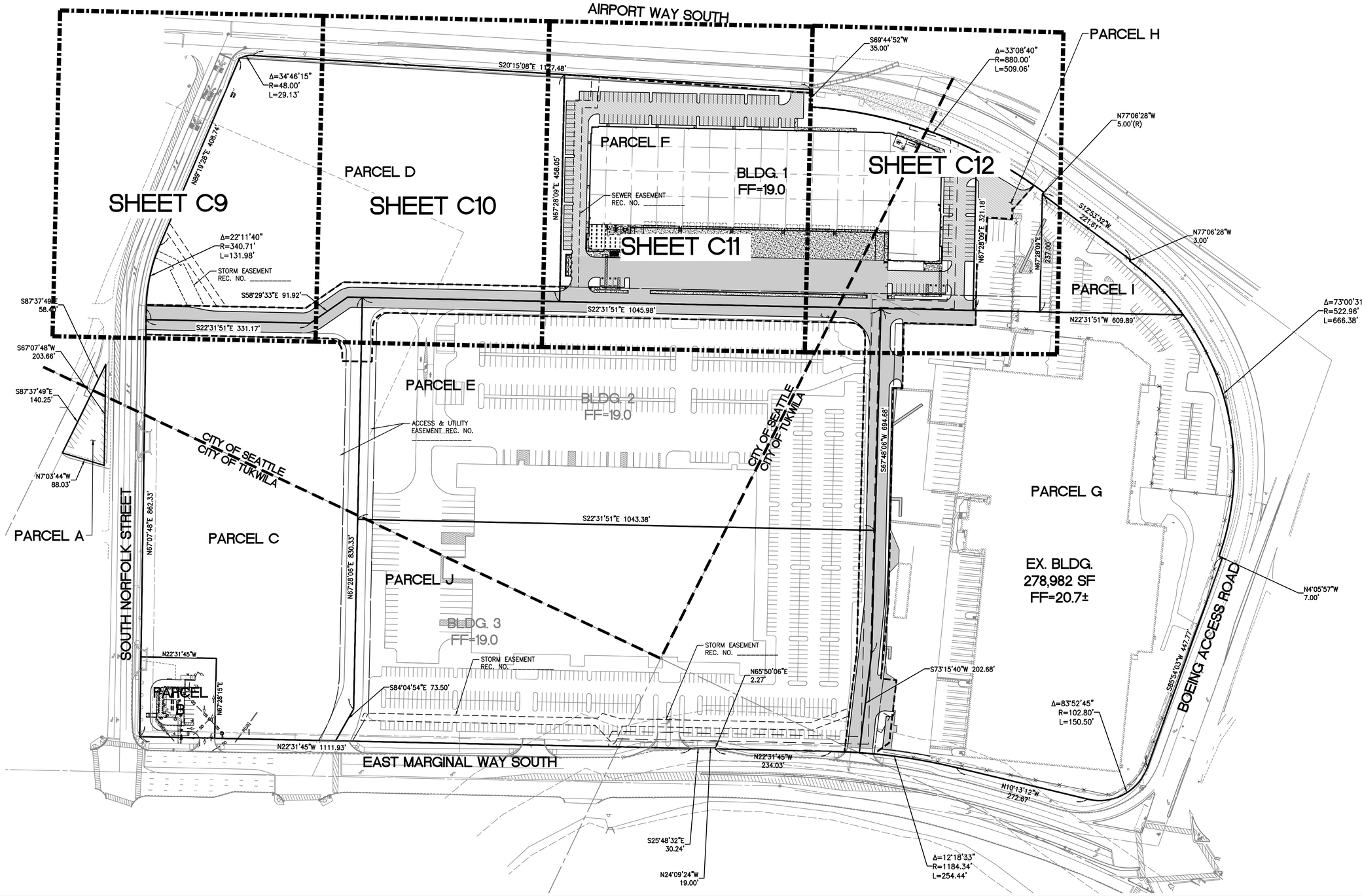
MATCHLINE - SEE SHEET C6 FOR CONTINUATION


CITY OF SEATTLE
CITY OF TUKWILA
EXISTING BLDG 5
FF = 11.44
AREA = 480 SF
CONNECT TO NEW STORM SYSTEM. SEE SHEET C21.
EXISTING BLDG
FF = 15.59
CONNECT TO NEW STORM SYSTEM. SEE SHEET C20.
EXISTING BLDG
FF = 14.08
EAST MARGINAL WAY SOUTH
BOEING ACCESS ROAD
ABANDONED SEATTLE-TACOMA INTERURBAN RAILWAY RIGHT-OF-WAY
N25°48'32"W 30.24'
(N23°39'16"W 429.0')
N22°31'45"W 234.03'
A=12°18'33"
R=1183.24'
L=254.44'
N10°13'12"W 272.67'
S85°54'03"W 447.77'
Δ=73°00'31"
R=522.96'
L=666.38'
S4°05'57"E 7.00'
A=83°52'45"
R=102.80'
L=150.50'
CAP EXISTING SEWER STUB
CAP EXISTING SEWER STUB
EXISTING CONCRETE CURB, GUTTER & SIDEWALK TO BE REMOVED WITHIN THE RIGHT OF WAY. REFER TO FRONTAGE IMPROVEMENT PLANS.
METAL UTILITY POLE FOR OVERHEAD LINE FOR STREET SIGNS (TO REMAIN)
BRACKET HOOKS ALONG BUILDING (TO REMAIN)
CB STD GRATE TYPE II 48" RIM=19.46' 12" PVC I.E. N=18.51' 24" CMP I.E. E=13.26' (TO REMAIN)
CB STD GRATE TYPE I (TO REMAIN) RIM=20.24' 8" PVC I.E. W=18.92'
(TO REMAIN) CB STD GRATE TYPE II 48" RIM=19.35' 24" CMP I.E. E=13.05' 24" CMP I.E. W=13.08' 6" PVC I.E. NW=15.70' 4" PVC I.E. N=15.80' 6" PVC I.E. E=16.95'
(TO REMAIN) CB STD GRATE TYPE I RIM=13.99 12" CMP I.E. N=10.39' (TO BE REMOVED)
(TO REMAIN) CB STD GRATE TYPE I RIM=14.09 12" CMP I.E. SE=10.14' 10" CMP I.E. SE=10.14' 18" CMP I.E. NE=10.04' (TO BE REMOVED)
(TO REMAIN) CB STD GRATE TYPE I RIM=13.46 (TO BE REMOVED) 12" CNC I.E. SE=11.27' (TO BE REMOVED)
(TO REMAIN) CB STD GRATE TYPE I RIM=14.56 6" CNC I.E. N=11.48' 12" CNC I.E. S=11.48' (TO BE REMOVED)
(TO REMAIN) CB STD GRATE TYPE II 48" RIM=14.12 24" CMP I.E. E=9.42' 30" CMP I.E. N=9.12' 8" PVC I.E. W=11.02' (TO BE REMOVED)
(TO REMAIN) CB STD GRATE TYPE I RIM=15.16 6" DI I.E. NW=14.31' (TO REMAIN)
(TO REMAIN) CB STD GRATE TYPE II 48" RIM=14.48' 8" PVC I.E. NW=9.84' 18" CMP I.E. NW=8.54' 6" PVC I.E. SW=11.84' 18" CMP I.E. SW=8.84' (TO BE REMOVED)
(TO REMAIN) CB STD GRATE TYPE II 48" RIM=15.07' 30" CMP I.E. S=8.59' 24" CMP I.E. NW=8.59' (TO BE REMOVED)
(TO REMAIN) CB STD GRATE TYPE I RIM=14.96 8" PVC I.E. SE=12.34' (TO BE REMOVED)
(TO REMAIN) SSMH RIM=16.13 6" PVC I.E. E=11.48' 6" PVC I.E. S=12.33' 6" PVC I.E. N=11.58' 8" PVC I.E. W=11.28'
(TO REMAIN) SSMH RIM=15.33 LIFT STATION VALVE (TO REMAIN)
(TO REMAIN) SSMH RIM=15.41 30" CMP I.E. SE=8.31' 24" CMP I.E. N=8.31' 24" CMP GATE VALVE I.E.=8.41' TOP OVERFLOW I.E.=12.66' (TO BE REMOVED)
(TO REMAIN) SSMH RIM=15.97 6" CMP I.E. W=5.22' 30" CNC I.E. E=5.22' (TO BE REMOVED)
(TO REMAIN) SSMH RIM=4.27 24" CMP I.E. E=9.52' 24" CMP I.E. W=9.52' (TO BE REMOVED)
(TO REMAIN) SSMH RIM=15.49 8" PVC I.E. NW=9.59' 8" PVC I.E. SE=9.59' 8" PVC I.E. SW=9.59'
(TO REMAIN) SSMH RIM=15.49 8" PVC I.E. NE=9.59' 8" PVC I.E. SW=9.59' 8" PVC I.E. SE=9.59'
(TO REMAIN) SSMH RIM=15.49 8" PVC I.E. NW=9.59' 8" PVC I.E. NE=9.59' 8" PVC I.E. SW=9.59'
(TO REMAIN) SSMH RIM=15.49 8" PVC I.E. NW=9.59' 8" PVC I.E. NE=9.59' 8" PVC I.E. SE=9.59'
(TO REMAIN) SSMH RIM=15.49 8" PVC I.E. NW=9.59' 8" PVC I.E. NE=9.59' 8" PVC I.E. SW

Know what's **below.**
Call before you dig.

0 50 100 200

GRADING AND DRAINAGE PLAN SHEET INDEX
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING



No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title:
GRADING AND DRAINAGE PLAN SHEET INDEX
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=100' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 18182

Sheet C8 of 46

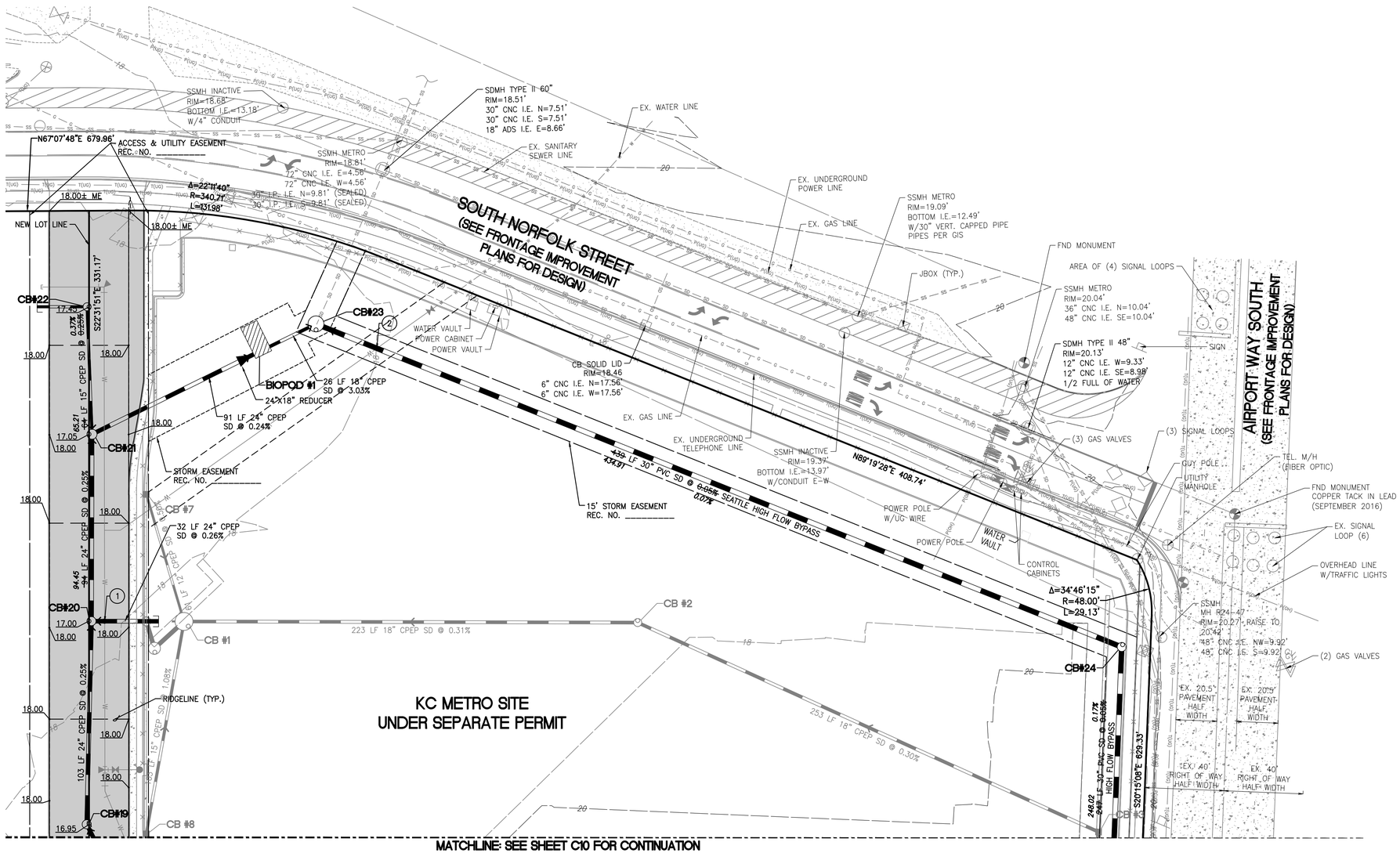
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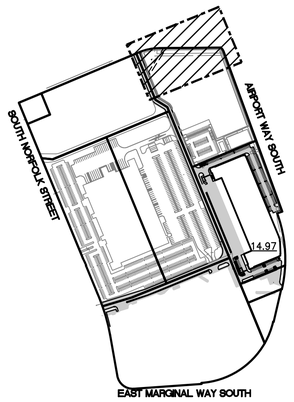
GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

N

0 15 30 60

PROPOSED SITE PAVEMENT LEGEND
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38





OVERALL SITE
NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C33.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C33.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C33.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C33.
5. CATCH BASINS #49, #56, AND #63 TO BE INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET C34.
6. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C34.
7. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C34.
8. "NO DUMPING DRAINS TO RIVER" DRAIN MARKER BY ALMETEK TO BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS. SEE DETAIL SHEET C37. CITY TO PROVIDE MARKERS TO CONTRACTOR.
9. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
10. SEE SHEET C13 FOR STRUCTURE TABLES.
11. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C37.
12. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C37.
13. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C37.
14. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C37).
15. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
16. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
17. BIOPOD #1 TO BE INSTALLED PER DETAIL ON SHEET C40
18. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE

UTILITY CROSSINGS
1. IE = 10.93 (24" CPEP SD)
   T/P = 10.33 (12" D.I. WATER)
   Δ = 0.60
2. IE = 13.48 (12" D.I. WATER
   T/P = 10.46 (30" CPEP SD)
   Δ = 3.02

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
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SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
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Designed JEP Drawn ___ JEP Checked ___ JEP Approved DKB Date 1/7/22
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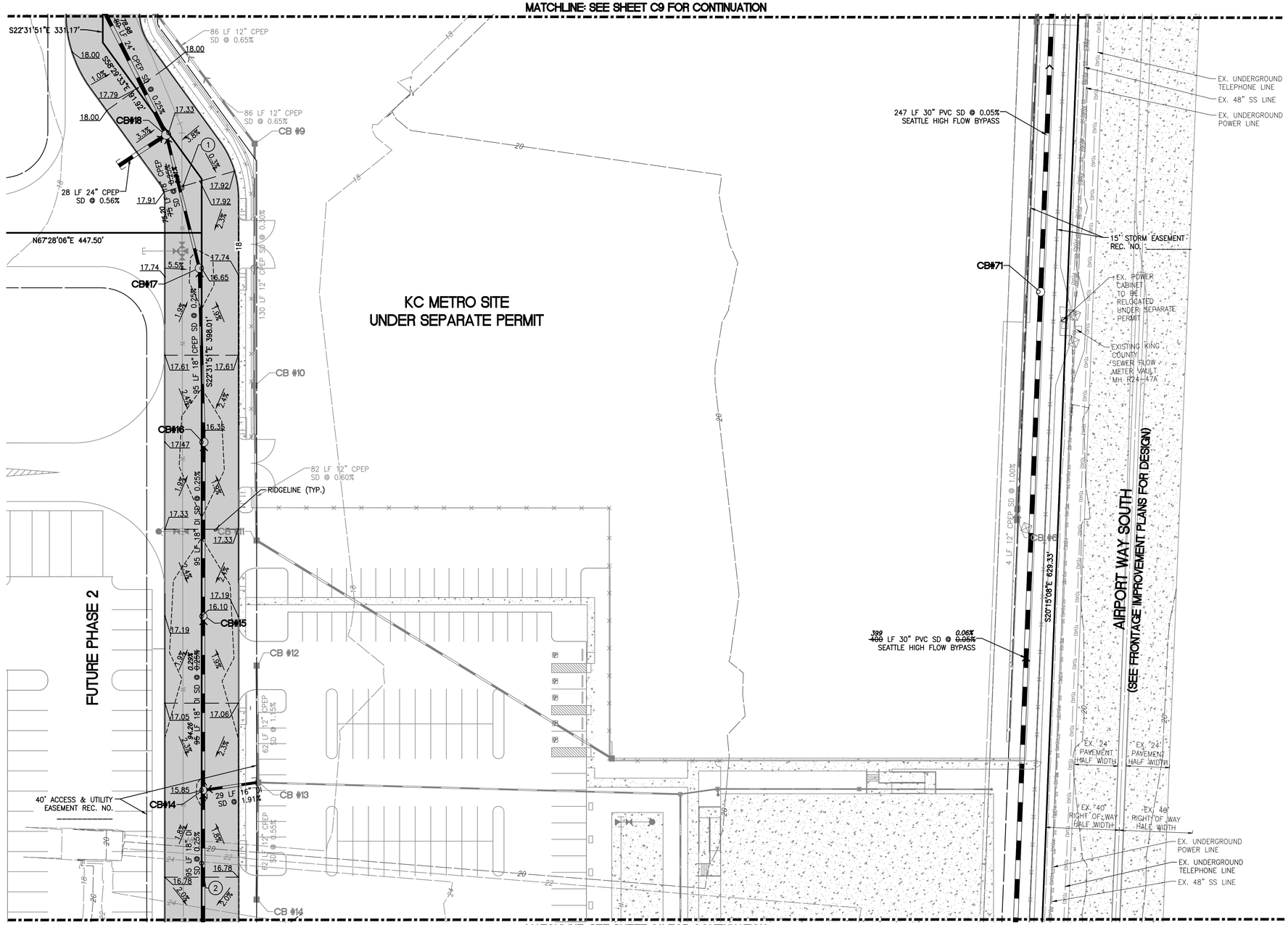
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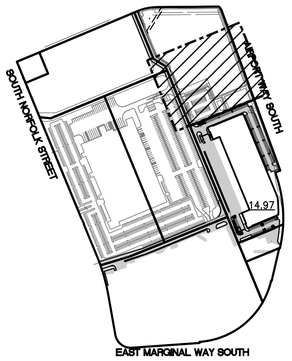
Job Number 18182
Sheet C9 of 46

GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

0 15 30 60





OVERALL SITE

NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C33.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C33.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C33.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C33.
5. CATCH BASINS #49, #56, AND #63 TO BE INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET C34.
6. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C34.
7. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C34.
8. "NO DUMPING DRAINS TO RIVER" DRAIN MARKER BY ALMETEK TO BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS. SEE DETAIL SHEET C37. CITY TO PROVIDE MARKERS TO CONTRACTOR.
9. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
10. SEE SHEET C13 FOR STRUCTURE TABLES.
11. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C37.
12. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C37.
13. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C37.
14. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C37).
15. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
16. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
17. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE

UTILITY CROSSINGS

(1) IE = 13.55 (12" D.I. WATER)
T/P = 12.95 (18" CPEP SD)
Δ = 0.60

(2) IE = 12.39 (18" D.I. SD)
T/P = 11.79 (12" D.I. WATER)
Δ = 0.60

No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1
Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22
Xref: ~~~~ JPULLIONO Scale:1" = 1"

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C10 of 46

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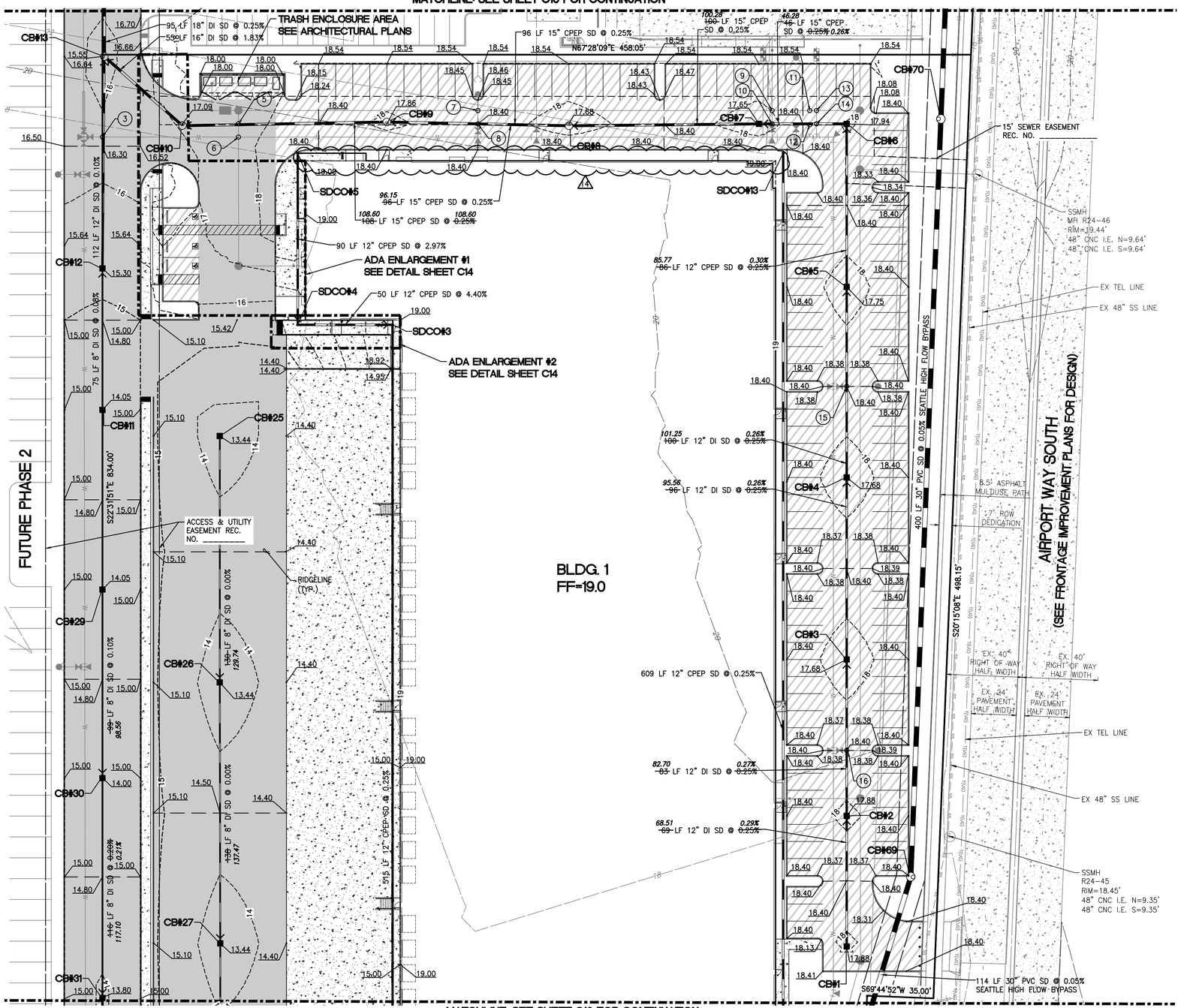
GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

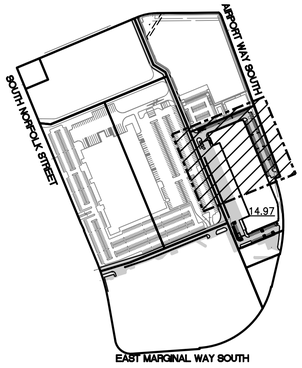
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MATCHLINE: SEE SHEET C10 FOR CONTINUATION



MATCHLINE: SEE SHEET C12 FOR CONTINUATION



OVERALL SITE
NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C33.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C33.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C33.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C33.
5. CATCH BASINS #49, #56, AND #63 TO BE INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET C34.
6. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C34.
7. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C34.
8. "NO DUMPING DRAINS TO RIVER" DRAIN MARKER BY ALMETEK TO BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS. SEE DETAIL SHEET C37. CITY TO PROVIDE MARKERS TO CONTRACTOR.
9. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
10. SEE SHEET C13 FOR STRUCTURE TABLES.
11. UTILITY TRENCH BEDDING AND BACKWILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C37.
12. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C37.
13. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C37.
14. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C37).
15. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
16. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
17. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE

UTILITY CROSSINGS

1. NOT USED
2. NOT USED
3. IE = 12.63 (12" D.I. SD)
   T/P = 12.03 (12" D.I. WATER)
   Δ = 0.60
4. NOT USED
5. IE = 13.60 (15" CPEP SD)
   T/P = 11.86 (12" PVC SS)
   Δ = 1.74
6. IE = 13.25 (12" D.I. WATER)
   T/P = 11.88 (12" PVC SS)
   Δ = 1.37
7. IE = 14.43 (12" D.I. WATER)
   T/P = 13.72 (12" PVC SS)
   Δ = 0.71
8. IE = 13.92 (15" CPEP SD)
   T/P = 13.32 (6" D.I. WATER)
   Δ = 0.60

UTILITY CROSSINGS

9. IE = 13.20 (6" D.I. WATER)
   T/P = 12.40 (12" PVC SS)
   Δ = 0.80
10. IE = 14.30 (15" CPEP SD)
    T/P = 13.70 (10" D.I. WATER)
    Δ = 0.60
11. IE = 13.58 (2" WATER SERVICE)
    T/P = 12.35 (12" PVC SS)
    Δ = 1.23
12. IE = 14.35 (15" CPEP SD)
    T/P = 13.75 (2" WATER)
    Δ = 0.60
13. IE = 13.59 (2" WATER SERVICE)
    T/P = 12.34 (12" PVC SS)
    Δ = 1.25
14. IE = 14.36 (15" CPEP SD)
    T/P = 13.76 (2" WATER)
    Δ = 0.60
15. IE = 14.75 (12" D.I. SD)
    T/P = 14.15 (6" D.I. WATER)
    Δ = 0.60
16. IE = 15.22 (12" D.I. SD)
    T/P = 14.62 (6" D.I. WATER)
    Δ = 0.60

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER — 1/7/2022

Scale: Horizontal 1"=30' Vertical -
Designed JEP Drawn ___ Checked JEP Approved DKB Date 1/7/22
JPULLICINO Xref: ~~~~
Scale:1" = 1'

Barghausen Consulting Engineers, Inc.
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Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C11 of 46

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GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

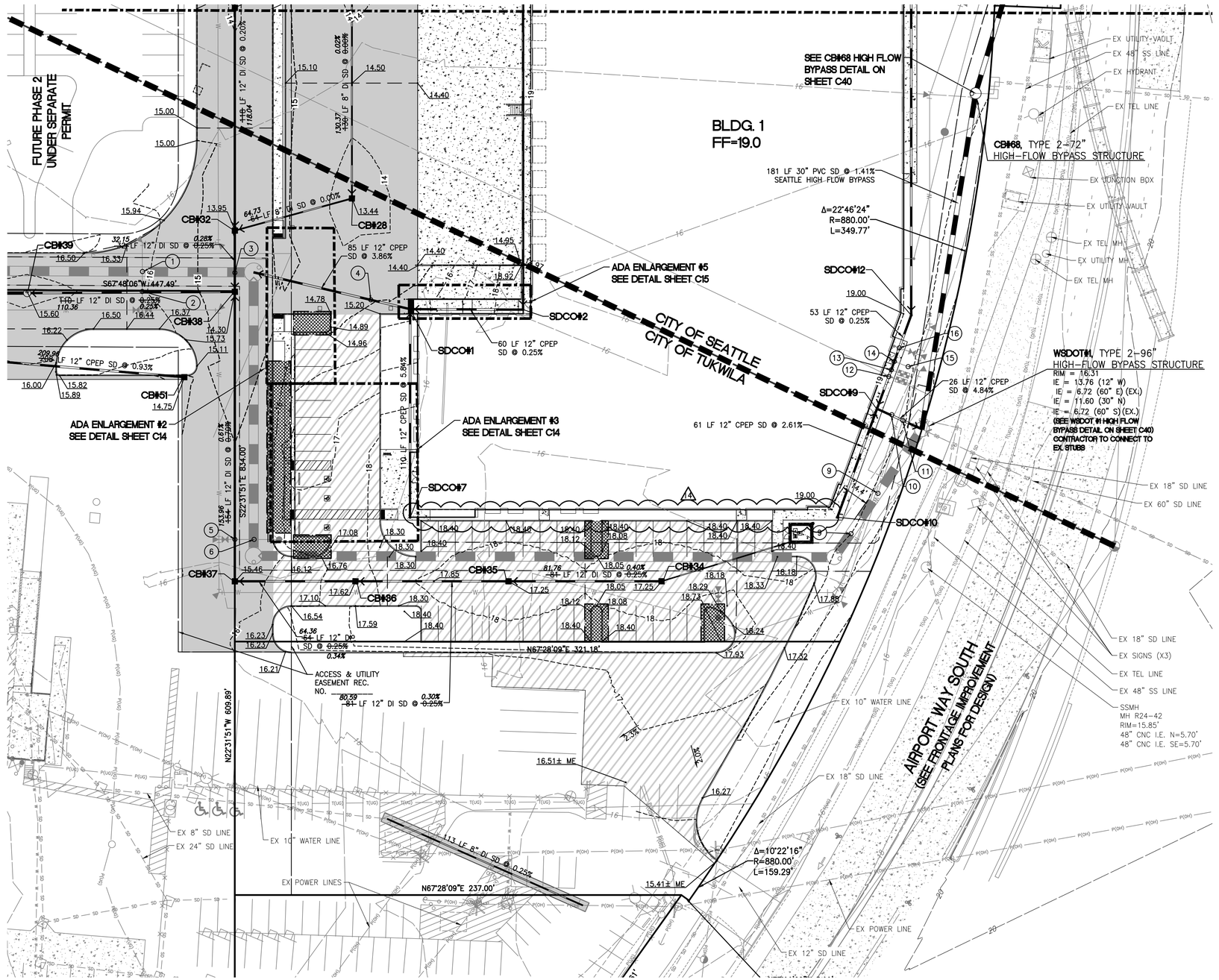
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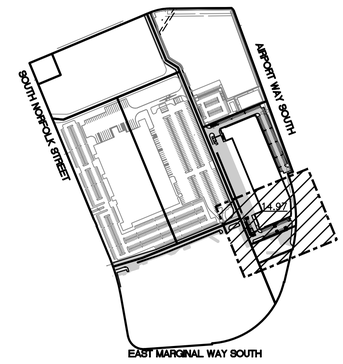
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PROPOSED SITE PAVEMENT LEGEND
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

LEGEND
- STRUCTURAL SOILS AREA SEE DETAIL SHEET C39. STRUCTURAL SOILS MUST BE INSTALLED **BEFORE** PAVING OR THE PAVEMENT WILL NEED TO BE REMOVED AND STRUCTURAL SOILS INSTALLED.

MATCHLINE: SEE SHEET C11 FOR CONTINUATION





OVERALL SITE
NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C33.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C33.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C33.
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5. CATCH BASINS #49, #56, AND #63 TO BE INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET C34.
6. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C34.
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16. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
17. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE

UTILITY CROSSINGS

1. IE = 11.66 (12" D.I. WATER) T/P = 11.10 (60" CPEP SD) Δ = 0.56
2. IE = 12.19 (12" D.I. SD) T/P = 11.59 (12" D.I. WATER) Δ = 0.60
3. IE = 12.04 (12" D.I. SD) T/P = 11.14 (EX. 60" CPEP SD) Δ = 0.90
4. IE = 12.39 (12" CPEP SD) T/P = 12.08 (12" D.I. WATER) Δ = 0.31
5. IE = 13.23 (12" D.I. SD) T/P = 12.63 (6" D.I. WATER) Δ = 0.60
6. IE = 12.13 (6" D.I. WATER) T/P = 11.30 (EX. 60" CPEP SD) Δ = 0.83
7. NOT USED
8. IE = 13.48 (12" D.I. WATER) T/P = 11.66 (EX. 60" CPEP SD) Δ = 1.82

UTILITY CROSSINGS

9. IE = 13.80 (6" D.I. W) T/P = 11.68 (EX. 60" CPEP SD) Δ = 2.12
10. IE = 14.62 (12" CPEP SD) T/P = 14.02 (12" D.I. WATER) Δ = 0.60
11. IE = 14.30 (12" CPEP SD) T/P = 13.70 (6" D.I. WATER) Δ = 0.60
12. IE = 15.08 (12" CPEP SD) T/P = 14.48 (1.5" WATER SERVICE) Δ = 0.60
13. IE = 15.09 (12" CPEP SD) T/P = 14.49 (2" WATER SERVICE) Δ = 0.60
14. IE = 15.10 (12" CPEP SD) T/P = 14.50 (6" D.I. WATER) Δ = 0.60
15. IE = 14.23 (6" D.I. WATER) T/P = 13.63 (12" D.I. WATER) Δ = 0.60
16. IE = 14.23 (6" CPEP SD) T/P = 13.63 (10" D.I. WATER) Δ = 0.60

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical –
Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22
JPULLICINO Xref: ----
Scale=1" = 1'

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
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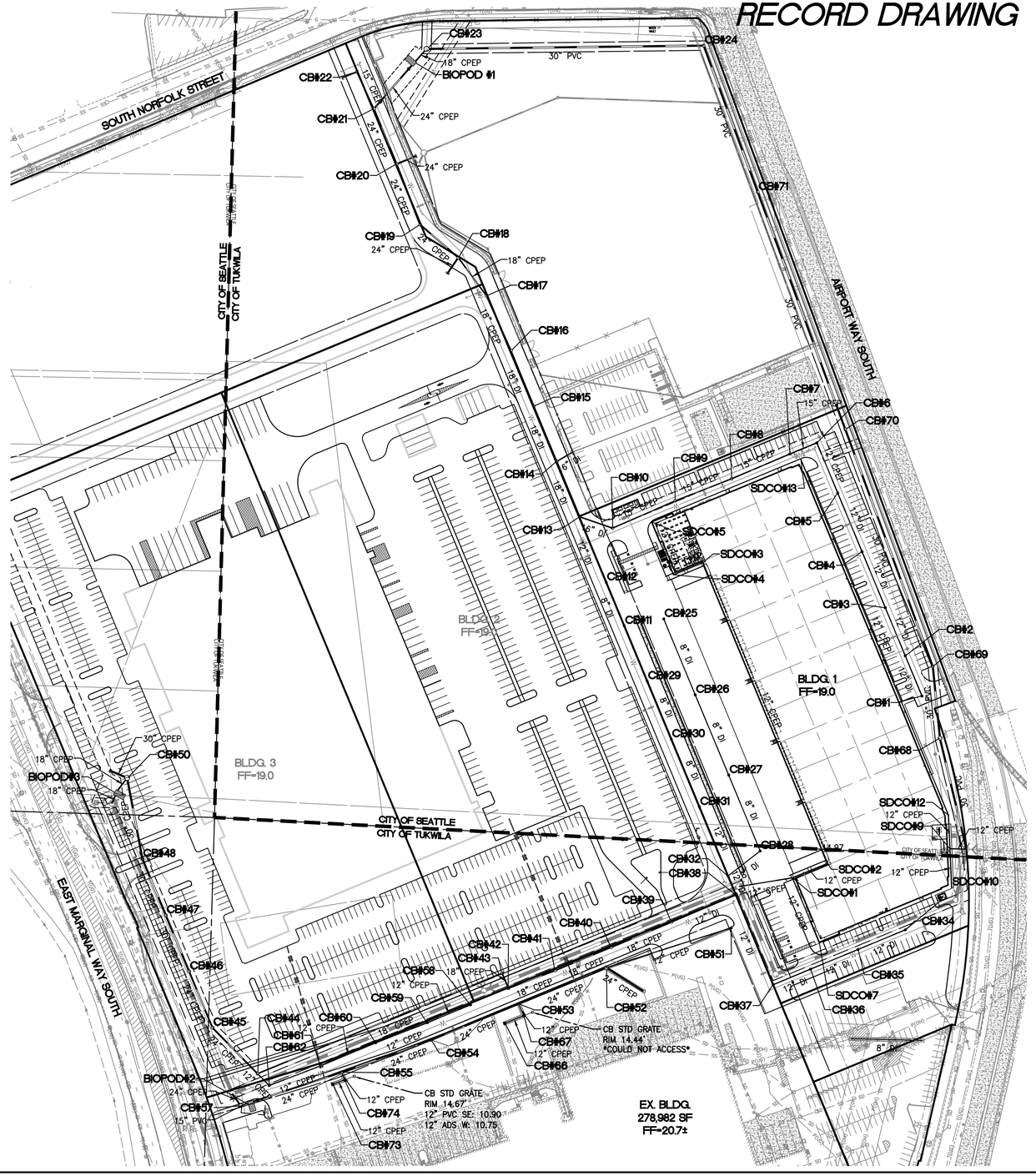
Job Number 18182
Sheet C12 of 46

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STRUCTURE TABLE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



SD STRUCTURE TABLE
BIOPOD #1, 8'x16' BIOPOD RIM = 19.00 IE=10.45 (24" SW) IE=8.28 (18" NE)
BIOPOD#2, 8'Xx16' BIOPOD RIM = 17.42 IE=8.28 (24" E) IE=6.11 (15" W)
BIOPOD#3, 8'x16' BIOPOD RIM = 17.91 IE=8.19 (18" NE) IE=6.02 (18" SW)
CB#1, TYPE 1, W/STANDARD GRATE RIM = ~~17.88~~ *17.82* IE=~~15.59~~ *15.59* (12" NW)
CB#2, TYPE 1, W/STANDARD GRATE RIM = ~~17.88~~ *17.83* IE=~~15.33~~ (12" SE)*15.39* IE=~~15.33~~ *15.39* (12" NW)
CB#3, TYPE 1, W/STANDARD GRATE RIM = ~~17.65~~ *17.62* IE=~~15.12~~ (12" SE)*15.17* IE=~~15.12~~ *15.17* (12" NW)
CB#4, TYPE 1, W/STANDARD GRATE RIM = ~~17.68~~ *17.62* IE=~~14.88~~ (12" SE)*14.92* IE=~~14.88~~ *14.92* (12" NW)
CB#5, TYPE 1, W/STANDARD GRATE RIM = ~~17.75~~ *17.69* IE=~~14.63~~ (12" SE)*14.66* IE=~~14.63~~ *14.66* (12" NW)
CB#6, TYPE 1, W/STANDARD GRATE RIM = 17.94 IE=14.41 (12" SE) IE=14.41 (15" SW)
CB#7, TYPE 1, W/STANDARD GRATE RIM = ~~17.65~~ *17.62* IE=14.29 (15" NE) IE=14.29 (15" SW)
CB#8, TYPE 2-48" W/ STANDARD GRATE RIM = ~~17.73~~ *17.66* IE=14.04 (15" NE) IE=14.04 (15" W)
CB#9, TYPE 2-48" W/ STANDARD GRATE RIM = ~~17.88~~ *17.82* IE=13.80 (15" E) IE=13.80 (15" SW)
CB#10, TYPE 2-48" W/ STANDARD GRATE RIM = ~~17.07~~ *16.96* IE=~~13.63~~ (15" NE)*13.49* IE=~~13.63~~ *13.49* (16" W)
CB#11, TYPE 1, W/STANDARD GRATE RIM = ~~14.54~~ *14.47* IE=12.75 (8" NW)
CB#12, TYPE 1, W/STANDARD GRATE RIM = ~~15.30~~ *15.18* IE=~~12.69~~ (8" SE)*12.53* IE=~~12.69~~ *12.53* (12" N)

SD STRUCTURE TABLE
CB#13, TYPE 2-48", W/STANDARD GRATE RIM = 15.61 IE=12.58 (12" S) IE=12.52 (16" E) IE=12.52 (18" NW)
CB#14, TYPE 2-48" W/ STANDARD GRATE RIM = ~~15.99~~ *15.75* IE=~~12.28~~ (18" SE)*11.78* IE=12.28 (16" NE) IE=~~12.28~~ *11.78* (18" NW)
CB#15, TYPE 2-48" W/ STANDARD GRATE RIM = ~~16.15~~ *16.01* IE=~~12.04~~ (18" SE)*11.58* IE=~~12.04~~ *11.58* (18" N)
CB#16, TYPE 2-54", W/STANDARD GRATE RIM = ~~16.42~~ *16.30* IE=11.80 (18" S) IE=11.80 (18" NW)
CB#17, TYPE 2-54", W/STANDARD GRATE RIM = ~~16.72~~ *16.58* IE=~~11.56~~ (18" SE)*11.06* IE=~~11.56~~ *11.06* (18" NW)
CB#18, TYPE 2-60", W/STANDARD GRATE RIM = ~~17.26~~ *17.34* IE=11.37 (18" SE) IE=~~11.37~~ (24" SW)*10.83* IE=~~11.37~~ (24" NW)*10.83*
CB#19, TYPE 2-54", W/STANDARD GRATE RIM = ~~17.01~~ *16.96* IE=~~11.17~~ (24" SE)*10.63* IE=~~11.17~~ *10.63* (24" N)
CB#20, TYPE 2-54", W/STANDARD GRATE RIM = ~~17.07~~ *16.96* IE=~~10.91~~ (24" S)*10.37* IE=~~10.91~~ (24" E)*10.37* IE=~~10.91~~ (24" N)*10.37*
CB#21, TYPE 2-60", W/STANDARD GRATE RIM = ~~17.19~~ *16.98* IE=~~10.67~~ (15" NW)*10.13* IE=~~10.67~~ (24" S)*10.13* IE=~~10.67~~ (24" NE)*10.13*
CB#22, TYPE 2 48", W/STANDARD GRATE RIM = ~~17.47~~ *17.19* IE=~~10.83~~ *10.37 (12")* IE=~~10.83~~ (15" SE) *10.37 (12")*
CB#23, TYPE 2-92" W/ SOLID LOCKING LID RIM = ~~19.05~~ *19.68* IE=~~7.49~~ (18" SW) *6.66* IE=~~7.49~~ (30" E) *6.66*
CB#24, TYPE 2-54" W/ STANDARD GRATE RIM = ~~18.35~~ *18.32* IE=~~7.71~~ (30" S) *6.97* IE=~~7.71~~ (30" W) *6.97*
CB#25, TYPE 1 W/ STANDARD GRATE RIM = ~~13.44~~ *13.32* IE=~~12.09~~ (8" SE)*11.92*
CB#26, TYPE 1, W/STANDARD GRATE RIM = ~~13.44~~ *13.32* IE=~~12.09~~ (8" NW)*11.92* IE=~~12.09~~ (8" SE)*11.92*
CB#27, TYPE 1, W/STANDARD GRATE RIM = ~~13.44~~ *13.25* IE=~~12.09~~ (8" NW)*11.92* IE=~~12.09~~ (8" SE)*11.92*

SD STRUCTURE TABLE
CB#28, TYPE 1, W/STANDARD GRATE RIM = ~~13.44~~ *13.56* IE=~~12.09~~ (8" NW)*11.95* IE=~~12.09~~ (8" SW)*11.95*
CB#29, TYPE 1, W/STANDARD GRATE RIM = ~~14.05~~ *13.98* IE=~~12.66~~ (8" SE) *12.48*
CB#30, TYPE 1, W/STANDARD GRATE RIM = ~~14.00~~ *13.97* IE=~~12.56~~ (8" NW)*12.38* IE=~~12.56~~ (8" SE)*12.38*
CB#31, TYPE 1, W/STANDARD GRATE RIM = ~~13.80~~ *13.67* IE=~~12.33~~ (8" NW)*12.14* IE=~~12.33~~ (12" SE)*12.14*
CB#32, TYPE 1, W/STANDARD GRATE RIM = ~~13.95~~ *13.82* IE=~~12.09~~ (12" NW)*11.90* IE=~~12.09~~ (8" NE)*11.95* IE=~~12.09~~ (12" SE) *11.90*
CB#34, TYPE 1, W/STANDARD GRATE RIM = ~~17.25~~ *17.18* IE=~~13.95~~ (6" NE)*13.98* IE=~~13.95~~ (12" SW)*13.90*
CB#35, TYPE 1, W/STANDARD GRATE RIM = ~~17.25~~ *17.17* IE=~~13.75~~ (12" NE)*13.65* IE=~~13.75~~ (12" SW) *13.65*
CB#36, TYPE 1, W/STANDARD GRATE RIM = ~~17.62~~ *17.53* IE=~~13.55~~ (12" NE)*13.41* IE=~~13.55~~ (12" SW)*13.41*
CB#37, TYPE 1, W/STANDARD GRATE RIM = ~~15.45~~ *15.31* IE=~~13.39~~ (12" NE)*13.15* IE=~~13.39~~ (12" NW) *13.15*
CB#38, TYPE 1L, W/STANDARD GRATE RIM = ~~14.30~~ *14.41* IE=~~12.01~~ (12" NW)*11.81* IE=~~12.31~~ (12" SE)*12.25* IE=~~12.31~~ (12" SW) *12.25*
CB#39, TYPE 2-48", W/STANDARD GRATE RIM = ~~15.65~~ *15.50* IE=~~12.03~~ (12" NE)*11.97* IE=~~12.03~~ (18" SW) *11.97*
CB#40, TYPE 2-54", W/STANDARD GRATE RIM = ~~15.66~~ *15.53* IE=~~11.73~~ (18" NE)*11.70* IE=~~11.73~~ (18" SW) *11.70*
CB#41, TYPE 2-54", W/STANDARD GRATE RIM = ~~15.75~~ *15.62* IE=~~11.53~~ (18" NE)*11.44* IE=~~11.53~~ (18" W)*11.44*
CB#42, TYPE 2-54", W/STANDARD GRATE RIM = ~~15.89~~ *15.75* IE=~~11.33~~ (18" E) *11.14* IE=~~11.33~~ (18" NW) *11.14*
CB#43, TYPE 2-54" W/ STANDARD GRATE RIM = ~~14.29~~ *16.64* IE=~~10.96~~ (18" SE)*10.84* IE=~~10.96~~ (18" W)*10.84*

SD STRUCTURE TABLE
CB#44, TYPE 2-54" W/ STANDARD GRATE RIM = ~~16.64~~ *16.95* IE=~~12.06~~ (12" SE)*11.71* IE=~~9.91~~ (18" E) *9.79* IE=9.91 (24" NW) *9.79*
CB#45, TYPE 2-54" W/ STANDARD GRATE RIM = 18.09 IE=9.66 (24" SE) IE=9.66 (24" NW)
CB#46, TYPE 2-54" W/ STANDARD GRATE RIM = ~~17.77~~ *16.89* IE=~~9.42~~ (24" SE) *9.24* IE=~~9.42~~ (30" NW) *9.24*
CB#47, TYPE 2-54" W/ STANDARD GRATE RIM = ~~18.13~~ *17.46* IE=~~9.18~~ (30" SE) *9.17* IE=~~9.18~~ (30" NW) *9.17*
CB#48, TYPE 2-54" W/ STANDARD GRATE RIM = ~~18.00~~ *16.89* IE=~~8.94~~ (30" SE) *9.24* IE=~~8.94~~ (30" N) *9.24*
CB#50, TYPE 2-92" W/ SOLID LOCKING LID RIM = ~~17.83~~ *17.35* IE=~~8.22~~ (30" S) *7.82* IE=~~8.22~~ (30" NW)*7.82* IE=~~8.22~~ (18" SW) *7.82*
CB#51, TYPE 1, W/STANDARD GRATE RIM = ~~14.75~~ *14.65* IE=~~11.74~~ (12" W)*11.61*
CB#52, TYPE 2-72" W/ STANDARD GRATE RIM = ~~15.25~~*15.30* IE=~~9.82~~ (12" E) *9.69* IE=~~9.82~~ (24" SE)*9.69* IE=~~9.82~~ (24" W) *9.69*
CB#53, TYPE 2-48" W/ STANDARD GRATE RIM = ~~14.68~~*14.06* IE=~~9.44~~ (24" E) *9.35* IE=~~9.44~~ (24" SE)*9.35* IE=~~9.44~~ (24" SW) *9.35*
CB#54, TYPE 2-48" W/ STANDARD GRATE RIM = ~~14.67~~*14.35* IE=~~9.06~~ (24" NE)*8.92* IE=~~9.06~~ (24" W) *8.92*
CB#55, TYPE 2-48" W/ STANDARD GRATE RIM = ~~14.75~~*14.61* IE=~~8.68~~ (24" E)*8.52* IE=~~8.68~~ (12" S) *8.52* IE=~~8.68~~ (24" W) *8.52*
CB#57, TYPE 2-72" W/ SOLID LOCKING LID RIM = ~~17.86~~*18.23* IE=~~6.02~~ (15" E) *5.39* IE=~~6.02~~ (24" NW)*5.39*
CB#58, TYPE 1, W/STANDARD GRATE RIM = ~~15.90~~*15.76* IE=~~13.00~~ (12" SW) *12.88*
CB#59, TYPE 1, W/STANDARD GRATE RIM = ~~15.75~~*15.63* IE=~~12.61~~ (12" NE)*12.69* IE=~~12.61~~ (12" W)*12.69*
CB#60, TYPE 1, W/STANDARD GRATE RIM = ~~15.70~~ *15.60* IE=~~12.59~~ (12" E)*12.46* IE=~~12.59~~ (12" SW) *12.46*

SD STRUCTURE TABLE
CB#61, TYPE 1, W/STANDARD GRATE RIM = ~~15.85~~ *15.77* IE=~~12.35~~ (12" NE)*12.22* IE=~~12.35~~ (12" W)*12.22*
CB#62, TYPE 1, W/STANDARD GRATE RIM = ~~16.14~~ *16.68* IE=~~12.13~~ (12" E)*11.96* IE=~~12.13~~ (12" NW)*11.96*
CB#66, TYPE 1, W/STANDARD GRATE RIM = 14.86 IE=9.54 (12" E)
CB#67, TYPE 1, W/STANDARD GRATE RIM = ~~14.72~~ *14.54* IE=9.48 (12" W) IE=9.48 (12" NW)
CB#68, TYPE 2-72" W/ STANDARD GRATE RIM = ~~18.35~~*18.98* IE=~~8.20~~ (30" N) *7.87* IE=~~14.20~~ (30" S)*14.32* ~~IE=7.90 (30" E)~~
CB#69, TYPE 2-54" W/ STANDARD GRATE RIM = ~~17.49~~*16.59* IE=~~8.23~~ (30" S) *7.80* IE=~~8.23~~ (30" N) *7.80*
CB#70, TYPE 2-54" W/ STANDARD GRATE RIM = ~~17.49~~*18.34* IE=~~8.03~~ (30" S) *7.62* IE=~~8.03~~ (30" N) *7.62*
CB#71, TYPE 2-54" W/ STANDARD GRATE RIM = ~~18.25~~ *18.20* IE=~~7.83~~ (30" S) *7.40* IE=~~7.83~~ (30" N) *7.40*
CB#73, TYPE 1, W/STANDARD GRATE RIM = 14.78 IE=8.76 (12" E)
CB#74, TYPE 1, W/STANDARD GRATE RIM = ~~14.79~~ *14.59* IE=~~8.71 (12" W)~~ *10.53 (12" E)* IE=~~8.71~~ (12" N) *10.47*
SDCO#1, RIM = 15.38 IE=10.36 (12" SE) IE=10.36 (12" E) IE=10.36 (12" W)
SDCO#2, RIM = 18.94 IE=10.51 (12" NW) IE=10.51 (12" W)
SDCO#3, RIM = 18.94 IE=11.80 (12" SW) IE=11.80 (12" SE)
SDCO#4, RIM = 16.31 IE=14.00 (12" NW) IE=14.00 (12" NE)
SDCO#5, RIM = 18.68 IE=16.69 (12" SE)

SD STRUCTURE TABLE
SDCO#7, RIM = 18.90 IE=16.81 (12" NW)
SDCO#9, RIM = 18.93 IE=15.03 (12" N) IE=15.03 (12" S) IE=15.03 (12" E)
SDCO#10, RIM = 18.93 IE=16.63 (12" N)
SDCO#12, RIM = 18.93 IE=15.16 (12" NW) IE=15.16 (12" S)
SDCO#13, RIM = 18.93 IE=16.68 (12" SE)

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: STRUCTURE TABLE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1" — Vertical —

Designed JEP | Drawn JEP | Checked JEP | Approved DKB | Date 1/7/22

Scale:1" = 1' | JPULLICINO | Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

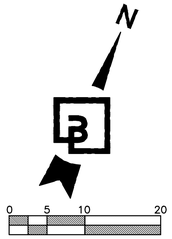
Job Number 18182 | Sheet C13 of 46

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ADA ENLARGEMENTS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



PROPOSED SITE PAVEMENT LEGEND

- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

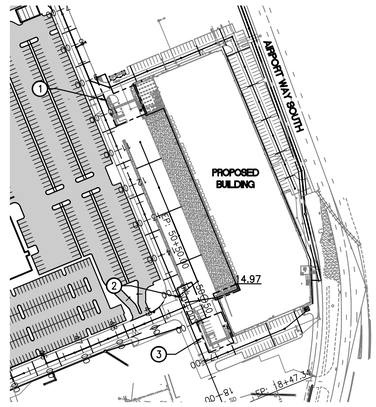
SPECIAL NOTES:

1. ALL CONC. CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL #13 ON SHEET C37).
2. ALL CATCH BASINS, INLETS SHALL BE MARKED AS FOLLOWS: "DUMP NO WASTE, DRAINS TO STREAM." OR "DUMP NO WASTE, DRAINS TO SOUND".

   THE CITY WILL PROVIDE STICKERS TO THE CONTRACTOR FOR INSTALLATION.
3. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
4. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.

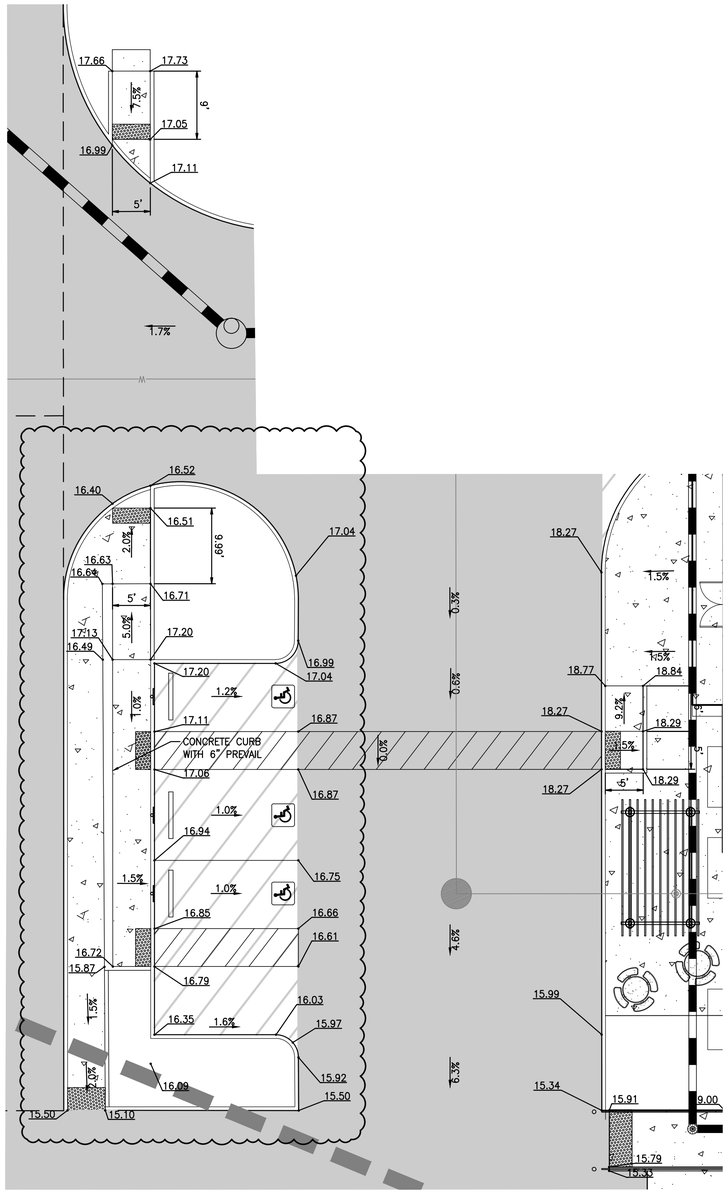
NOTES:

1. ALL ADA FEATURES TO BE INSTALLED IN ACCORDANCE WITH ADA DETAILS, SEE SHEET C38.



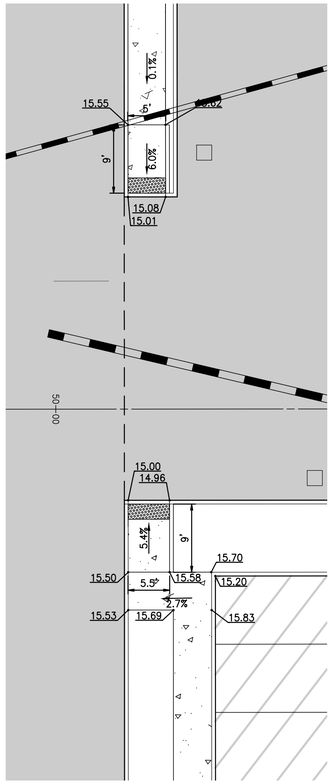
OVERALL SITE

SCALE: 1"=200'



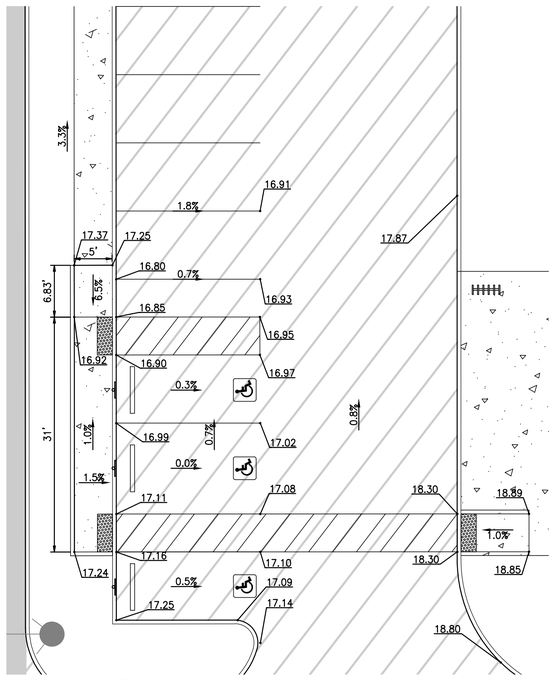
ADA ENLARGEMENT #1

1" = 10'



ADA ENLARGEMENT #2

1" = 10'



ADA ENLARGEMENT #3

1" = 10'

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ADA ENLARGEMENTS FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal AS NOTED; Vertical –

Designed JEP | Drawn JEP | Checked JEP | Approved DKB | Date 1/7/22

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18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182 | Sheet C14 of 46

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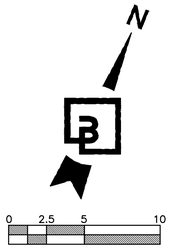
ADA ENLARGEMENTS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

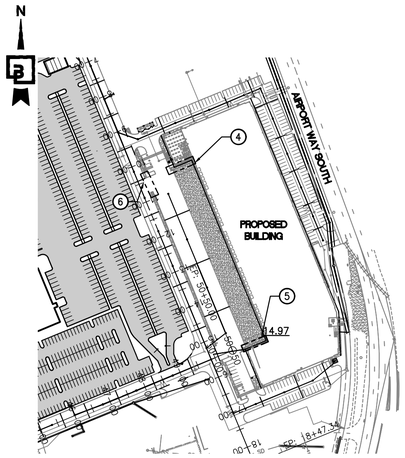
PROPOSED SITE PAVEMENT LEGEND
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

SPECIAL NOTES:
1. ALL CONC. CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL #13 ON SHEET C37).
2. ALL CATCH BASINS, INLETS SHALL BE MARKED AS FOLLOWS: "DUMP NO WASTE, DRAINS TO STREAM." OR "DUMP NO WASTE, DRAINS TO SOUND".

   THE CITY WILL PROVIDE STICKERS TO THE CONTRACTOR FOR INSTALLATION.
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4. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.

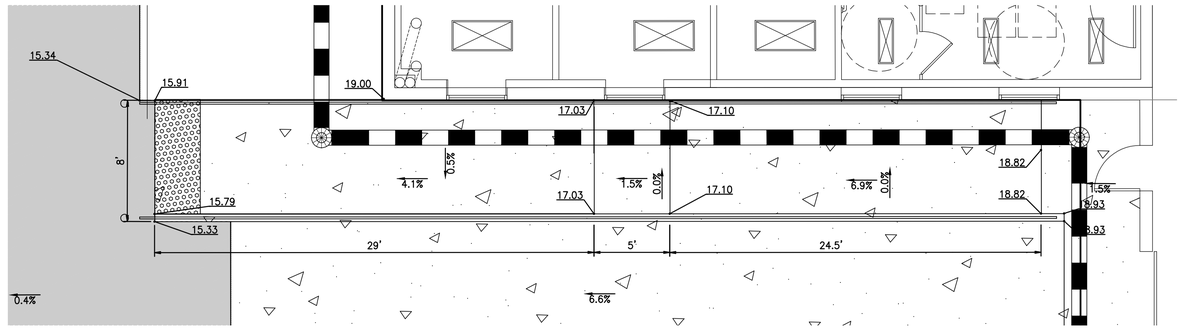
NOTES:
1. ALL ADA FEATURES TO BE INSTALLED IN ACCORDANCE WITH ADA DETAILS, SEE SHEET C38.





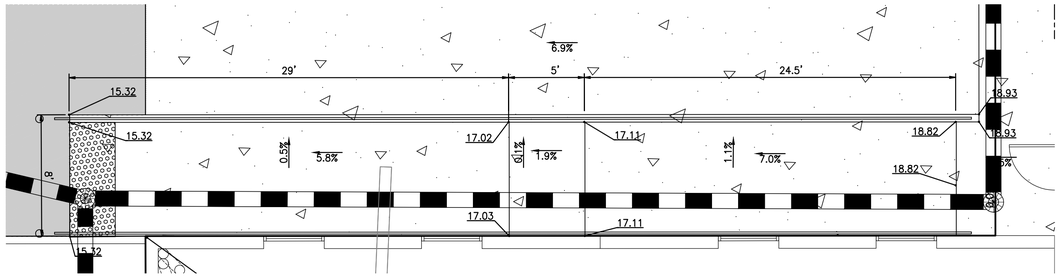
OVERALL SITE

SCALE: 1"=200'



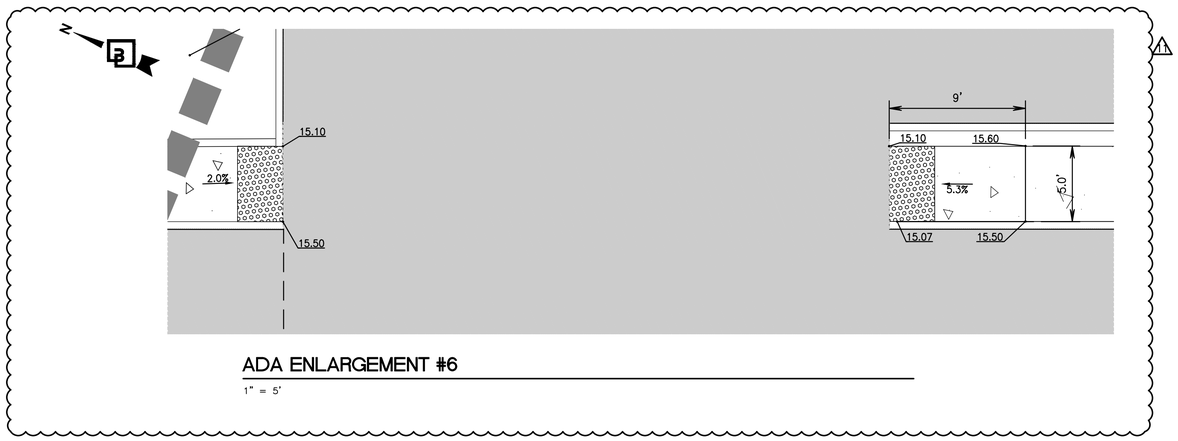
ADA ENLARGEMENT #4

1" = 5'



ADA ENLARGEMENT #5

1" = 5'



ADA ENLARGEMENT #6

1" = 5'

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ADA ENLARGEMENTS FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=5' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

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Kent, WA 98032
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Job Number 18182

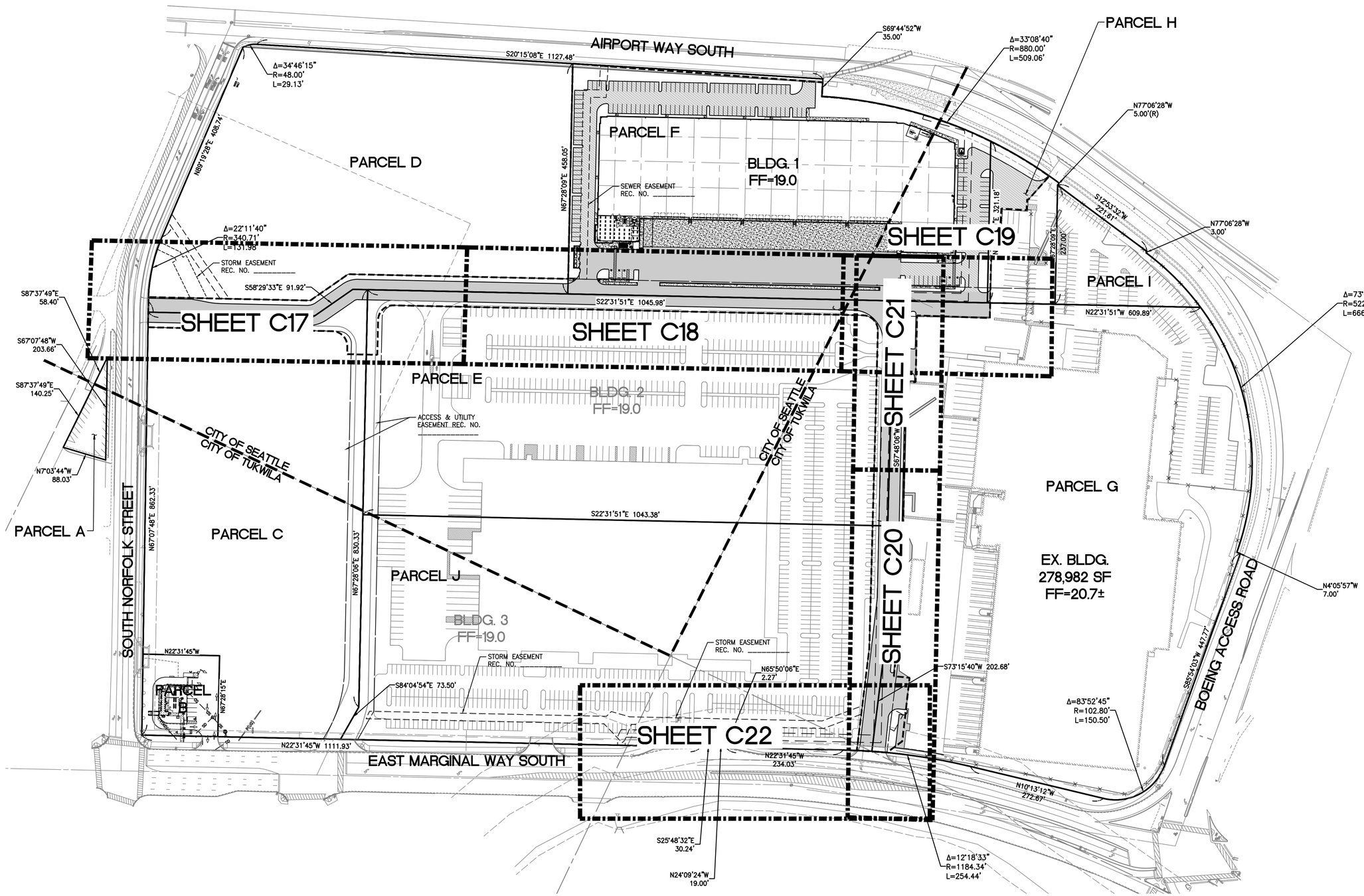
Sheet C15 of 46

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811 Know what's **below.** **Call** before you dig.

0 50 100 200

ACCESS ROAD SHEET INDEX
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING



No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD SHEET INDEX FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=100' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

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Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 18182 Sheet C16 of 46

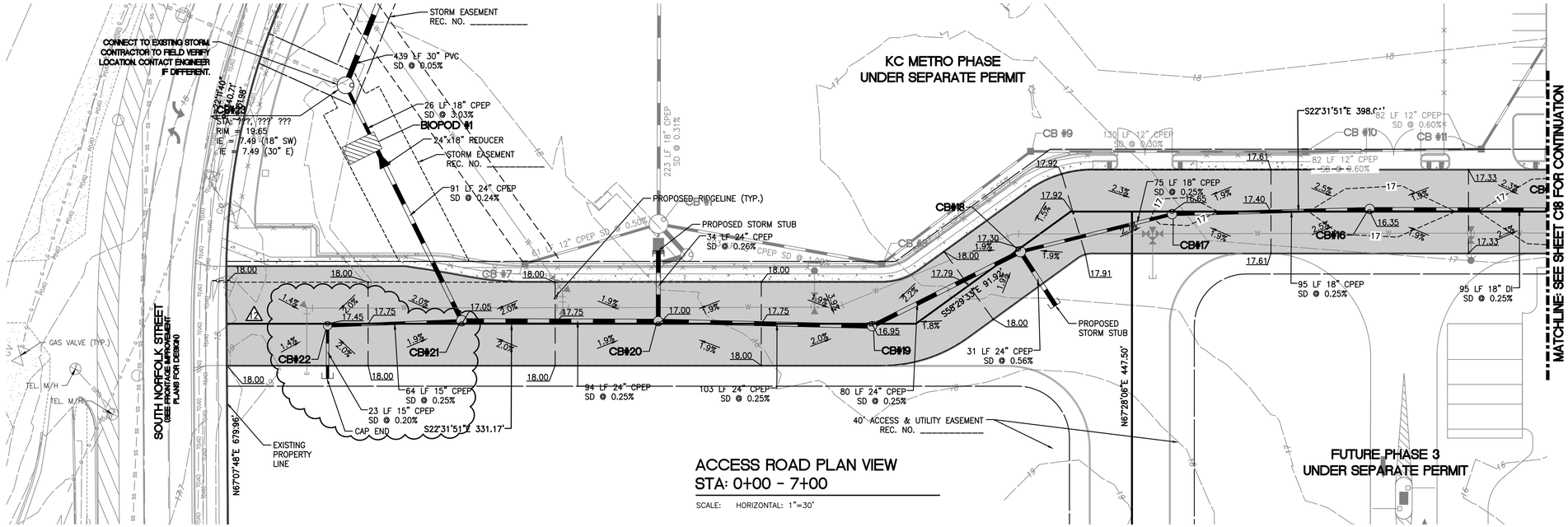
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ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

HORIZONTAL: 1"=30'
0 15 30 60

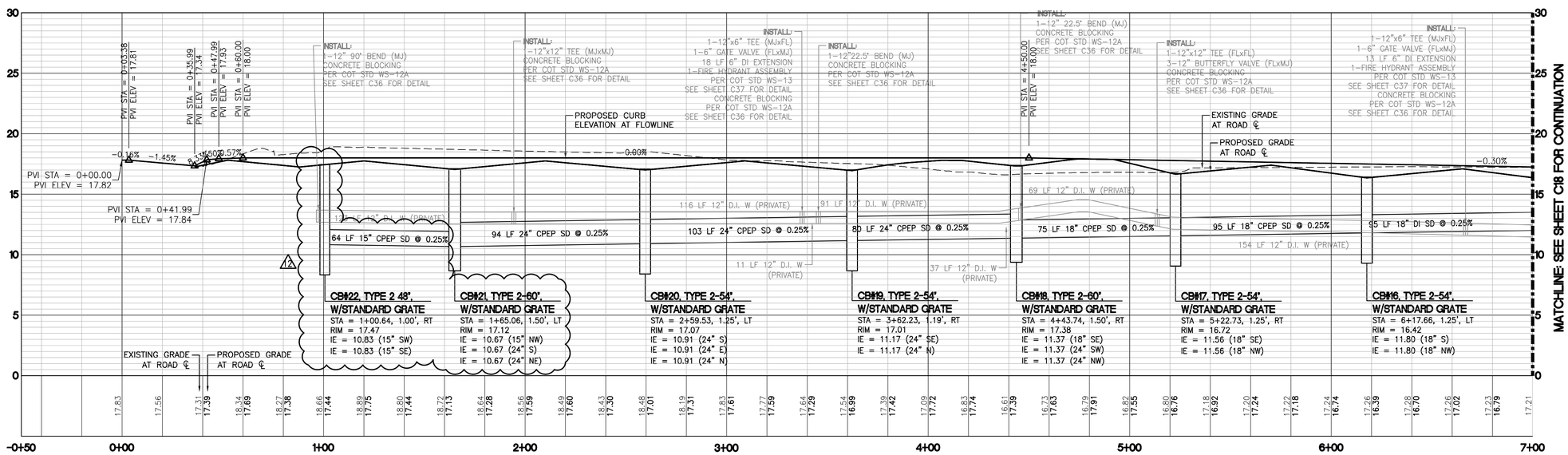
VERTICAL: 1"=5'
0 2.5 5 10

PROPOSED SITE PAVEMENT LEGEND
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38



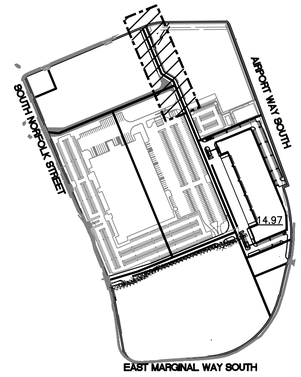
ACCESS ROAD PLAN VIEW
STA: 0+00 - 7+00

SCALE: HORIZONTAL: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 0+00 - 7+00

SCALE: H:1"=30' V:1"=5'



OVERALL SITE
NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C33.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C33.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C33.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C33.
5. CATCH BASINS #49, #56, AND #63 TO BE INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET C34.
6. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C34.
7. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C34.
8. "NO DUMPING DRAINS TO RIVER" DRAIN MARKER BY ALMETEK TO BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS. SEE DETAIL SHEET C37. CITY TO PROVIDE MARKERS TO CONTRACTOR.
9. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
10. SEE SHEET C13 FOR STRUCTURE TABLES.
11. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C37.
12. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C37.
13. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C37.
14. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C37).
15. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
16. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
17. SEE SHEET C32 FOR CONSTRUCTION STORMWATER CONTROL (CSC) GENERAL NOTES.
18. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE, SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER — 1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'
Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22
Xref: ~~~~ JPULLICINO Scale:1" = 1"

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18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C17 of 46

File:P:\18000s\18182\asbuilt\Phase 1 Civil\18182-GM2-PH1.dwg Date/Time:1/3/2022 10:03 AM

ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

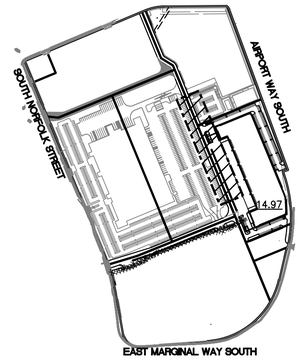
RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND

- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

HORIZONTAL: 1"=30'
0 15 30 60

VERTICAL: 1"=5'
0 2.5 5 10

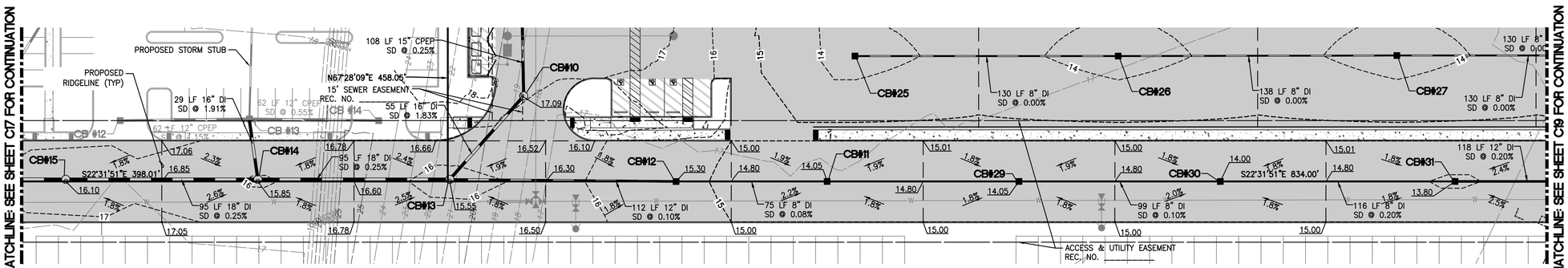


OVERALL SITE
NTS

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

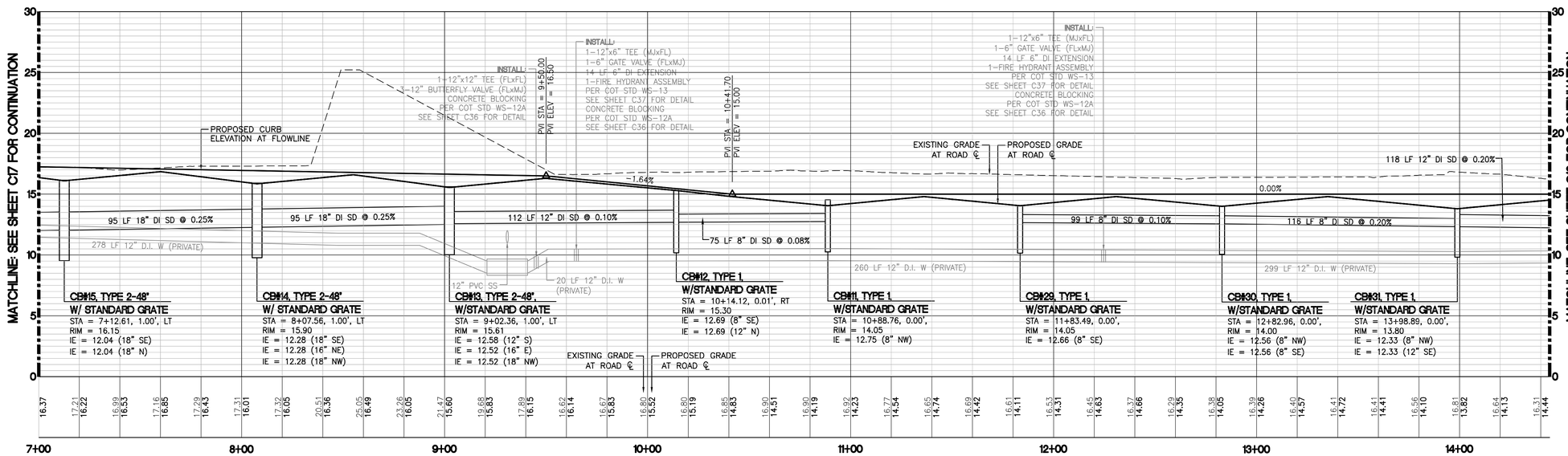
Title: ACCESS ROAD PLAN AND PROFILE FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168



ACCESS ROAD PLAN VIEW
STA: 7+00 - 14+50

SCALE: H: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 7+00 - 14+50

SCALE: H:1"=30' V:1"=5'

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C33.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C33.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C33.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C33.
5. CATCH BASINS #49, #56, AND #63 TO BE INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET C34.
6. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C34.
7. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C34.
8. "NO DUMPING DRAINS TO RIVER" DRAIN MARKER BY ALMETEK TO BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS. SEE DETAIL SHEET C37. CITY TO PROVIDE MARKERS TO CONTRACTOR.
9. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
10. SEE SHEET C13 FOR STRUCTURE TABLES.
11. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C37.
12. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C37.
13. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C37.
14. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C37).
15. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
16. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
17. SEE SHEET C32 FOR CONSTRUCTION STORMWATER CONTROL (CSC) GENERAL NOTES.
18. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE.

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22 Scale:1" = 1' JPULLICINO Xref: ----

Barghausen Consulting Engineers, Inc.
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Job Number 18182
Sheet C18 of 46

File:P:\18000s\18182\cstbuilt\Phase 1 Civil\18182-CM2-PH1.dwg Date/Time:1/5/2022 10:03 AM

ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

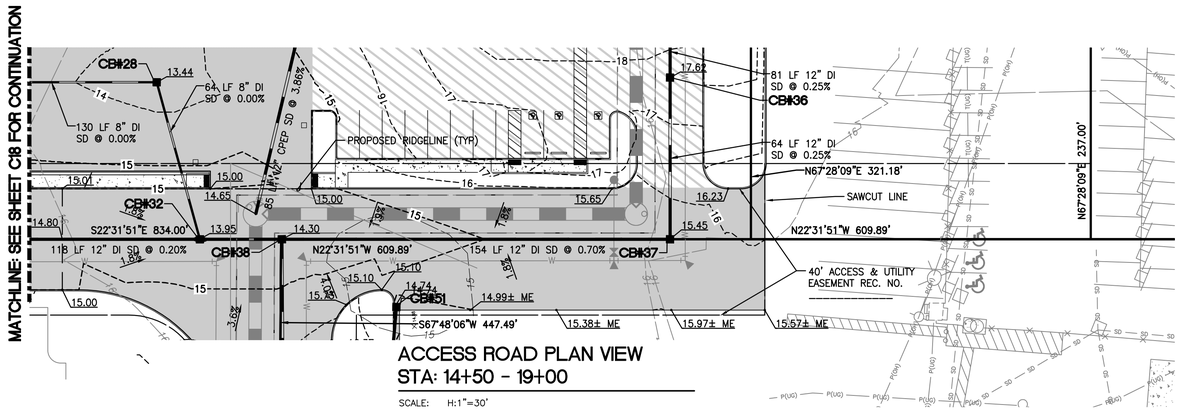
RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND

- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

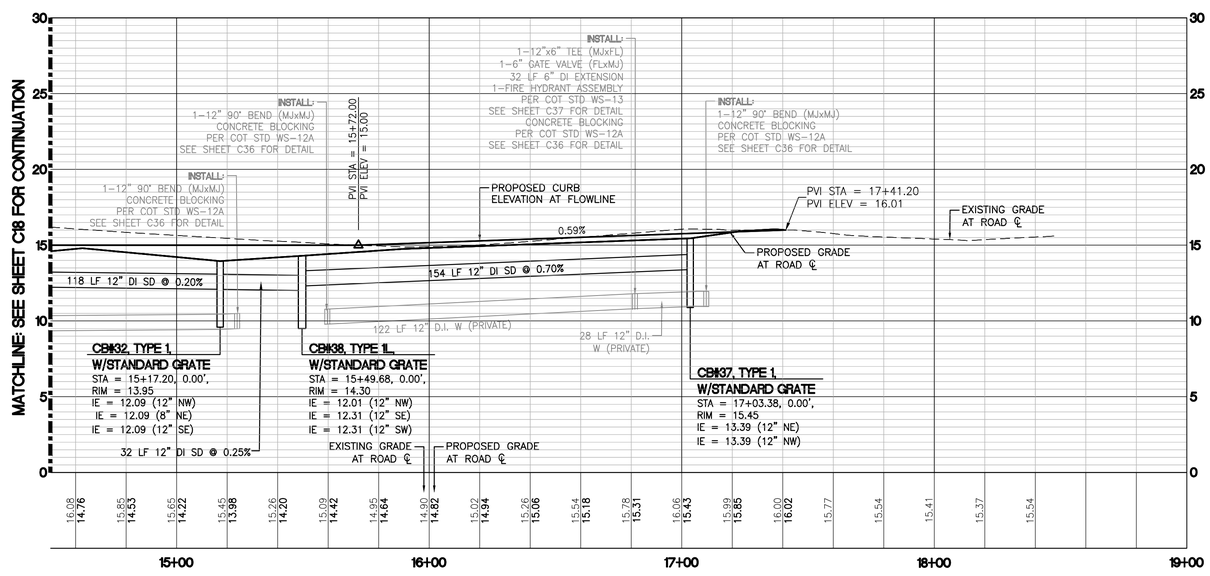
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VERTICAL: 1"=5'
0 2.5 5 10



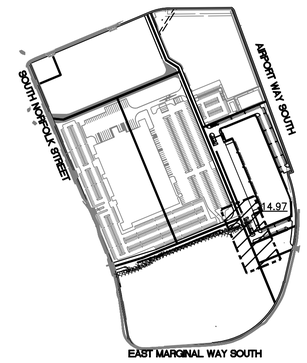
ACCESS ROAD PLAN VIEW
STA: 14+50 - 19+00

SCALE: H:1"=30'



ACCESS ROAD PROFILE VIEW
STA: 14+50 - 19+00

SCALE: H:1"=30' V:1"=5'



OVERALL SITE

NTS

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No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD PLAN AND PROFILE FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

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barghausen.com

Job Number 18182

Sheet C19 of 46

ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

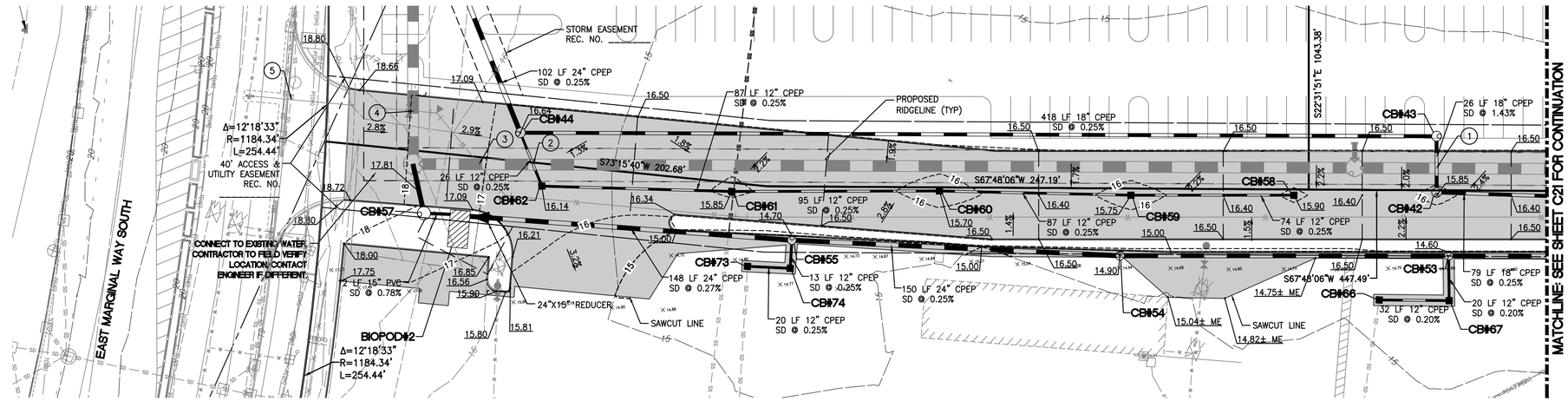
RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND

- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

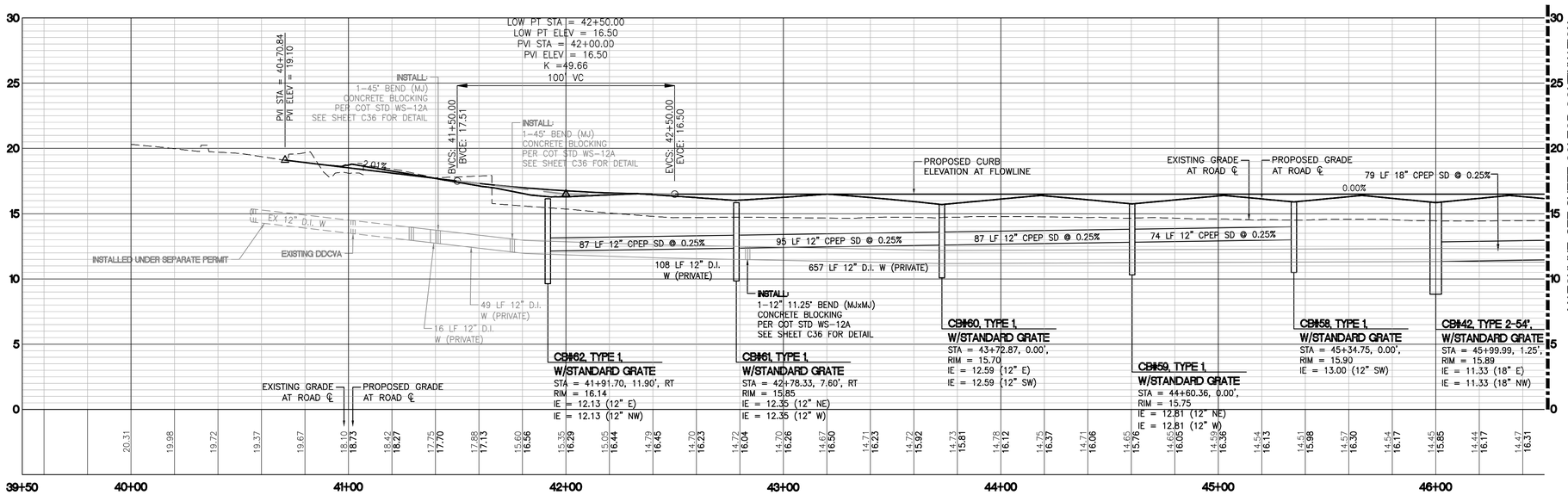
HORIZONTAL: 1"=30'
0 15 30 60

VERTICAL: 1"=5'
0 2.5 5 10



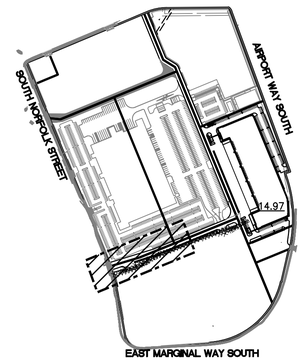
ACCESS ROAD PLAN VIEW
STA: 40+00 - 46+50

SCALE: H: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 40+00 - 46+50

SCALE: H: 1"=30'



OVERALL SITE

NTS

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18. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE.

UTILITY CROSSINGS

1. IE = 11.15 (18" CPEP SD)
   T/P = 10.76 (EX. 60" CPEP SD)
   Δ = 0.39
2. IE = 12.09 (12" CPEP SD)
   T/P = 10.33 (EX. 60" CPEP SD)
   Δ = 1.76
3. IE = 11.54 (12" D.I. WATER)
   T/P = 10.37 (EX. 60" CPEP SD)
   Δ = 1.17
4. IE = 13.08 (12" D.I. WATER)
   T/P = 10.23 (EX. 60" CPEP SD)
   Δ = 2.85
5. IE = 10.59 (EX. 42" PVC SS)
   T/P = 9.99 (EX. 60" CPEP SD)
   Δ = 0.60

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD PLAN AND PROFILE FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE, SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale:	Horizontal	1"=30'	Vertical	1"=5'
Designed	JEP	Drawn	JEP	
Checked	JEP	Approved	DKB	
Date	1/7/22			

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
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barghausen.com

Job Number 18182

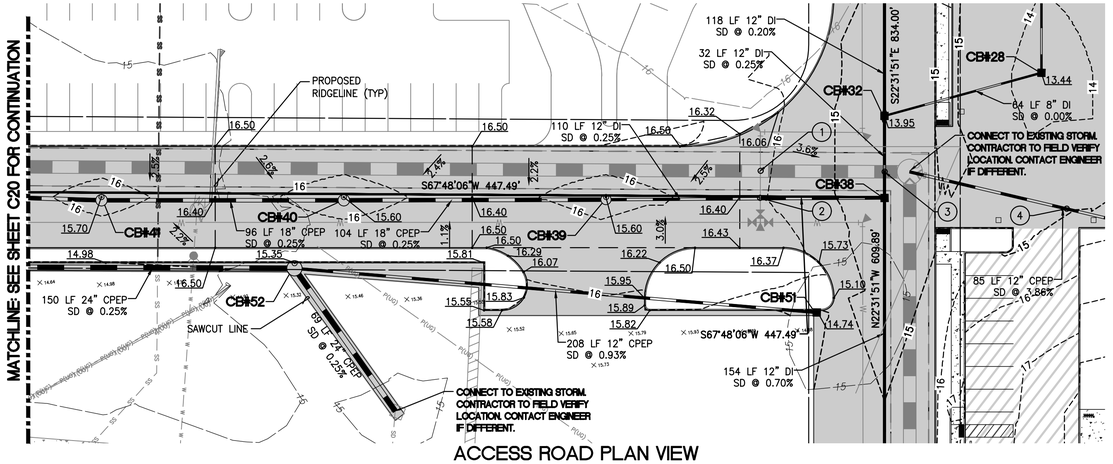
Sheet C20 of 46

ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C38
- CONCRETE PAVEMENT SEE DETAIL SHEET C38

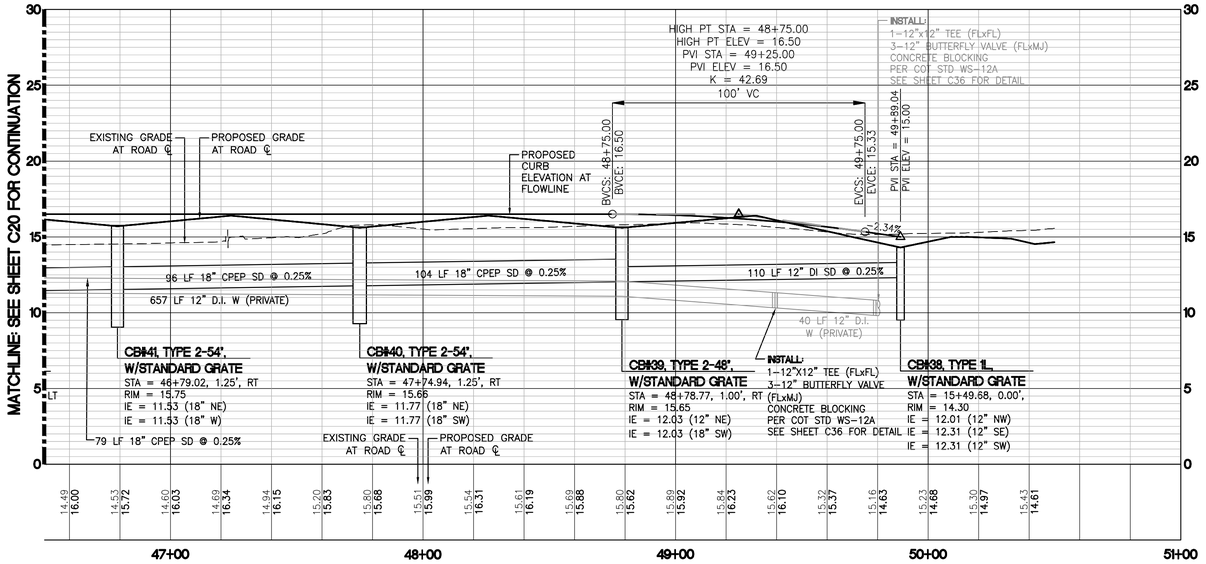
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VERTICAL: 1"=5'
0 2.5 5 10



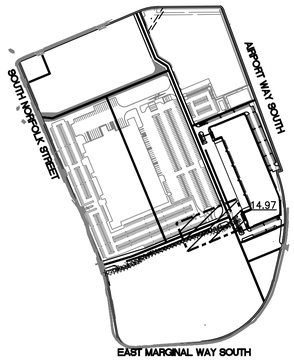
ACCESS ROAD PLAN VIEW
STA: 46+50 - 51+00

SCALE: H:1"=30'



ACCESS ROAD PROFILE VIEW
STA: 46+50 - 51+00

SCALE: H:1"=30' V:1"=5'



OVERALL SITE
NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C33.
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UTILITY CROSSINGS

1. IE = 11.66 (12" D.I. WATER)
   T/P = 11.10 (60" CPEP SD)
   Δ = 0.56
2. IE = 12.19 (12" D.I. SD)
   T/P = 11.31 (12" D.I. WATER)
   Δ = 0.88
3. IE = 12.04 (12" D.I. SD)
   T/P = 11.14 (EX. 60" CPEP SD)
   Δ = 0.90
4. IE = 12.39 (12" CPEP SD)
   T/P = 12.08 (12" D.I. WATER)
   Δ = 0.31

No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
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Job Number 18182

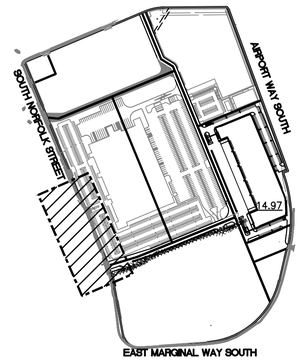
Sheet C21 of 46

ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

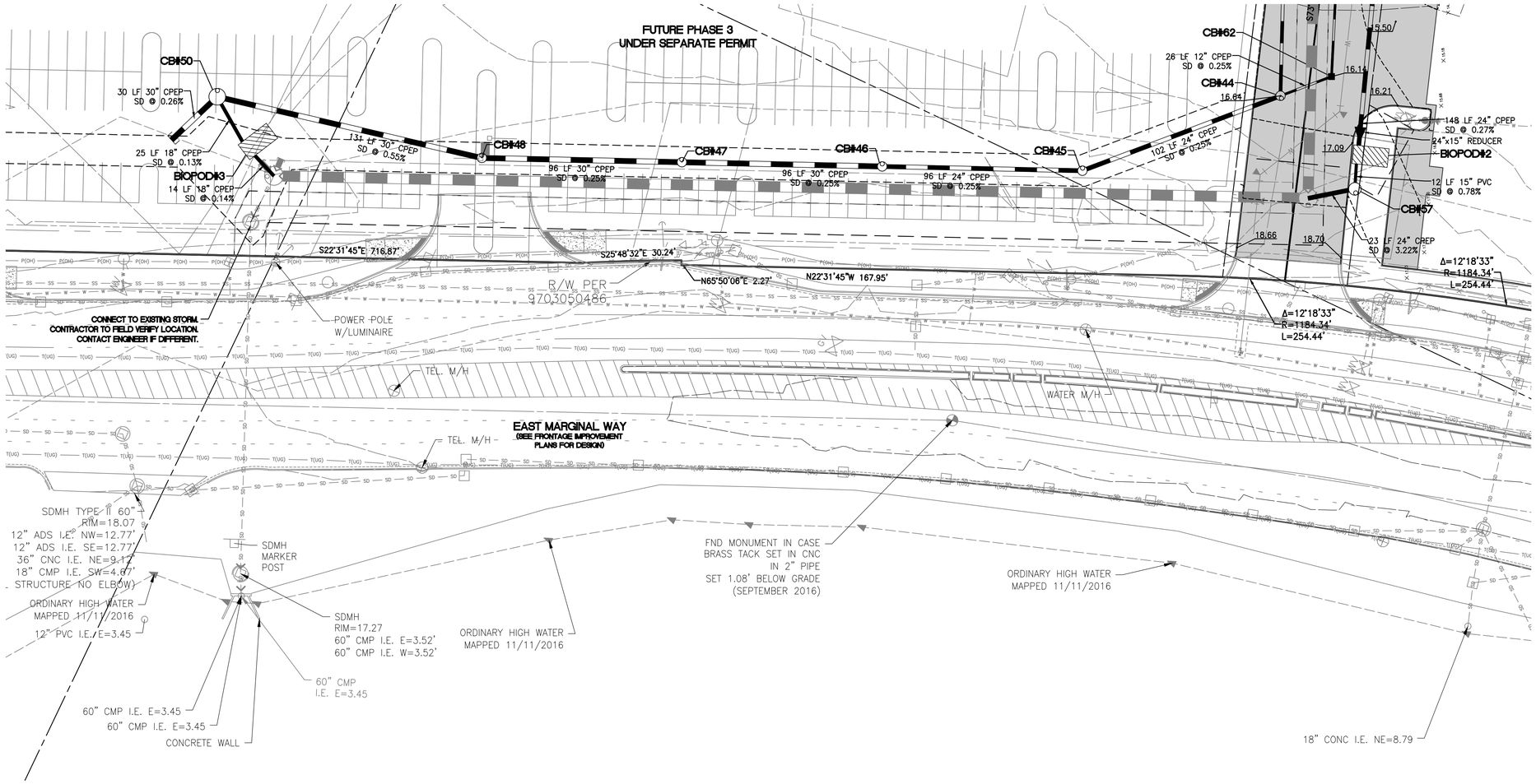
RECORD DRAWING

0 15 30 60



OVERALL SITE

NTS



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18. SEE SHEET C20 FOR UTILITY CROSSING INFORMATION
19. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C38 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE.

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD PLAN AND PROFILE
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 18182

Sheet C22 of 46

811 Know what's **below.** **Call** before you dig.

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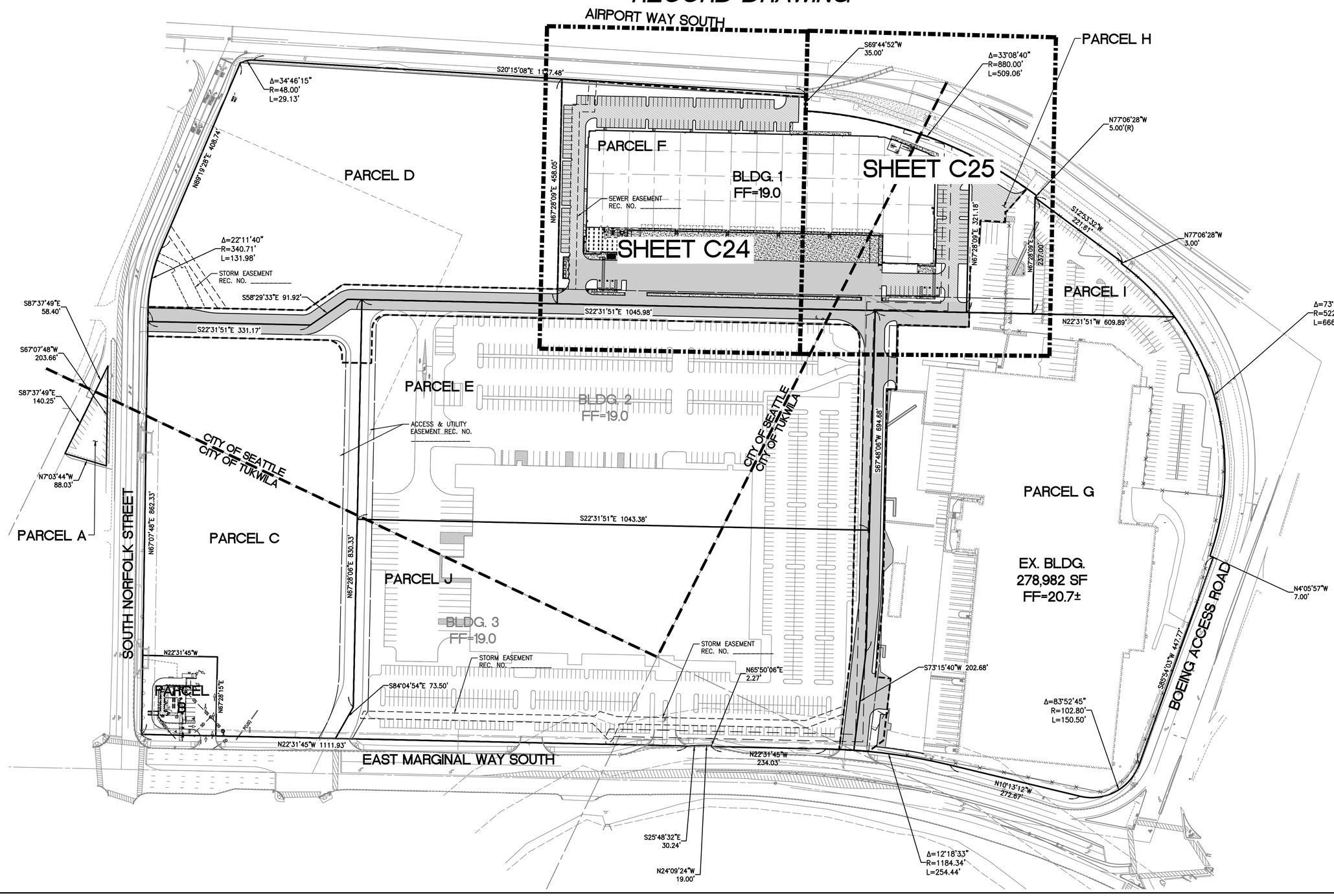
WATER AND SANITARY SEWER SHEET INDEX

FOR

PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title:
WATER AND SANITARY SEWER SHEET INDEX
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER — 1/7/2022

Scale: Horizontal 1"=100' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

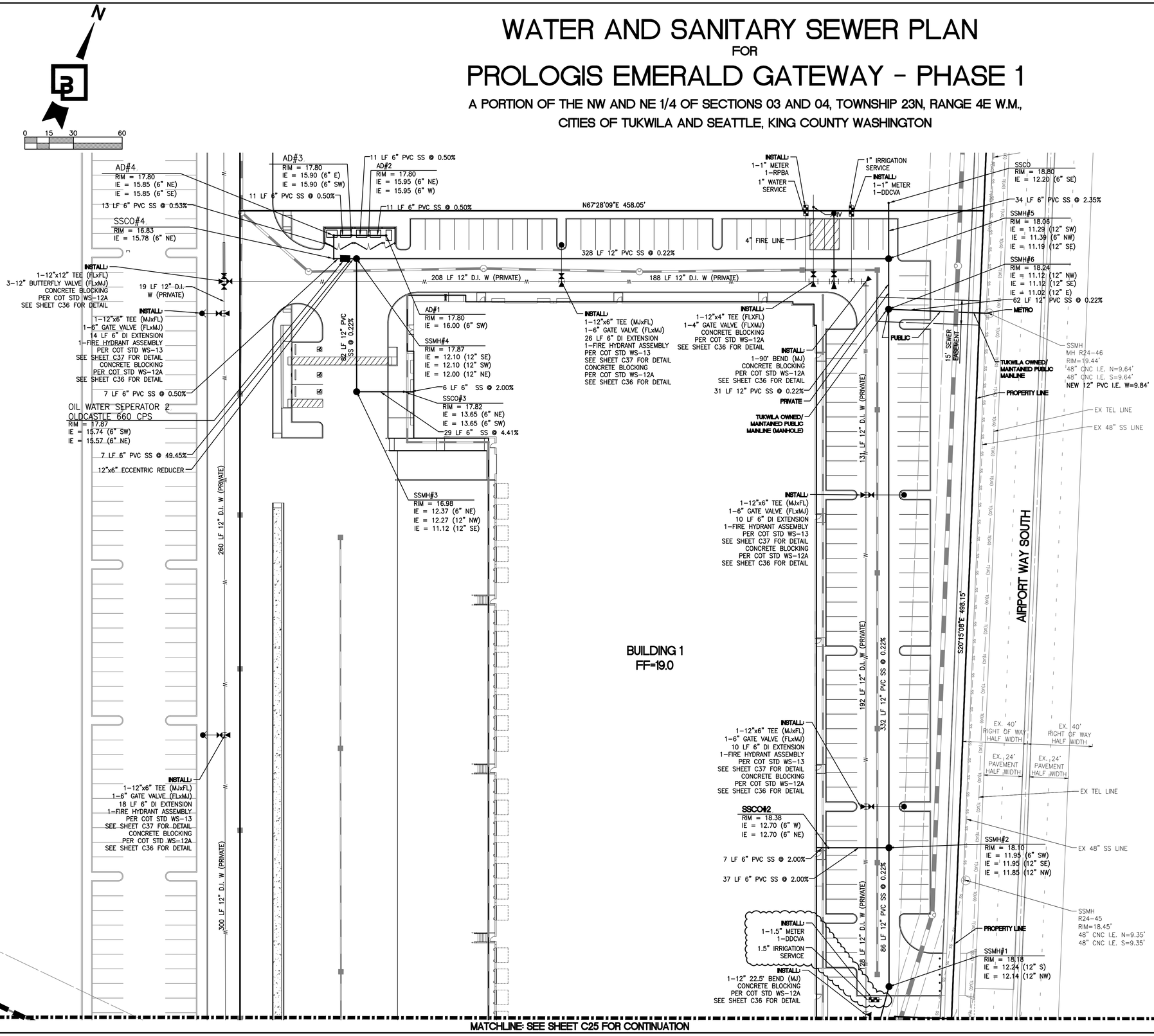
Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

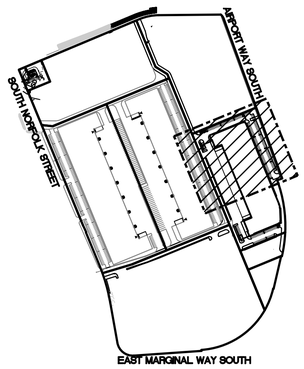
Job Number 18182

Sheet C23 of 46

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WATER AND SANITARY SEWER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON





OVERALL SITE
NTS

NOTES:

1. WATER METERS AND METER SETTER TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS WS-01, WS-02, AND WS-04. SEE DETAILS SHEET C36.
2. WATER MAIN VALVE BOX WITH OPERATING NUT EXTENSION TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL WS-06. SEE DETAIL SHEET C36.
3. CONCRETE BLOCKING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL WS-10. SEE DETAILS SHEET C36.
4. FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS WS-13 AND WS-14. SEE DETAILS SHEET C36 AND C37.
5. DETECTOR DOUBLE CHECK VALVE AND VAULT TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL WS-15. SEE DETAIL SHEET C36.
6. ALL SANITARY SEWER CLEANOUTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL SS-03. SEE DETAIL SHEET C35.
7. ALL SANITARY SEWER MANHOLES TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL SS-04, SS-08, SS-12, AND SS-13. SEE DETAILS SHEET C35.
8. CITY OWNED SANITARY SEWER MANHOLES TO UTILIZE A 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL SS-11. SEE DETAIL SHEET C35.
9. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C37.
10. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C37.
11. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C37.
12. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C37).
13. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
14. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
15. SEE SHEET C11 FOR UTILITY CROSSING INFORMATION

KING COUNTY WASTEWATER TREATMENT DIVISION NOTES

1. THE LOCAL PUBLIC AGENCY (LPA) PROGRAM MUST BE CONTACTED AT 206-477-5414 OR LPA.TEAM@KINGCOUNTY.GOV AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE PRE-CONSTRUCTION CONFERENCE FOR THIS PROJECT.
2. THE LPA PROGRAM MUST BE CONTACTED AT 206-477-5414 OR LPA.TEAM@KINGCOUNTY.GOV AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION ACTIVITY WITHIN 50 FEET OF THE KING COUNTY SEWER PIPE.
3. KING COUNTY MUST BE PROVIDED WITH THE CONTRACTOR'S CONTACT INFORMATION PRIOR TO START OF CONSTRUCTION.
4. THE PROPOSED CONNECTION TO THE KING COUNTY METRO MAINTENANCE HOLE (MH) R24-46 SHALL BE MADE USING A KOR-N-SEAL CONNECTION INSTALLED PER MANUFACTURER INSTRUCTIONS.
5. KING COUNTY METRO MH R24-46 SHALL BE UNLOADED ALL AROUND OR STRUCTURALLY SUPPORTED DURING CONSTRUCTION TO AVOID UNBALANCED SOILS LOADING.
6. A KING COUNTY REPRESENTATIVE SHALL BE ON SITE AT ALL TIMES DURING EXCAVATION, CORING, AND INSTALLATION OF THE CONNECTION TO MH R24-46.
7. KING COUNTY DOES NOT GUARANTEE PIPE LOCATION, DIAMETER, OR INVERT ELEVATION; THEREFORE, FIELD VERIFICATION IS RECOMMENDED PRIOR TO CONSTRUCTION.
8. NO DEBRIS SHALL BE ALLOWED TO ENTER THE KING COUNTY SEWER SYSTEM DURING THE CONSTRUCTION OF OR THE CONNECTION TO MH R24-46.
9. ALL WORK ON KING COUNTY PIPELINES AND FACILITIES SHALL NOT BE BACKFILLED UNTIL IT HAS BEEN INSPECTED AND APPROVED BY A KING COUNTY REPRESENTATIVE.
10. THE PROPOSED CONNECTION TO MH R24-46 SHALL BE PLUGGED AND NOT PUT INTO SERVICE UNTIL THE TRIBUTARY SYSTEM HAS BEEN CLEANED, INSPECTED, TESTED, AND APPROVED BY THE CITY OF SEATTLE.
11. UPON COMPLETION OF THE WORK, THE CITY OF SEATTLE SHALL PROVIDE KING COUNTY WITH AN "AS-CONSTRUCTED" DRAWING OF THE NEW CONNECTION TO MH R24-46.

No.	Date	By	Ckd.	Appr.	Revision
18	04/19/22	JRM	JEP	DKB	REVISED PER FIELD CONDITIONS

Title: WATER AND SANITARY SEWER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMENT — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER — 4/19/2022

Scale:		Designed	JEP
Horizontal	1"=30'	Drawn	JEP
Vertical	-	Checked	JEP
		Approved	DKB
		Date	4/8/22

Barghausen
Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 18182
Sheet C24 of 46

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WATER AND SANITARY SEWER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

0 15 30 60

MATCHLINE: SEE SHEET C24 FOR CONTINUATION

BUILDING 1
FF=19.0

CITY OF SEATTLE
CITY OF TUKWILA

INSTALL:
1-12" 90° BEND (MJ)
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

300 LF 12" D.I. W (PRIVATE)

36 LF 12" D.I. W (PRIVATE)

40 LF 12" D.I. W (PRIVATE)

S67°48'06"W 447.49'

INSTALL:
1-12"x12" TEE (FLxFL)
3-12" BUTTERFLY VALVE (FLxMJ)
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

335 LF 12" D.I. W (PRIVATE)

INSTALL:
1-12"x6" TEE (MJxFL)
1-6" GATE VALVE (FLxMJ)
32 LF 6" DI EXTENSION
1-FIRE HYDRANT ASSEMBLY
PER COT STD WS-13
SEE SHEET C37 FOR DETAIL
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

28 LF 12" D.I. W (PRIVATE)

INSTALL:
1-12" 90° BEND (MJxMJ)
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

265 LF 12" D.I. W (PRIVATE)

N67°28'09"E 321.18'

INSTALL:
1-12" 22.5° BEND (MJ)
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

52 LF 12" D.I. W (PRIVATE)

122 LF 12" D.I. W (PRIVATE)

89 LF 12" PVC SD @ 0.22%

SSCO#1
RIM = 18.84
IE = 13.91 (6" SW)
IE = 13.91 (6" N)

5 LF 6" PVC SS @ 2.00%

INSTALL:
1-12" 22.5° BEND (MJ)
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

10" FIRE LINE

PIV

2" WATER SERVICE

1.5" IRRIGATION SERVICE

INSTALL:
1-1.5" METER
1-DDCVA

INSTALL:
1-12" 11.25° BEND (MJxFL)
1-12" 45° BEND (FLxMJ)
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

60 LF 12" D.I. W (PRIVATE)

FDC

65 LF 6" D.I. W (PRIVATE)

INSTALL:
1-12"x6" TEE (MJxFL)
1-6" GATE VALVE (FLxMJ)
10 LF 6" DI EXTENSION
1-FIRE HYDRANT ASSEMBLY
PER COT STD WS-13
SEE SHEET C37 FOR DETAIL
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

INSTALL:
1-6" 90° BEND (MJ)
CONCRETE BLOCKING PER
COT STD WS-12A. SEE
SHEET C36 FOR DETAIL

EX UTILITY VAULT
EX 48" SS LINE
EX HYDRANT
EX TEL LINE

SSMH#8
RIM = 18.43
IE = 12.53 (6" S)
IE = 12.43 (12" N)

EX JUNCTION BOX
EX UTILITY VAULT

69 LF 6" PVC SS @ 2.00%

EX TEL MH
EX UTILITY MH
EX TEL MH

27 LF 12" D.I. W (PRIVATE)

INSTALL:
1-12"x10" TEE (FLXFL)
1-10" GATE VALVE (FLXMJ)
CONCRETE BLOCKING
PER COT STD WS-12A
SEE SHEET C36 FOR DETAIL

INSTALL:
1-2" METER
1-RPBA

Δ=22°46'24"
R=880.00'
L=349.77'

EX 18" SD LINE
EX 60" SD LINE

129 LF 6" D.I. W (PRIVATE)

EX 18" SD LINE
EX SIGNS (X3)
EX TEL LINE
EX 48" SS LINE

SSMH
MH R24-42
RIM=15.85'
48" CNC I.E. N=5.70'
48" CNC I.E. SE=5.70'

EX 10" WATER LINE

Δ=10°22'16"
R=880.00'
L=159.29'

EX 18" SD LINE

AIRPORT WAY SOUTH

EX 12" SD LINE

EX 8" SD LINE
EX 24" SD LINE

EX 10" WATER LINE

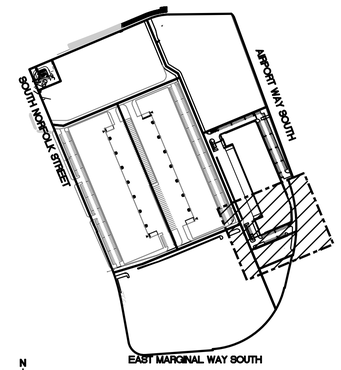
EX POWER LINES

N67°28'09"E 237.00'

S12°53'32"W 221.61'

N77°06'28"W 5.00'

EX POWER LINE



OVERALL SITE
NTS

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15. SEE SHEET C12 FOR UTILITY CROSSING INFORMATION

No.	Date	By	Ckd.	Appr.	Revision
1	8	04/19/22	JPM	JEP	DKB	REVISED PER FIELD CONDITIONS

Title: WATER AND SANITARY SEWER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
4/19/2022

Scale: Horizontal 1"=30' Vertical -

Designed	Drawn	Checked	Approved	Date
JEP	JEP	JEP	DKB	4/8/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

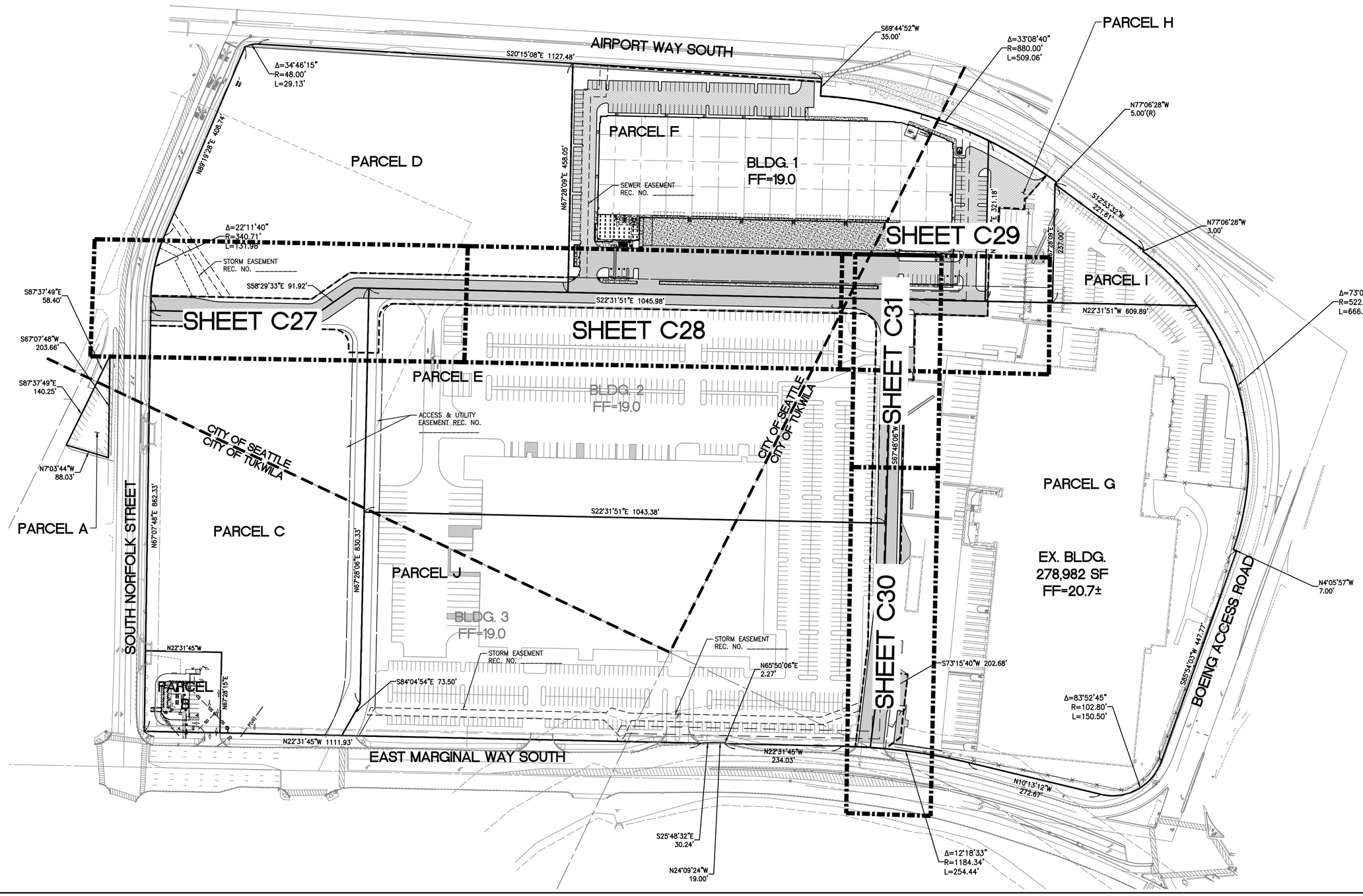
Job Number 18182
Sheet C25 of 46

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ACESS ROAD WATER PLAN SHEET INDEX
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

811 Know what's **below.** **Call** before you dig.

0 50 100 200



No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title:
ACESS ROAD WATER PLAN SHEET INDEX
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

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12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=100' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 18182

Sheet C26 of 46

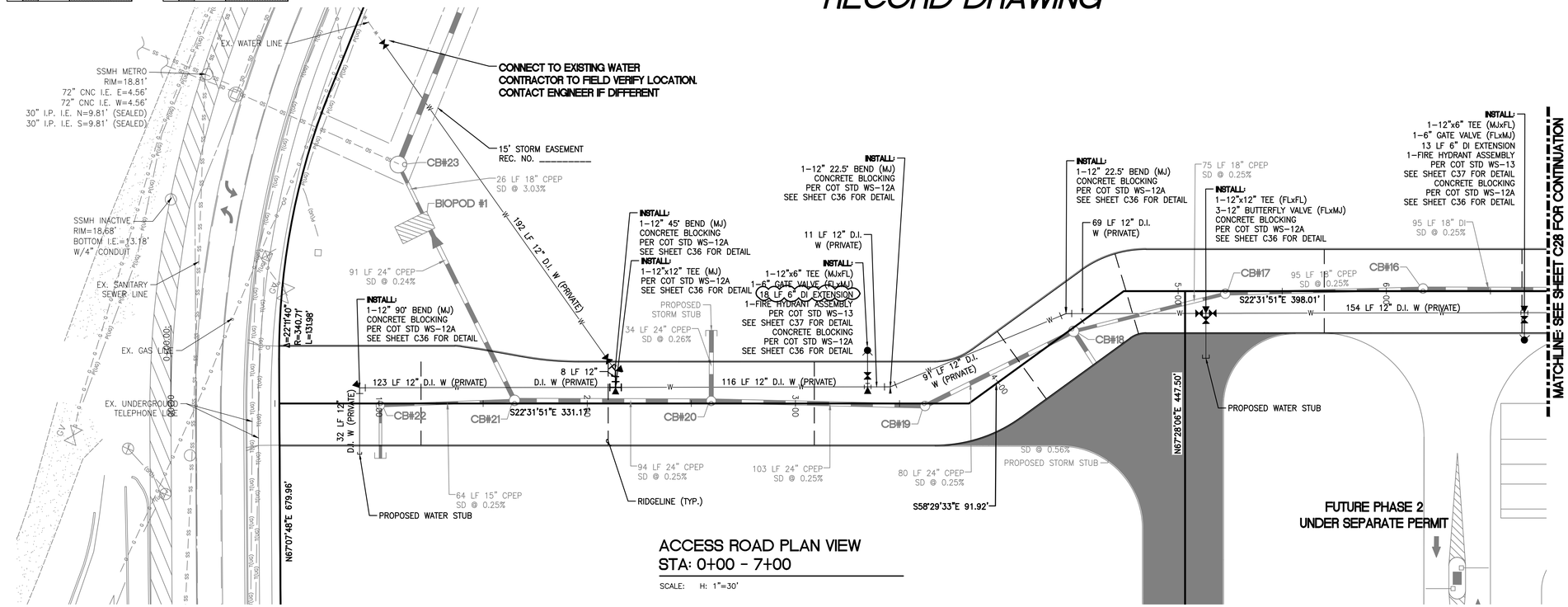
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ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

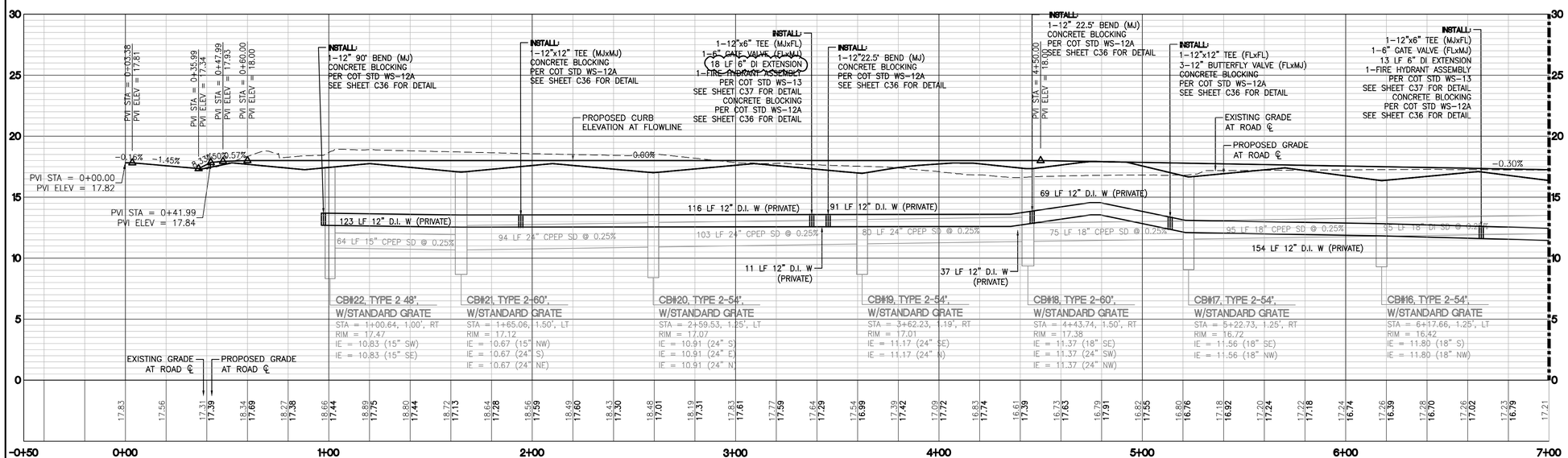
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HORIZONTAL: 1"=30' 0 15 30 60
VERTICAL: 1"=5' 0 2.5 5 10



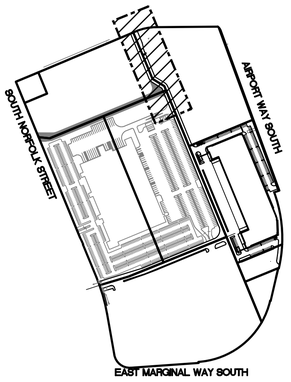
ACCESS ROAD PLAN VIEW
STA: 0+00 - 7+00

SCALE: H: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 0+00 - 7+00

SCALE: H:1"=30' V:1"=5'



OVERALL SITE

NTS

NOTES:

1. WATER METERS AND METER SETTER TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS WS-01, WS-02, AND WS-04. SEE DETAILS SHEET C36.
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12. SEE SHEET C17 FOR UTILITY CROSSING INFORMATION

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'
Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22
Xref: JPULLICINO Scale:1" = 1"

Barghausen
Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
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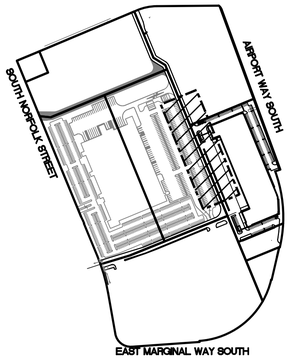
Job Number 18182
Sheet C27 of 46

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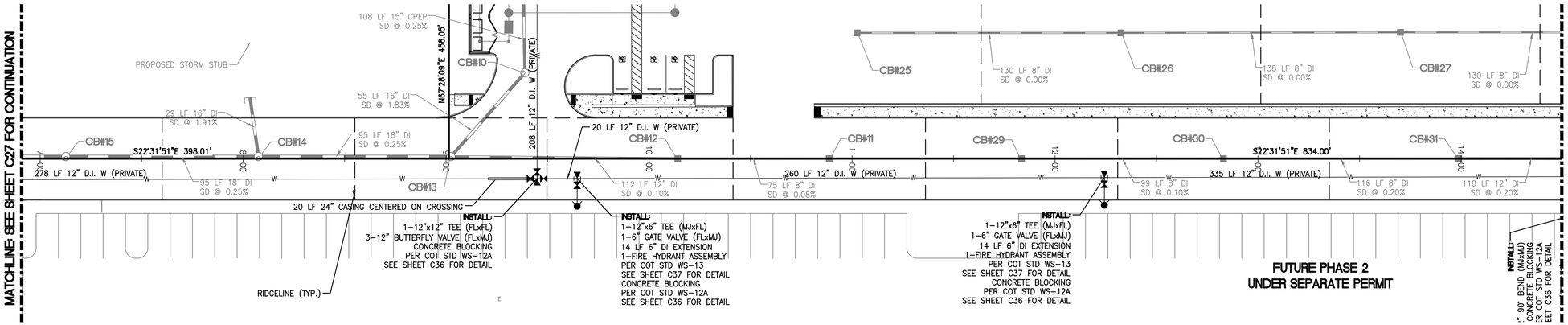
ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

HORIZONTAL: 1"=30'
0 15 30 60

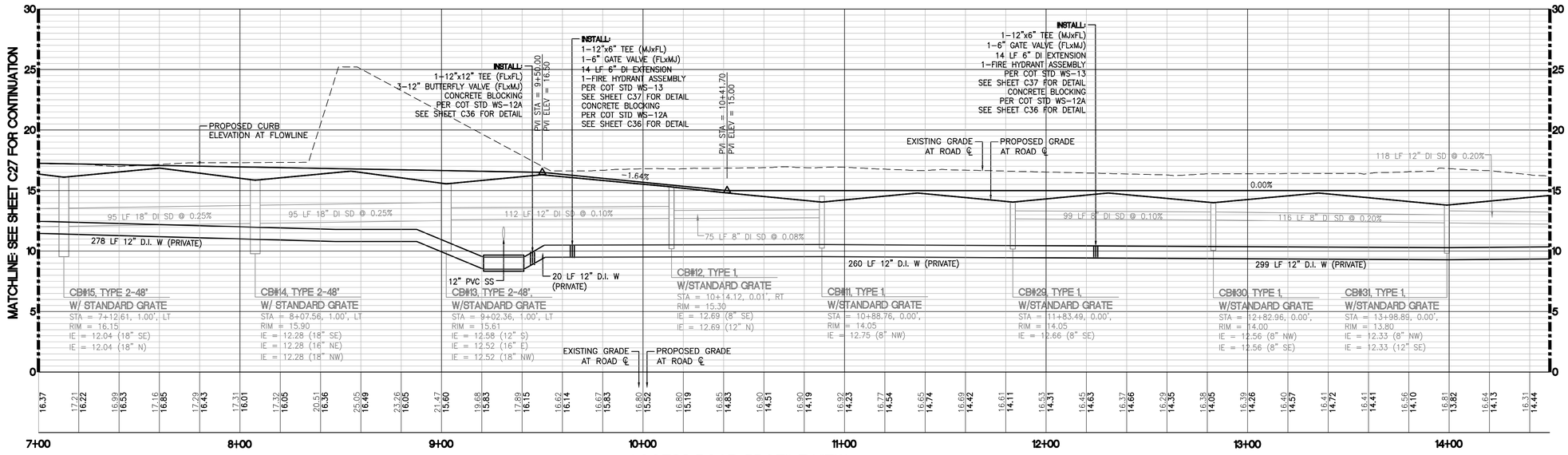
VERTICAL: 1"=5'
0 2.5 5 10



OVERALL SITE
NTS



ACCESS ROAD PLAN VIEW
STA: 7+00 - 14+50
SCALE: H: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 7+00 - 14+50
SCALE: H:1"=30' V:1"=5'

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4. FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS WS-13 AND WS-14. SEE DETAILS SHEET C36 AND C37.
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11. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
12. SEE SHEET C18 FOR UTILITY CROSSING INFORMATION

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'
Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22
Scale:1" = 1" Date/Time:1/3/2022 10:25 AM Xref: ~~~~ JPULLICINO

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Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C28 of 46
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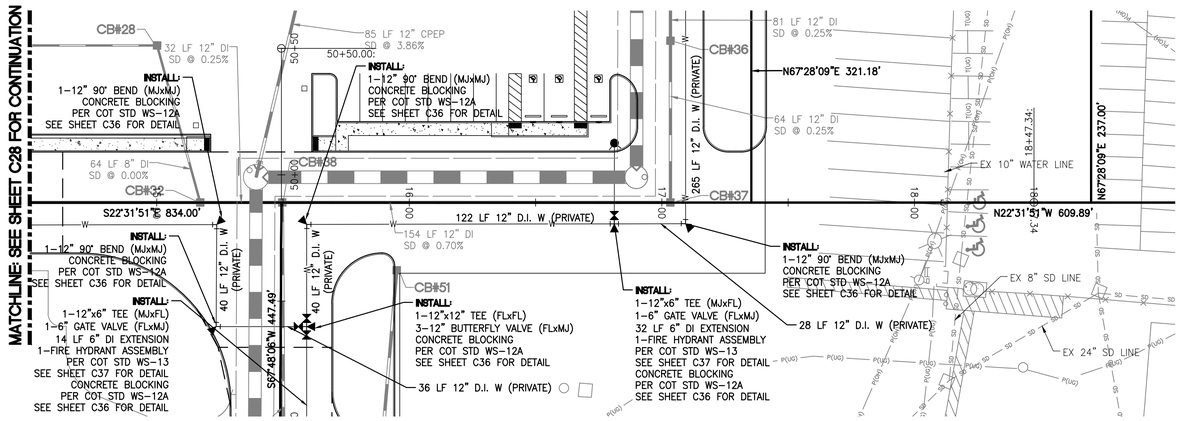
ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

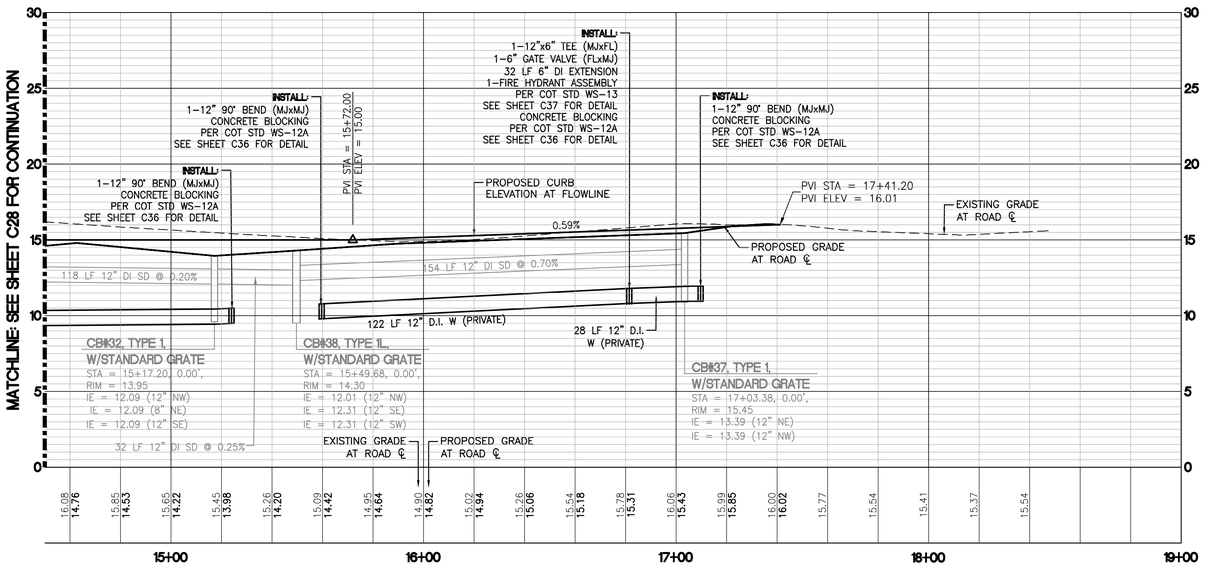
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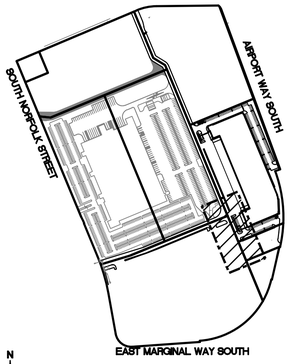
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STA: 14+50 - 19+00

SCALE: H:1"=30'



ACCESS ROAD PROFILE VIEW
STA: 14+50 - 19+00

SCALE: H:1"=30' V:1"=5'



N

OVERALL SITE

NTS

NOTES:

1. WATER METERS AND METER SETTER TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS WS-01, WS-02, AND WS-04. SEE DETAILS SHEET C36.
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12. SEE SHEET C19 FOR UTILITY CROSSING INFORMATION

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

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Kent, WA 98032
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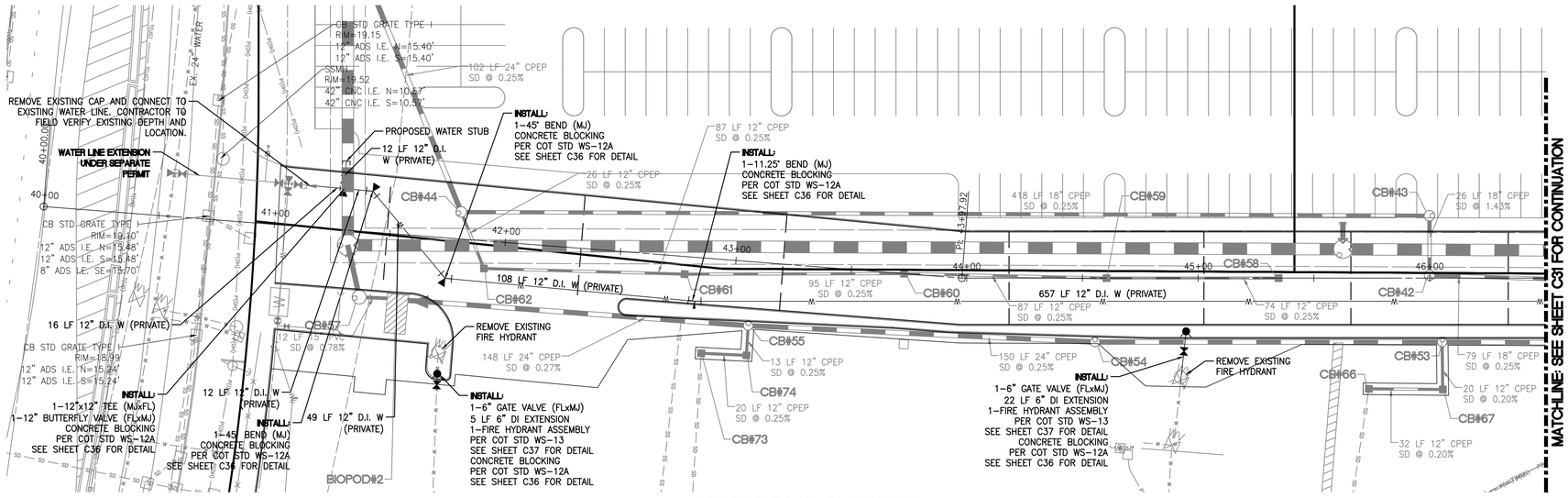
Job Number 18182

Sheet C29 of 46

ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

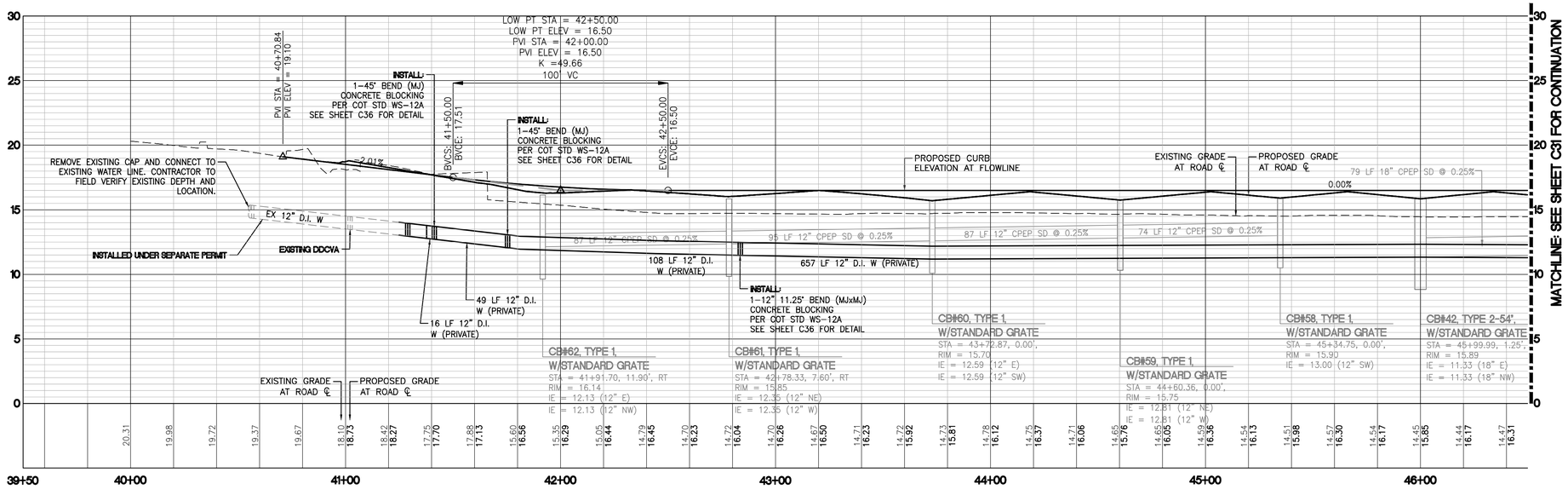
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VERTICAL: 1"=5'
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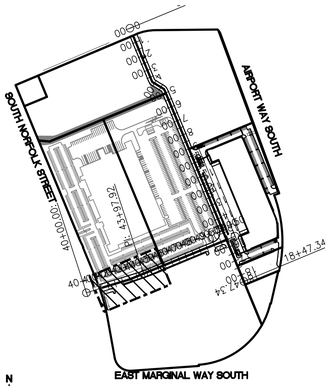
ACCESS ROAD PLAN VIEW
STA: 40+00 - 46+50

SCALE: H: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 40+00 - 46+50

SCALE: H: 1"=30'



N

OVERALL SITE
NTS

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12. SEE SHEET C20 FOR UTILITY CROSSING INFORMATION

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5"

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 1/7/22

Barghausen Consulting Engineers, Inc.
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Kent, WA 98032
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barghausen.com

Job Number 18182

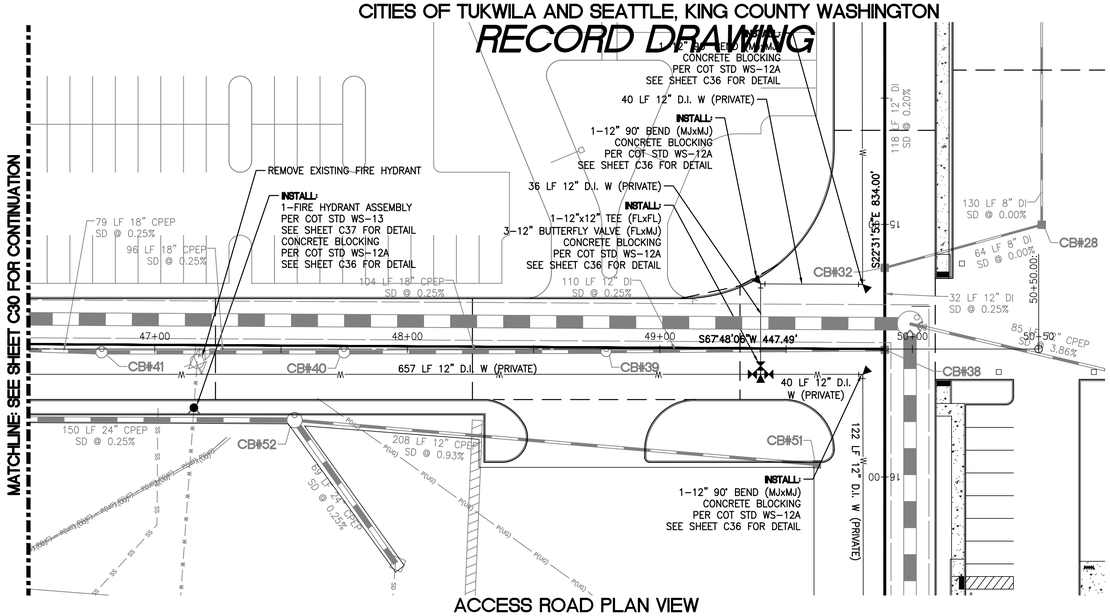
Sheet C30 of 46

ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

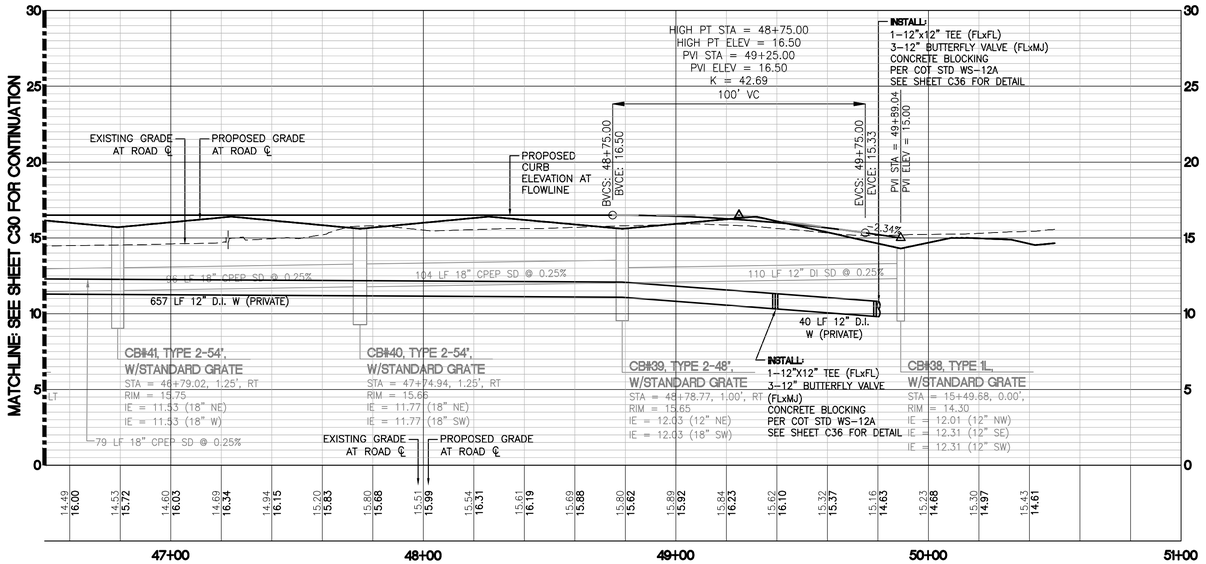
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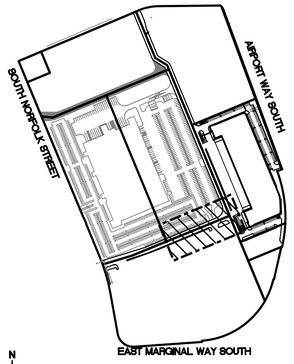
VERTICAL: 1"=5'
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ACCESS ROAD PLAN VIEW
STA: 46+50 - 51+00
SCALE: H:1"=30'



ACCESS ROAD PROFILE VIEW
STA: 46+50 - 51+00
SCALE: H:1"=30' V:1"=5'



OVERALL SITE
NTS

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12. SEE SHEET C21 FOR UTILITY CROSSING INFORMATION

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER
STATE OF WASHINGTON
25672
REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

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Kent, WA 98032
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Job Number 18182

Sheet C31 of 46

CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2017 CITY OF SEATTLE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION; THE CITY OF SEATTLE STANDARD PLANS, 2017 EDITION; AND SEATTLE DEPARTMENT OF TRANSPORTATION, DIRECTOR'S RULE 94-8 (REV. 1) FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.

2. A COPY OF THE APPROVED PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

3. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY.

4. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF SEATTLE. THE CONTRACTOR SHALL NOTIFY THE OWNER'S PROFESSIONAL ENGINEERING CONSULTANT OF THE PRE-CONSTRUCTION MEETING TIME AND LOCATION.

5. PAVED SURFACES INCLUDING ROADWAYS, SIDEWALKS, AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED AS REQUIRED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION, STREET USE INSPECTOR.

6. DATUM: NAVD 88. THE CITY OF SEATTLE ESTABLISHED BENCHMARK USED FOR THIS PROJECT IS LOCATED AT TOP OF BRASS DISK 10'S AND 5'W OF BACK OF SIDEWALK @ SE QUADRANT OF INTERSECTION OF S. ANDOVER ST. AND RAINIER AVE. S. AND IS REFERENCED AS CITY OF SEATTLE CONTROL POINT No. SNV-2513. THE BENCHMARK ELEVATION IS 46.05.

7. ALL SURVEYING AND STAKING OF IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY IS TO BE PROVIDED BY THE CITY OF SEATTLE AT OWNER'S EXPENSE.

8. THE CONTRACTOR SHALL NOTIFY THE SEATTLE FIRE DEPARTMENT DISPATCHER (206-386-1495) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.

9. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.

10. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

11. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.

12. UTILITY SERVICE CONNECTIONS SHOWN ON THIS PLAN ARE TO BE MAINTAINED PRIVATELY AND NOT BY THE CITY OF SEATTLE.

13. THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE STREET USE INSPECTOR.

14. BACKFILL MATERIAL USED IN PUBLIC RIGHT-OF-WAY SHALL MEET STANDARD SPECIFICATIONS AND SHALL BE APPROVED BY SEATTLE DEPARTMENT OF TRANSPORTATION.

15. INSPECTION AND ACCEPTANCE OF ALL WORK IN STREET RIGHTS-OF-WAY WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF SEATTLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET CITY STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.

16. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.

17. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR SEATTLE DEPARTMENT OF TRANSPORTATION APPROVAL.

18. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL. A TRAFFIC CONTROL PLAN WILL BE REQUIRED PRIOR TO ISSUANCE OF PERMIT.

19. COORDINATE SIGN AND METER HEAD REMOVAL AND INSTALLATION WITH SEATTLE DEPARTMENT OF TRANSPORTATION (ROBERT BURNS) AT 684-5370. SIGNPOSTS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD PLAN NO.'S 620, 622, 624, & 625.

20. ALL WORK PERFORMED BY SEATTLE CITY LIGHT, SEATTLE WATER, AND OTHER PUBLIC UTILITIES TO REMOVE OR RELOCATE EXISTING UTILITIES SHALL BE DONE AT THE PERMITTEE'S EXPENSE.

21. CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.

22. CONTRACTOR SHALL NOTIFY KING COUNTY METRO AT 684-2732 SEVEN DAYS IN ADVANCE OF ANY IMPACT TO TRANSIT OPERATIONS.

23. CONTRACTOR SHALL CONTACT SEATTLE DEPARTMENT OF TRANSPORTATION, LANDSCAPE ARCHITECT'S OFFICE AT (206)684-5693 FOR APPROVAL OF STREET TREE SPECIES SUBSTITUTIONS AND THEN INSPECTION OF TREES TWO DAYS PRIOR TO PLANTING.

24. "THE CONTRACTOR SHALL NOTIFY THE SDOT LANDSCAPE ARCHITECT'S OFFICE AT LEAST TWO DAYS BEFORE TREE-PLANTING AT (206) 684-5693."

25. ALL WORK ON STREET LIGHT POLES, CONDUITS AND LUMINAIRES WILL BE PROVIDED BY SEATTLE CITY LIGHT. CONTRACTORS SHALL CONTACT BRAD COMBS AT (206) 615-0655 TO COORDINATE STREET LIGHT CONSTRUCTION AND REMOVAL.

SPECIAL NOTES REQUIRED BY CITY OF SEATTLE:

1. GRADING MUST BE STABILIZED BY OCTOBER 31st, AND NO EXCAVATION TO BE PERFORMED BETWEEN OCTOBER 31st AND APRIL 1st WITHOUT AN APPROVED DRY SEASON GRADING EXTENSION LETTER FROM SDCI.
2. A PRE-CONSTRUCTION MEETING IS REQUIRED BETWEEN OWNER'S REPRESENTATIVES, (GEOTECHNICAL SPECIAL INSPECTOR, GENERAL CONTRACTOR AND EXCAVATION CONTRACTOR) AND SDCI SITE INSPECTOR. CONTACT 206-684-8860 TO ARRANGE MEETING.
3. CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE AND APPROVED BY SDCI PRIOR TO ANY EARTH DISTURBANCE. CALL 206-684-8860 TO SCHEDULE AN INSPECTION APPOINTMENT FOR THIS ITEM.

SEDIMENT NOTE:

NO SEDIMENT SHALL BE TRACKED INTO THE STREET OR ONTO PAVED SURFACES. SEDIMENT SHALL BE REMOVED FROM TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE SITE. IN THE EVENT OF FAILURE OF THE EROSION CONTROL SYSTEM RESULTING IN SEDIMENT BEING TRACKED ONTO PAVED SURFACES, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT MEASURES TO CORRECT THE SITUATION, AND STREET SWEEPING SHALL BE EMPLOYED ON AN EMERGENCY BASIS. IF STREET SWEEPING VEHICLES ARE UTILIZED, THEY SHALL BE OF THE TYPE THAT ACTUALLY REMOVES THE SEDIMENT FROM THE PAVEMENT.

WATER SERVICE NOTES

1. APPLICATION FOR A NEW METERED WATER SERVICE AND ALL FEES PAID, IS REQUIRED 60 TO 90 DAYS BEFORE SERVICE WILL BE AVAILABLE. OWNER WILL NEED WATER AVAILABILITY CERTIFICATE, LEGAL DESCRIPTION OF PROPERTY AND THREE (3) COPIES OF APPROVED STREET IMPROVEMENT PLANS WHEN MAKING APPLICATION.
2. ALL WATER SERVICE PIPING ON PROPERTY MUST BE INSPECTED PRIOR TO BACKFILLING TRENCH.
3. FOR INFORMATION AND INSPECTION, TELEPHONE WATER SERVICE AT 684-5800.

GENERAL SEWER AND DRAINAGE NOTES:

UNLESS OTHERWISE SPECIFIED:

1. PIPE LESS THAN 12" DIAMETER SHALL BE CONCRETE PER ASTM C14 CLASS 3.
2. PIPE 12" AND 15" DIAMETER SHALL BE CONCRETE PER ASTM C76 CLASS IV.
3. PIPE 18" DIAMETER AND LARGER SHALL BE CONCRETE PER ASTM C76 CLASS III.
4. DUCTILE IRON PIPE SHALL BE PER ANSI A21.51 CLASS 50 WITH PUSH-ON JOINTS. FITTINGS FOR DUCTILE IRON PIPE SHALL BE DUCTILE PER ANSI A21.10 OR ANSI A21.53 WITH PUSH-ON JOINTS. GLANDS ON MECHANICAL JOINT PIPE AND FITTINGS SHALL BE DUCTILE.
5. PVC PIPE AND FITTINGS SHALL BE PER ASTM D3034, SDR35 WITH RUBBER GASKET JOINTS. PVC PIPE FOR PSS AND PSD SHALL BE TESTED FOR EXCESSIVE DEFLECTION WITH A MANDREL PER SECTION 7-17.3(4) OF THE SPECIFICATIONS.
6. SUBSURFACE DRAIN (SSD) PIPE AND FITTINGS SHALL BE PVC PER ASTM D2241 SDR21 (CLASS 200) WITH RUBBER GASKET JOINTS. PIPE SHALL HAVE SLOTTED PERFORATIONS. SLOTS ARE TO BE 0.040" WIDE 1.0" LONG AND SPACED 0.25" APART. SLOT LOCATIONS SHALL BE LOCATED PER DETAIL ON PLAN.
7. CORRUGATED METAL PIPE SHALL BE ALUMINUM PER AASHTO M196 TYPE 6" DIAMETER PIPE SHALL BE 0.060" THICK WITH 1-1/2" X 1/4" CORRUGATIONS.
8. BEDDING SHALL BE CLASS B FOR ALL PIPE EXCEPT DUCTILE IRON PIPE, WHICH SHALL BE CLASS D. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MINERAL AGGREGATE TYPE 22. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MECHANICALLY COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS MEASURED BY ASTM D1557.
9. TEES ON NEW PIPE LESS THAN 24" DIAMETER SHALL BE PREFABRICATED. TEES ON EXISTING PIPE OR ON NEW PIPE WITHOUT PREFABRICATED TEES SHALL BE CONNECTED BY CORE DRILLING AND FLEXIBLE CONNECTION. SEE SPECIFICATIONS.
10. CATCH BASIN CONNECTIONS, INLET CONNECTIONS, AND SERVICE DRAINS SHALL BE 8" DIAMETER PIPE.
11. TEES, CATCH BASIN CONNECTIONS, SIDE SEWERS, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50%. INLET CONNECTIONS SHALL BE PLACED AT A MINIMUM SLOPE OF 5% AND A MAXIMUM SLOPE OF 50%.
12. RECONNECTION OF EXISTING CATCH BASINS SHALL INCLUDE NEW TRAPS, CONNECTION TO STORM DRAINS, AND REMOVAL OF EXISTING TRAPS.
13. SERVICE DRAINS AND SIDE SEWERS SHALL BE CONNECTED OR RECONNECTED AS APPROVED BY THE INSPECTOR.
14. RELAY EXISTING SERVICE DRAINS AND SIDE SEWERS TO CLEAR OVER OR UNDER THE NEW UTILITY AS APPROVED BY THE INSPECTOR.
15. WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN THE UTILITIES.
16. SERVICE DRAINS AND SIDE SEWERS SHALL NOT BE BACKFILLED UNTIL THE PIPE HAS BEEN INSPECTED AND APPROVED AND THE LOCATION AND DEPTH IS RECORDED BY THE INSPECTOR.
17. PIPE 12" DIAMETER AND LARGER TO BE ABANDONED SHALL BE FILLED WITH PORTLAND CEMENT AND SAND MIXTURE. SEE SPECIFICATIONS.
18. SOILS TEST BORING LOCATIONS ARE INDICATED ON THE PLANS. TEST DATA IS INCLUDED IN THE SPECIFICATIONS.
19. THE CONTRACTOR SHALL PROVIDE SUPPORTS FOR POWER POLES NEAR EXCAVATIONS PER SEATTLE CITY LIGHT STANDARDS NO. D3-6.

CITY OF SEATTLE WATER NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY THE SEATTLE WATER DEPARTMENT A MINIMUM OF 72 HOURS IN ADVANCE OF ALL REQUESTS FOR STAKING, TESTING, OR INSPECTION.
3. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR APPROVAL WHERE REQUIRED BY THE DETAIL SPECIFICATIONS AND FOR VARIATION FROM THE APPROVED DESIGN. ENGINEER IS TO BE NOTIFIED PRIOR TO ANY FIELD CHANGES.
4. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND SEATTLE WATER DEPARTMENT SPECIFICATIONS.
5. CONTRACTOR TO FURNISH ALL MATERIALS.
6. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING PIPE TYPES AND SIZES FOR COUPLINGS AND CONNECTIONS.
7. DEVELOPER TO PAY FOR CITY INSPECTION AND PERMIT FEES.
8. COORDINATE METER LOCATIONS WITH THE SEATTLE WATER DEPARTMENT.
9. NO CHANGES ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE SEATTLE WATER DEPARTMENT.
10. REFER TO SEATTLE WATER DEPARTMENT SPECIFICATIONS FOR ALL REMAINING NOTES AND DETAILS.
11. UTILITY LOCATIONS AS SHOWN ARE APPROXIMATE PER OFFICE DOCUMENTATION RECEIVED FROM RESPECTIVE TELEPHONE, CABLE TV, GAS AND POWER COMPANIES. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. ENGINEER DOES NOT WARRANT UTILITY LOCATIONS SHOWN ON PLAN.
12. TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 90 PERCENT MAXIMUM DENSITY (ASTM D-1557). ALL IMPORTED FILL MATERIAL SHALL BE BANK RUN GRAVEL, CLASS "B." BACKFILL SHALL BE COMPACTED IN SUCCESSIVE LAYERS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS.
13. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN BACKFILLS. NO ROCK OR OTHER IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED OR PLACED IN FILLS.
14. ALL EXISTING UTILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM A FIELD SURVEY AND FROM AVAILABLE PUBLIC RECORDS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES WHICH MAY CONFLICT WITH CONSTRUCTION, WHETHER ON THESE PLANS OR NOT. ENGINEER DOES NOT WARRANT THAT ALL UTILITIES HAVE BEEN SHOWN.
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TELEPHONE COMPANY, THE GAS COMPANY, THE POWER COMPANY, AND THE CABLE TV COMPANY PRIOR TO CONSTRUCTION SO THAT THESE OTHER UTILITIES CAN PREPARE THE NECESSARY PLANS FOR THE EXTENSION OF THEIR RESPECTIVE UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THESE ACTIVITIES DURING CONSTRUCTION.

GENERAL NOTES TUKWILA

1. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE.
2. AT LEAST 48 HOURS BEFORE STARTING PROJECT SITE WORK, NOTIFY THE UTILITIES INSPECTOR AT 206-433-0179.
3. REQUEST A PUBLIC WORKS UTILITY INSPECTION AT LEAST 24 HOURS IN ADVANCE BY CALLING 206-433-0179.
4. THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY, AND DAMAGE TO STRUCTURES AND IMPROVEMENTS RESULTING FROM CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR SHALL HAVE THE PERMIT(S) AND CONDITIONS, THE APPROVED PLANS, AND A CURRENT COPY OF CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS AVAILABLE AT THE JOB SITE.
6. ALL WORK SHALL CONFORM TO THESE APPROVED DRAWINGS. ANY CHANGES FROM THE APPROVED PLANS REQUIRE PRE-APPROVAL FROM THE OWNER, THE ENGINEER, AND THE CITY OF TUKWILA.
7. ALL METHODS AND MATERIALS SHALL MEET CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS, UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.
8. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF RECORD DRAWINGS ON-SITE.
9. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS PRIOR TO PROJECT FINAL APPROVAL.
10 PROVIDE TRAFFIC CONTROL AND STREET MAINTENANCE PLAN FOR PUBLIC WORKS APPROVAL BEFORE IMPLEMENTATION.
11. ALL SURVEYING FOR PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON LICENSED LAND SURVEYOR. VERTICAL DATUM SHALL BE NAVD 1988. HORIZONTAL DATUM SHALL BE WASHINGTON STATE (GRID) COORDINATES, NORTH ZONE, USING NAD 83/91 SURVEY CONTROL AND TIED TO ANY TWO CITY OF TUKWILA HORIZONTAL CONTROL MONUMENTS. FOR PROJECTS WITHIN A FLOOD CONTROL ZONE, THE PERMITTEE SHALL PROVIDE CONVERSION CALCULATIONS TO NGVD 1929.
12. REPLACE OR RELOCATE ALL SIGNS DAMAGED OR REMOVED DUE TO CONSTRUCTION.
13. RETAIN, REPLACE OR RESTORE EXISTING VEGETATION IN RIGHTS-OF-WAY, EASEMENTS, AND ACCESS TRACTS.

CONSTRUCTION NOTES TUKWILA

1. ALL WORK PERFORMED SHALL BE PER APPROVED PLANS AND SPECIFICATIONS ONLY. THE PERMITTEE IS REQUIRED TO MAINTAIN A SET OF APPROVED PLANS, SPECIFICATIONS, AND ASSOCIATED PERMITS ON THE JOB SITE. WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS.
PERMITTEE SHALL APPLY FOR A REVISION FOR ANY WORK NOT ACCORDING TO THE APPROVED PLANS.
2. PERMITTEE/CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE WITH THE CITY'S INSPECTOR(S) PRIOR TO BEGINNING ANY WORK.
3. WORK IN ROADWAYS
A. ALL WORK IN ROADWAYS SHALL MEET TMC 11 AND THE FOLLOWING:

B. PRIOR TO ANY ACTIVITY IN CITY RIGHT-OF-WAY, THE PERMITTEE SHALL PROVIDE THE CITY A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL. THE TRAFFIC CONTROL PLAN SHALL INCLUDE THE LOCATION, ADDRESS AND DESCRIPTION OF TRAFFIC FLOW DURING THE WORK AND SHALL MEET MUTCD REQUIREMENTS.

C. ALL WORK REQUIRING LANE CLOSURES MUST BE BY PERMIT ONLY. FROM THE THIRD THURSDAY IN NOVEMBER TO THE FOLLOWING JANUARY 2ND, THE DIRECTOR DOES NOT ALLOW LANE CLOSURES IN THE TUKWILA URBAN CENTER.

D. FIRE, PEDESTRIAN, AND VEHICULAR ACCESS TO BUILDINGS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT WHEN PERMITTEE HAS PERMISSION FROM THE BUILDING OWNER AND THE DIRECTOR TO CLOSE AN ACCESS.

E. ALL ROADWAYS SHALL BE KEPT FREE OF DIRT AND DEBRIS USING STREET SWEEPERS. USE OF WATER TRUCKS FOR CLEANING ROADWAYS REQUIRES PREAPPROVAL FROM THE DIRECTOR.

F. INSTALL STEEL PLATES OVER ANY TRENCH, AT ANY TIME WORK IS STOPPED AND THE TRENCH IS LEFT OPEN.

UTILITY NOTES TUKWILA

1. ALL TRENCH EXCAVATION OPERATIONS SHALL MEET OR EXCEED ALL APPLICABLE SHORING LAWS FOR TRENCHES OVER 4-FEET DEEP. ALL TRENCH SAFETY SYSTEMS SHALL MEET WISHA REQUIREMENTS.
2. POWER, CABLE, FIBER OPTICS, AND TELEPHONE LINES SHALL BE IN A TRENCH WITH A 5' MINIMUM HORIZONTAL SEPARATION FROM OTHER UNDERGROUND UTILITIES.
3. ADJUST ALL MANHOLES, CATCH BASINS, AND VALVES IN PUBLIC RIGHTS-OF-WAY OR EASEMENTS AFTER ASPHALT PAVING

STORM DRAINAGE NOTES TUKWILA

1. ALL METHODS AND MATERIALS SHALL MEET CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS, AND THE ADOPTED KING COUNTY SURFACE WATER DESIGN MANUAL, UNLESS OTHERWISE APPROVED.
2. MARK ALL STORM DRAIN INLETS WITH "NO DUMPING DRAINS TO RIVER".
3. DRIVEWAY CULVERTS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS THAT MATCH THE SIDE SLOPE.

CONSTRUCTION STORMWATER CONTROL (CSC) GENERAL NOTES

1. A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.
2. SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED BUILDING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD/PERMITS/INSPECTIONS
3. THE APPLICANT SHALL DESIGNATE AN EROSION AND SEDIMENT CONTROL (ESC) SUPERVISOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS). FOR LARGE CONSTRUCTION PROJECTS, THE ESC SUPERVISOR SHOULD BE A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL). PROVIDE THE NAME AND PHONE NUMBER OF THE ESC SUPERVISOR TO THE SITE INSPECTOR AT THE FIRST GROUND DISTURBANCE INSPECTION.
4. BMPS SHALL BE INSTALLED PRIOR TO STARTING CONSTRUCTION TO ENSURE SEDIMENT-LADEN WATER DOES NOT LEAVE THE PROJECT SITE OR ENTER ROADSIDE DITCHES, STORM DRAINS, SURFACE WATERS, OR WETLANDS.
5. THE BMPS INCLUDED IN THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. THE APPLICANT IS RESPONSIBLE FOR ENSURING THAT BMPS ARE MODIFIED AS NEEDED FOR UNEXPECTED STORM EVENTS OR OTHER UNFORESEEN CIRCUMSTANCES, AND TO ACCOUNT FOR CHANGING SITE CONDITIONS.
6. ANY AREAS OF DISTURBED SOIL THAT WILL NOT BE WORKED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON (OCT 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPT 30) SHALL BE IMMEDIATELY STABILIZED WITH APPROVED BMPS METHODS (E.G. STRAW, MULCH, PLASTIC COVERING, COLD MIX, ETC.)
7. GRADING AND/OR SOIL DISTURBING ACTIVITIES MAY BE LIMITED OR PROHIBITED FOR CERTAIN SITES SUBJECT TO ECA STANDARDS (I.E. ECA STEEP SLOPES, LANDSLIDE PRONE AREAS, ETC.) BETWEEN OCTOBER 31ST AND APRIL 1ST. IF NOTED IN THE GEOTECHNICAL SPECIAL INSPECTIONS REQUIREMENTS, A GRADING SEASON EXTENSION LETTER (GSEL) ISSUED BY SDCI IS REQUIRED FOR ALL GRADING AND/OR SOIL DISTURBING ACTIVITIES DURING THIS PERIOD. THE GEOTECHNICAL SPECIAL INSPECTOR MUST SUBMIT ELECTRONIC APPLICATIONS FOR A GSEL USING THE SDCI PROJECT PORTAL. ALLOW FOUR TO SIX WEEKS FOR PROCESSING. FAILURE TO OBTAIN THE GSEL PRIOR TO OCTOBER 31 MAY RESULT IN A WORK STOPPAGE.
8. CITY STREETS AND SIDEWALKS SHALL BE KEPT CLEAN AT ALL TIMES. NO MATERIAL SHALL BE STORED ON CITY STREETS OR SIDEWALKS WITHOUT A STREET USE PERMIT FROM THE SEATTLE DEPARTMENT OF TRANSPORTATION (SDOT).
9. POLLUTION CONTROL MEASURES SHALL BE FOLLOWED TO ENSURE THAT NO LIQUID PRODUCTS OR CONTAMINATED WATER ENTERS ANY STORM DRAINAGE FACILITIES OR OTHERWISE LEAVES THE PROJECT SITE. ANY HAZARDOUS MATERIALS OR LIQUID PRODUCTS THAT HAVE THE POTENTIAL TO POLLUTE RUNOFF SHALL BE STORED AND DISPOSED OF PROPERLY.
10. ENSURE THAT WASHOUT FROM CONCRETE TRUCKS IS PERFORMED OFF-SITE OR IN DESIGNATED CONCRETE WASHOUT AREAS ONLY. DO NOT WASH OUT CONCRETE TRUCKS ONTO THE GROUND, OR TO STORM DRAINS OR OPEN DITCHES. DO NOT DUMP EXCESS CONCRETE ONSITE, EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS.
11. ALL AREAS OF DISTURBED SOIL SHALL BE FULLY STABILIZED WITH THE APPROPRIATE SOIL AMENDMENT AND COVER MEASURES AT COMPLETION OF THE PROJECT. TYPICAL COVER MEASURES INCLUDE LANDSCAPING OR HYDROSEED WITH MULCH.

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal - Vertical -

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 1/7/22

Scale 1" = 1" JPULLICINO Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C32 of 46

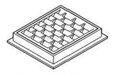
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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

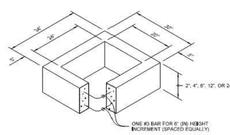
DRAWN BY: ERIN CHYORO



FRAME AND VANED GRATE

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED CIR. PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ★ (STD, SPEC, SECT, 9-05.20)	12"
SOLID WALL PVC (STD, SPEC, SECT, 9-05.12(1))	15"
PROFILE WALL PVC (STD, SPEC, SECT, 9-05.12(2))	15"

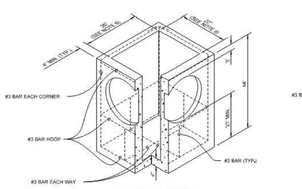
★ CORRUGATED POLYETHYLENE STORM SEWER PIPE



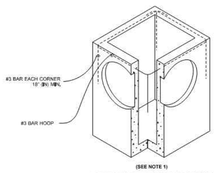
RECTANGULAR ADJUSTMENT SECTION

NOTES

1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE **PRECAST BASE SECTION.** Wire mesh shall not be placed in the knockouts.
2. The knockout shall not be greater than 20" (in), in any direction. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with Joint mortar in accordance with **Standard Specification Section 9-04.3.**
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or Integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section.**
7. All pickup holes shall be grouted full after the basin has been placed.



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

DS-01

CATCH BASIN TYPE 1

STANDARD PLAN B-5.20-02

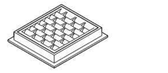
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

DATE OF APPROVAL

Washington State Department of Transportation

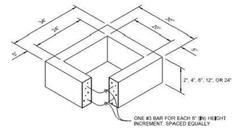
DRAWN BY: ERIN CHYORO



FRAME AND VANED GRATE

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED CIR. PLAIN CONCRETE	18"
ALL METAL PIPE	21"
CPSSP ★ (STD, SPEC, SECT, 9-05.20)	18"
SOLID WALL PVC (STD, SPEC, SECT, 9-05.12(1))	21"
PROFILE WALL PVC (STD, SPEC, SECT, 9-05.12(2))	21"

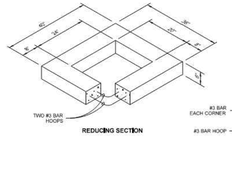
★ CORRUGATED POLYETHYLENE STORM SEWER PIPE



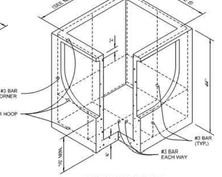
RECTANGULAR ADJUSTMENT SECTION

NOTES

1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot, shall be used with the minimum required rebar shown in the ALTERNATIVE **PRECAST BASE SECTION.** Wire mesh shall not be placed in the knockouts.
2. The knockout shall not be greater than 26" (in), in any direction. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with Joint mortar in accordance with **Standard Specification Section 9-04.3.**
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down or Integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the Precast Base Section.
7. All pickup holes shall be grouted full after the basin has been placed.



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

DS-02

CATCH BASIN TYPE 1L

STANDARD PLAN B-5.40-02

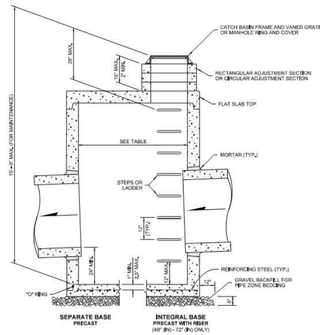
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

DATE OF APPROVAL

Washington State Department of Transportation

DRAWN BY: FERN LIEDELL



NOTES

1. No steps are required when height is 4' or less.
2. The bottom of the precast catch basin may be sloped to facilitate cleaning.
3. The rectangular frame and grate may be Installed with the flange up or down. The frame may be cast into the adjustment section.
4. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is Installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3.**

CATCH BASIN DIMENSIONS				
CATCH BASIN DIAMETER	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE:	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"
120"	10"	12"	96"	12"
144"	12"	12"	108"	12"

PIPE ALLOWANCES					
CATCH BASIN DIAMETER	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER				
	CONCRETE	ALL METAL	CPSSP ① PP ④	SOLID WALL PVC ②	PROFILE WALL PVC ③
48"	24"	30"	24"	30"	30"
54"	30"	36"	30"	36"	36"
60"	36"	42"	36"	42"	42"
72"	42"	54"	42"	48"	48"
84"	54"	60"	54"	48"	48"
96"	60"	72"	60"	48"	48"
120"	66"	84"	60"	48"	48"
144"	78"	96"	60"	48"	48"

① Corrugated Polyethylene Storm Sewer Pipe (See **Standard Specification Section 9-05.20**)
② (See **Standard Specification Section 9-05.12(1)**)
③ (See **Standard Specification Section 9-05.12(2)**)
④ Polypropylene Pipe (See **Standard Specification 9-05.24**)

DS-03

CATCH BASIN TYPE 2

STANDARD PLAN B-10.20-02

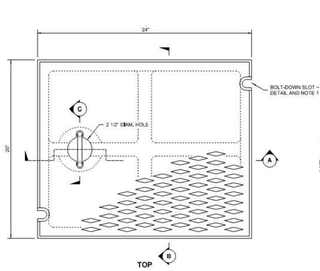
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

DATE OF APPROVAL

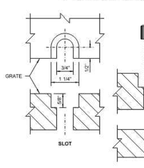
Washington State Department of Transportation

DRAWN BY: ERIN LIEDELL

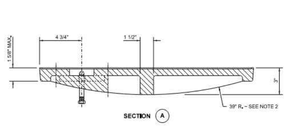


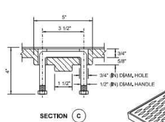
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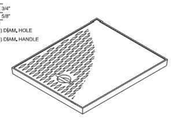
1. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC × 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
2. Alternative reinforcing designs are acceptable in lieu of the rib design.
3. Refer to **Standard Specification Section 9-05.15** and **9-05.15(2)** for additional requirements.
4. For frame details, see **Standard Plan B-30.10.**



BOLT-DOWN DETAILS
SEE NOTE 1







ISOMETRIC

DS-05

RECTANGULAR SOLID METAL COVER

STANDARD PLAN B-30.20-04

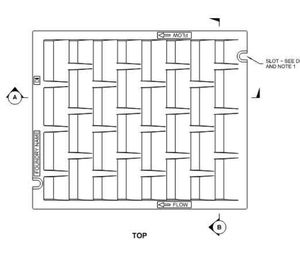
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

DATE OF APPROVAL

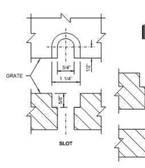
Washington State Department of Transportation

DRAWN BY: FERN LIEDELL

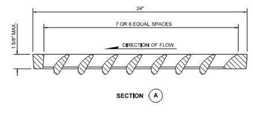


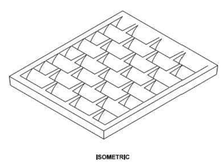
NOTES

1. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC × 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
2. Refer to **Standard Specification Section 9-05.15** and **9-05.15(2)** for additional requirements.
3. For frame details, see **Standard Plan B-30.10.**



BOLT-DOWN DETAILS
SEE NOTE 1





ISOMETRIC

DS-11

RECTANGULAR VANED GRATE

STANDARD PLAN B-30.30-03

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

DATE OF APPROVAL

Washington State Department of Transportation

No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal — | Vertical —

Designed JEP | Drawn JEP | Checked JEP | Approved DKB | Date 1/7/22

Scale 1" = 1" JPULLICINO Xref: ----

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 18182

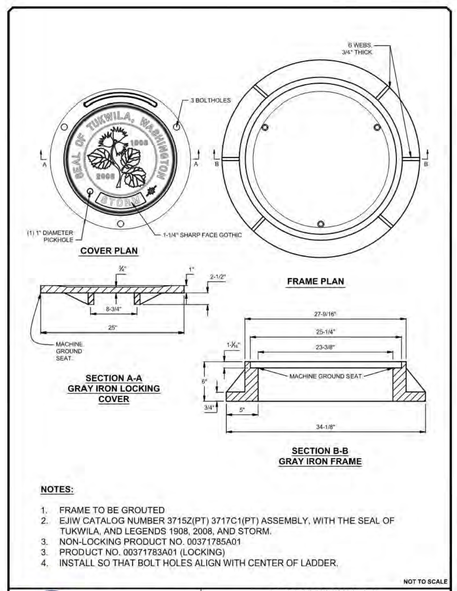
Sheet C33 of 46

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

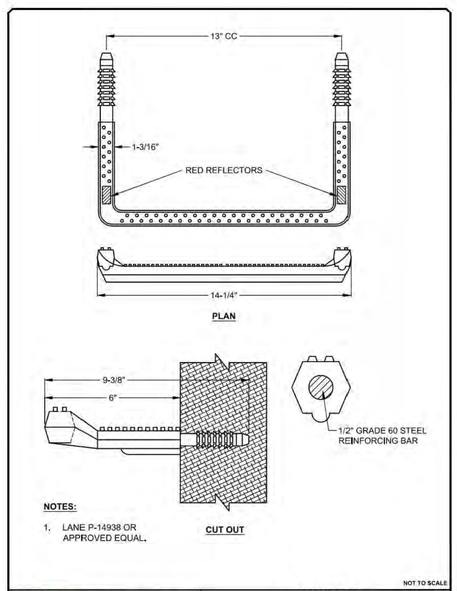


NOTES:

1. FRAME TO BE GROUTED
2. EJIW CATALOG NUMBER 3715Z(PT) 3717C1(PT) ASSEMBLY, WITH THE SEAL OF TUKWILA, AND LEGENDS 1908, 2008, AND STORM.
3. NON-LOCKING PRODUCT NO. 00371785A01
3. PRODUCT NO. 00371783A01 (LOCKING)
4. INSTALL SO THAT BOLT HOLES ALIGN WITH CENTER OF LADDER.

NOT TO SCALE

City of Tukwila	STORM MANHOLE
	24" FRAME WITH COVER (CITY OWNED FACILITY)
	SHEET: DS-16
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

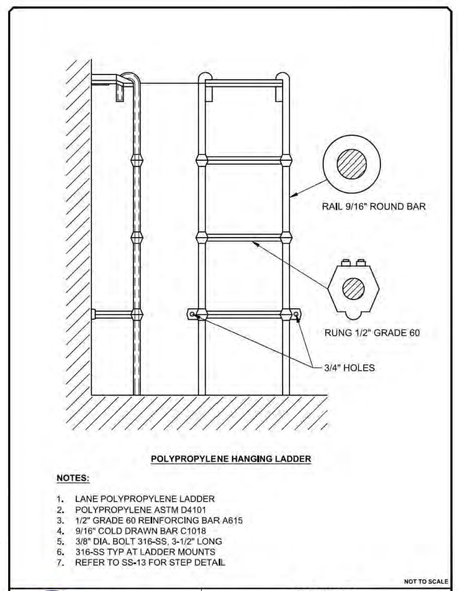


NOTES:

1. LANE P-14938 OR APPROVED EQUAL.

NOT TO SCALE

City of Tukwila	MANHOLE
	POLYPROPYLENE SAFETY STEP
	SHEET: DS-17
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



NOTES:

1. LANE POLYPROPYLENE LADDER
2. POLYPROPYLENE ASTM D4101
3. 1/2" GRADE 60 REINFORCING BAR A615
4. 9/16" COLD DRAWN BAR C1018
5. 3/8" DIA. BOLT 316-SS, 3-1/2" LONG
6. 316-SS TYP AT LADDER MOUNTS
7. REFER TO SS-13 FOR STEP DETAIL

NOT TO SCALE

City of Tukwila	MANHOLE
	LADDER
	SHEET: DS-18
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal - Vertical -

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 1/7/22

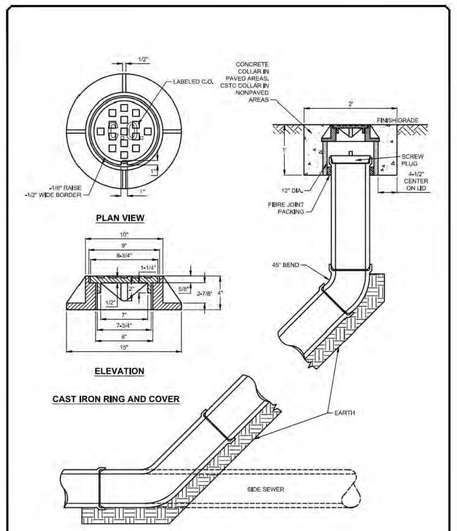
Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C34 of 46

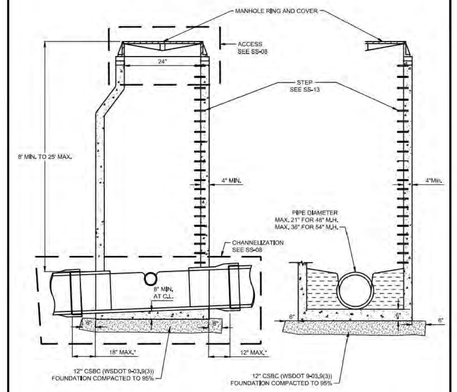
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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY – PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING



NOT TO SCALE

City of Tukwila	SANITARY SIDE SEWER
	CLEAN-OUT
	SHEET: SS-03
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



NOTES:

1. MAX. PIPE DIAMETER MAY BE LIMITED BY PIPE CONFIGURATION OR AS DETERMINED BY ENGINEER.
2. RUBBER GASKET AND GROUT AT ALL JOINTS IN MANHOLE SECITONS.
3. GROUT ALL LIFTING EYE HOLES.
4. SEE SS-13 FOR STEP DETAIL OR SS-12 FOR LADDER DETAILS.
5. INSTALL PER CHAPTER 8 OF THESE STANDARDS.

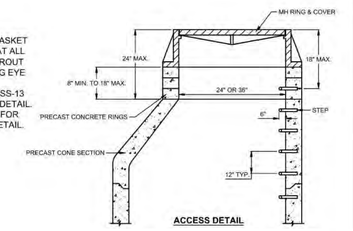
* APPLIES TO 24" OR SMALLER DIAMETER PIPES.

NOT TO SCALE

City of Tukwila	MANHOLE
	48" AND 54"
	SHEET: SS-04
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

NOTES:

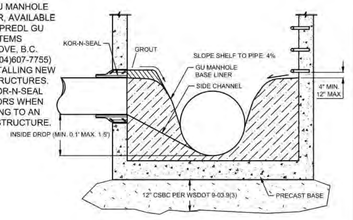
1. RUBBER GASKET & GROUT AT ALL JOINTS. GROUT ALL LIFTING EYE HOLES.
2. REFER TO SS-13 FOR STEP DETAIL.
3. SEE SS-12 FOR LADDER DETAIL.



ACCESS DETAIL

NOTES:

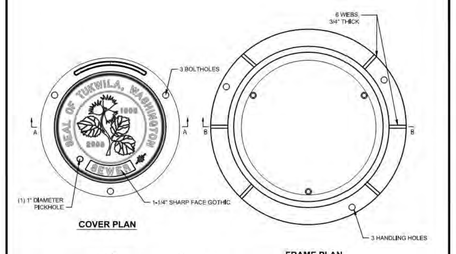
1. INSTALL GU MANHOLE BASE LINER, AVAILABLE THROUGH PREDL GU LINER SYSTEMS (ALDERGROVE, B.C. CANADA (604)607-7755) WHEN INSTALLING NEW SEWER STRUCTURES.
2. INSTALL KOR-N-SEAL CONNECTORS WHEN CONNECTING TO AN EXISTING STRUCTURE.



CHANNELIZATION

NOT TO SCALE

City of Tukwila	MANHOLE
	ACCESS AND CHANNELIZATION
	SHEET: SS-08
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

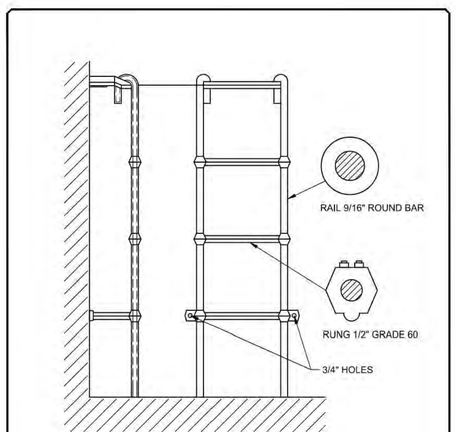


NOTES:

1. FRAME TO BE GROUTED
2. EJIW CATALOG NUMBER 3715Z(PT) 3717C1(PT) ASSEMBLY, WITH THE SEAL OF TUKWILA, AND LEGENDS 1908, 2008, AND SEWER.
4. NON-LOCKING PRODUCT NO. 00371786A01
5. PRODUCT NO. 00371784A01 (LOCKING)
6. INSTALL SO THAT BOLT HOLES ALIGN WITH CENTER OF LADDER.

NOT TO SCALE

City of Tukwila	SEWER MANHOLE
	24" FRAME WITH COVER
	SHEET: SS-11
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



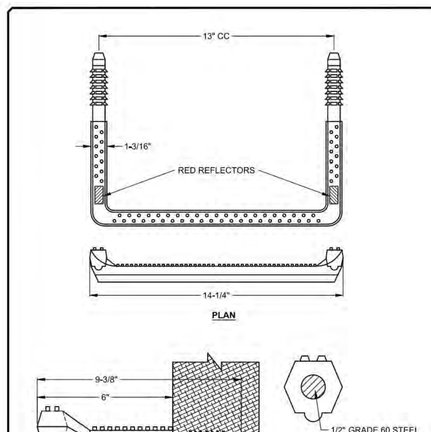
POLYPROPYLENE HANGING LADDER

NOTES:

1. LANE POLYPROPYLENE LADDER
2. POLYPROPYLENE ASTM D4101
3. 1/2" GRADE 60 REINFORCING BAR A615
4. 9/16" COLD DRAWN BAR C1018
5. 3/8" DIA. BOLT 316-SS. 3-1/2" LONG
6. 316-SS TYP AT LADDER MOUNTS
7. REFER TO SS-13 FOR STEP DETAIL

NOT TO SCALE

City of Tukwila	MANHOLE
	HANGING LADDER
	SHEET: SS-12
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

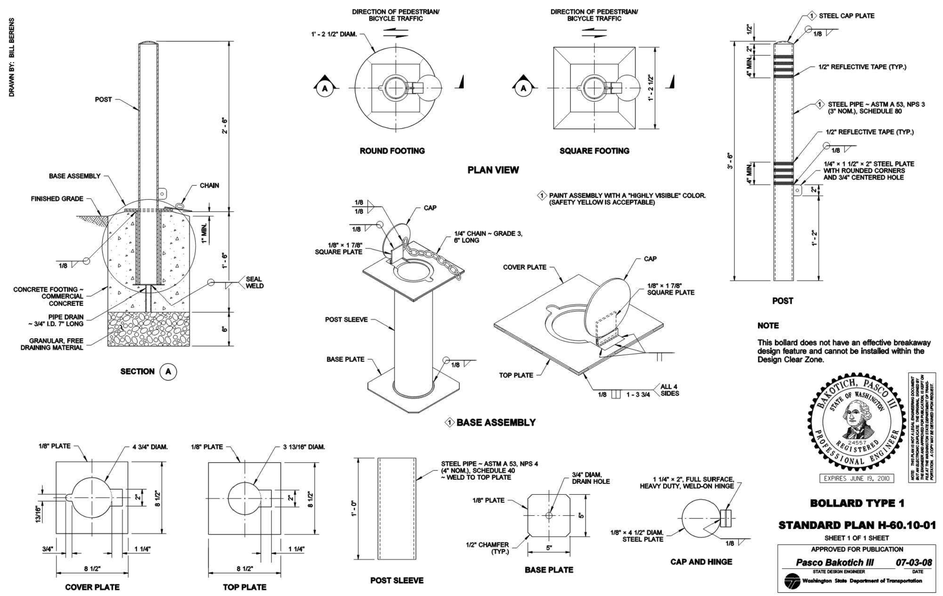


NOTES:

1. LANE P-14938 OR APPROVED EQUAL.

NOT TO SCALE

City of Tukwila	MANHOLE
	POLYPROPYLENE SAFETY STEP
	SHEET: SS-13
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



PAINT ASSEMBLY WITH A "HIGHLY VISIBLE" COLOR. (SAFETY YELLOW IS ACCEPTABLE)

BOLLARD TYPE 1

STANDARD PLAN H-60.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 07-03-08

STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

EXPIRES: JUNE 03, 2022

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS FOR PROLOGIS EMERALD GATEWAY – PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE, SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal – Vertical –

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

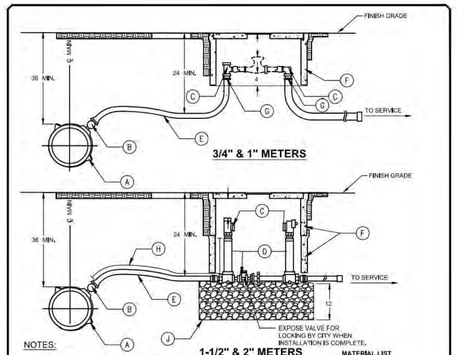
Sheet C35 of 46

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



NOTES:

1. FOR PARTS LIST REFER TO CHAPTER 7.1 - TUKWILA INFRASTRUCTURE DESIGN AND CONSTRUCTION STANDARDS.
2. SERVICE LINE SHALL BE PERPENDICULAR TO THE WATERMAIN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. ENGINEER SHALL PROVIDE PRESSURE AND FLOW CALCULATIONS WHEN A SINGLE METER IS SERVING BOTH DOMESTIC SERVICE AND A FIRE SUPPRESSION SYSTEM.
4. NO METER BOXES IN SIDEWALKS AND DRIVEWAYS WHERE POSSIBLE. WHERE METERS CANNOT BE PROTECTED FROM TRAFFIC, A TRAFFIC RATED ENCLOSURE IS REQUIRED. METER BOXES IN PEDESTRIAN PATHS WITHIN THE RIGHT OF WAY ARE REQUIRED TO HAVE AN ADA COMPLIANT LID.
5. METER BOX AND SETTER (IF APPLICABLE) SHALL BE SUPPLIED BY PERMITTEE.
6. METER SUPPLIED AND INSTALLED BY CITY OF TUKWILA UPON APPROVED PERMIT AND FINAL SERVICE INSPECTION.
7. POSITION SERVICE PIPING TO CENTER METER BELOW INSPECTION LID AND PROVIDE ADEQUATE CLEARANCE BETWEEN SERVICE PIPING AND METER BOX TO ALLOW REPLACEMENT, TESTING, AND BYPASS OF METER.
8. BRASS FITTINGS SHALL BE LEAD FREE.
. THE LID OF A METER BOX INSTALLED IN A PEDESTRIAN PATH SHALL HAVE A SKID RESISTANT LID PER ADA REQUIREMENTS.

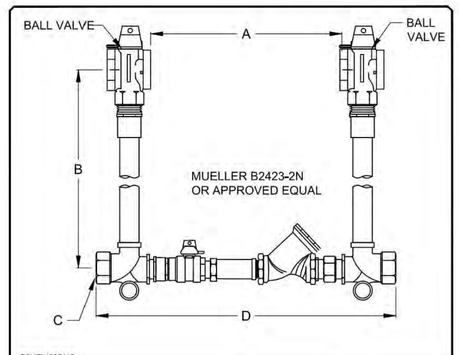
MATERIAL LIST

A	TAPPING SADDLE
B	CORPORATION STOP
C	ANGLE STOP OR TAIL PIECE
D	METER SETTER, SEE WS-60.
E	SERVICE PIPE
F	METER BOX
G	COMPRESSION FITTINGS OR COUPLINGS AS REQUIRED
H	TRACER TAPE OR WIRE FOR POLYETHYLENE PIPE (IS USED)
J	GRAVEL BACKFILL FOR DRAINS PER WSDOT 9-03.12(4).

NOT TO SCALE

City of Tukwila

METER	
3/4", 1", 1-1/2", & 2"	
SHEET:	WS-01
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



DIMENSIONS

METER SIZE	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - Riser Height	15", 18", 21", 24", 27"	15", 18", 21", 24", 27"
Dimension C - Nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	21.50"	26.63"

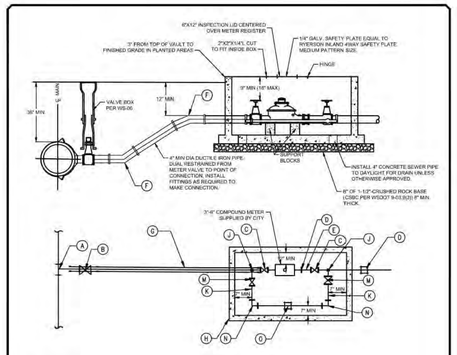
NOTES:

1. COMPOUND METER SUPPLIED AND SET BY THE CITY. 2" SINGLE REGISTER METER REQUIRES PRE-APPROVAL.
2. BYPASS WILL BE LOCKED OFF BY CONSTRUCTION INSPECTOR WHEN METER SPREADER IS INSTALLED.

NOT TO SCALE

City of Tukwila

METER	
1-1/2" AND 2" METER SETTER	
SHEET:	WS-02
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



MATERIAL LIST

A	TAPPING TEE	H	METER VAULT: 444-LA (5' & 4') 644-LA FOR 6"
B	GATE VALVE	J	DOUBLE STRAP SERVICE SADDLE WITH 2" IPS TAP
C	METER VALVE	K	2" BRASS NIPPLE
D	FLANGE COUPLING ADAPTER	M	2" BALL VALVE
E	CL 52 DIP FLANGED BY PLAIN END SPOOL	N	90° BRASS ELBOW
F	CONCRETE THRUST BLOCKS PER WS-10	O	2" COMPRESSION COUPLER
G	ETERL TIE RODS AND ROMAC DUCTILE LUGS		

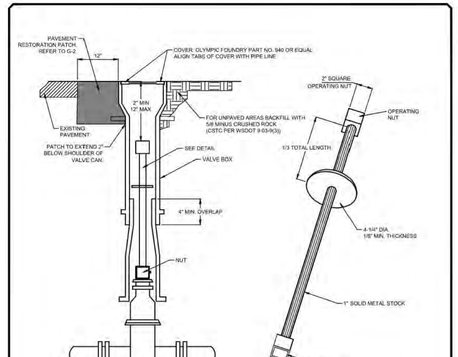
NOTES:

1. METERS 3"-6" SUPPLIED BY CITY.
2. VAULT SHALL BE PRECAST CONCRETE VAULT.
3. ALL PIPE & FITTINGS 4" AND LARGER SHALL BE CEMENT LINED, CL52.
4. PIPING FROM MAIN TO VAULT SHALL BE 4" ON 3" METER INSTALLATION, TEE WITH VALVE ON EXISTING MAIN REQUIRED.
5. BRASS FITTINGS 2" AND LESS SHALL BE LEAD FREE.
6. THE LID OF A VAULT INSTALLED IN A PEDESTRIAN PATH SHALL HAVE A SKID RESISTANT LID PER ADA REQUIREMENTS.

NOT TO SCALE

City of Tukwila

METER	
3" TO 6"	
SHEET:	WS-04
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



ASSEMBLY DETAIL

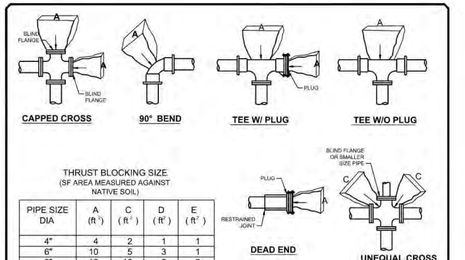
NOTES:

1. TWO PIECE CAST IRON VALVE BOX WITH STANDARD 24" BASE AND 18" TOP WITH 4" OVERLAP, OLYMPIC VALVE BOX OR EQUAL LIDS SHALL HAVE TAPS ALIGNED WITH PIPE LINE.
2. VALVE BOX COVER SHALL BE LABELED "WATER".
3. EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN 5 FEET BELOW FINISHED GRADE.
4. ONLY ONE EXTENSION, MINIMUM OF 4 FEET LONG, TO BE USED PER VALVE.
5. ALL EXTENSIONS ARE TO BE MADE OF STEEL AND PAINTED WITH TWO COATS OF METAL PAINT. NO FIELD-FABRICATED EXTENSIONS.

NOT TO SCALE

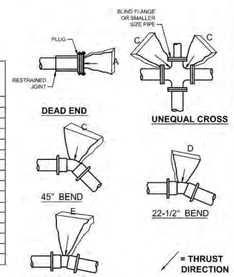
City of Tukwila

WATER MAIN	
VALVE BOX WITH OPERATING NUT EXTENSION	
SHEET:	WS-06
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



THRUST BLOCKING SIZE
(SF AREA MEASURED AGAINST NATIVE SOIL)

PIPE SIZE DIA	A (ft²)	C (ft²)	D (ft²)	E (ft²)
4"	4	2	1	1
6"	10	5	3	1
8"	18	10	5	2
10"	28	15	8	4
12"	40	22	11	6
14"	55	30	15	8
16"	71	39	20	10
18"	90	49	25	13
20"	111	60	31	15
22"	135	73	37	19
24"	160	87	44	22
28"	218	118	60	30
30"	251	136	69	35
36"	361	195	100	50
42"	491	266	135	68
48"	641	347	177	89



NOTES:

1. BEARING AREA OF CONCRETE THRUST-BLOCK BASED ON 250 PSI PRESSURE AND SAFE SOIL BEARING LOAD OF 1000 POUNDS PER SQUARE FOOT.
2. ADJUST BEARING AREA FOR OTHER PIPE SIZES, PRESSURES, AND SOIL CONDITIONS. SEE TABLE THIS SHEET FOR TYPE AND SAFE BEARING LOAD.
3. CONCRETE BLOCKING SHALL BE CAST IN PLACE AND HAVE A MINIMUM AREA OF 1/4 SQUARE FOOT BEARING AGAINST THE FITTING.
4. CONTRACTOR SHALL INSTALL BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE AS WELL AS TO CONTINUOUSLY WITHSTAND OPERATION PRESSURE UNDER ALL CONDITIONS OF SERVICE.
5. HEIGHT OF THRUST BLOCK MUST BE EQUAL TO OR LESS THAN 1/2 THE DEPTH FROM THE GROUND SURFACE TO THE BLOCK'S BASE.
7. REFER TO CHAPTER 7 OF THESE STANDARDS.

SOIL TYPE	SAFE BEARING LAOD (PSF)
MUCK, PEAT, ETC	0
SOFT CLAY	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND & GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

*VALUES BASED ON WSDOT STD PLAN B-90.40-01

NOT TO SCALE

City of Tukwila

BLOCKING (HORIZONTAL)	
CONCRETE	
SHEET:	WS-10 (1 OF 3)
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

PIPE SIZE DIA	PIPE AREA SQ FT	PRESSURE (PSI)	HEAD (FT)	A 90° LOAD (LB)	A 90° AREA (SF)	C 45° LOAD (LB)	C 45° AREA (SF)	D 22.5° LOAD (LB)	D 22.5° AREA (SF)	E 11.25° LOAD (LB)	E 11.25° AREA (SF)
4	0.08727	250	577.5	4,454.46	4	2,410.74	2	1,228.96	1	617.82	1
6	0.19635	250	577.5	10,022.54	10	5,424.16	5	2,765.17	3	1,389.65	1
8	0.34907	250	577.5	17,817.85	18	9,642.95	10	4,915.86	5	2,470.49	2
10	0.54542	250	577.5	27,840.39	28	15,067.11	15	7,681.03	8	3,860.15	4
12	0.78540	250	577.5	40,090.16	40	21,696.64	22	11,060.60	11	5,558.61	6
14	1.06902	250	577.5	54,567.17	55	29,531.54	30	15,054.82	15	7,565.89	8
16	1.39627	250	577.5	71,271.40	71	38,571.80	39	19,663.44	20	9,881.97	10
18	1.76715	250	577.5	90,202.87	90	48,817.44	49	24,886.54	25	12,506.87	13
20	2.18167	250	577.5	111,361.57	111	60,268.44	60	30,724.12	31	15,440.58	15
22	2.63982	250	577.5	134,747.49	135	72,924.82	73	37,176.19	37	18,683.10	19
24	3.14160	250	577.5	160,360.65	160	86,786.56	87	44,242.74	44	22,234.44	22
28	4.27607	250	577.5	218,268.67	218	118,126.15	118	60,218.26	60	30,263.54	30
30	4.90875	250	577.5	250,563.52	251	135,604.00	136	69,129.27	69	34,741.31	35
36	7.06860	250	577.5	360,811.47	361	195,269.76	195	99,546.16	100	50,027.48	50
42	9.62115	250	577.5	491,134.91	491	265,763.83	266	135,493.38	135	68,092.97	68
48	12.56640	250	577.5	641,442.82	641	347,146.23	347	176,970.94	177	88,937.75	89

*THRUST BLOCKING SIZE
(SF AREA MEASURED AGAINST NATIVE SOIL) PRESSURE
(MAXIMUM PRESSURE 250 PSI)

*FOR OTHER SOIL (BEARING) PRESSURE CONDITIONS, ADJUST BLOCK SIZING ACCORDINGLY.

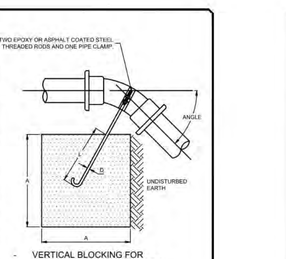
NOT TO SCALE

City of Tukwila

BLOCKING	
CONCRETE	
SHEET:	WS-10 (2 OF 3)
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

VERTICAL BLOCKING
FOR 11 1/4°, 22 1/2°, 30° BENDS
MINIMUM DIMENSIONS

PIPE SIZE (INCHES)	V.B. (DEGREES)	CU. FT.	A (FEET)	D (INCHES)	L (FEET)
4	11 1/4	.8	2.0	3/4	1.5
	22 1/2	1.1	2.2	3/4	2.0
	30	1.7	2.6	3/4	2.0
6	11 1/4	1.1	2.2	3/4	2.0
	22 1/2	2.5	2.8	3/4	2.0
	30	4.1	3.5	3/4	2.0
8	11 1/4	1.6	2.5	3/4	2.0
	22 1/2	4.7	3.6	3/4	2.0
	30	7.0	4.1	3/4	2.5
10-12	11 1/4	3.2	3.2	3/4	2.0
	22 1/2	8.8	4.5	7/8	3.0
	30	13.2	5.1		
16	11 1/4	7.0	4.1	7/8	3.0
	22 1/2	18.4	5.7	1 1/8	4.0
	30	27.5	6.5	11/4	4.0
18-20	11 1/4	9.1	4.5	7/8	3.0
	22 1/2	22.5	6.1	1 1/4	4.0
	30	33.0	6.9	1 3/8	4.5
24	11 1/4	12.8	5.0	1	3.5
	22 1/2	32.0	6.8	1 3/8	4.5
	30	48.0	7.9	1 5/8	5.5



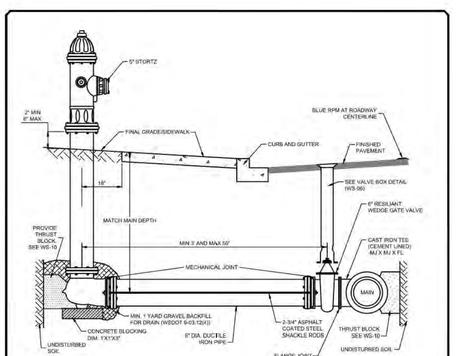
VERTICAL BLOCKING FOR 45° BENDS

4	45	30	3.1	3/4	2.0
6		68	4.1	3/4	2.0
8		123	5.0	3/4	2.0
12		232	6.1	3/4	2.5
16		478	7.8	1 1/8	4.0
20		560	8.2	1 1/4	4.0
24		820	9.4	1 3/8	4.5

NOT TO SCALE

City of Tukwila

BLOCKING (VERTICAL)	
CONCRETE	
SHEET:	WS-10 (3 OF 3)
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



NOTES:

1. REFER TO CHAPTER 7 OF THESE STANDARDS.
2. HYDRANTS EQUAL TO MUELLER SUPER CENTURION #A-423, CLOW MEDALLION #F-2545, M & H 929, OR EJIW # 5CD250 WATER MASTER.
3. HYDRANTS SHALL BE EQUIPPED WITH TWO 2-1/2" N.S.T. HOSE PORTS AND ONE 5" STORTZ PUMPER DISCHARGE PORT AND SHALL HAVE A 1-1/4" PENTAGON OPEN LIFT OPERATING NUT. HYDRANTS SHALL HAVE A 6" M.J. BOTTOM CONNECTION AND 5-1/4" MAIN VALVE OPENING.
4. HYDRANTS SHALL CONFORM TO A.W.W.A. SPECIFICATIONS C 502-54; SHALL BE COMPRESSION TYPE AND SHALL HAVE A TWO PIECE BREAKING FLANGE WITH BREAKING THIMBLE AT THE GROUND LINE OR STEM, SHALL HAVE A SELF-OILING DRY BONNET WITH FACTORY FILLED RESERVOIR HOLDING APPROXIMATELY 8 OUNCES OF OIL. OIL RESERVOIR SHALL BE SO DESIGNED AS TO GIVE A COMPLETE LUBRICATION OF STEMS EACH TIME THE HYDRANT IS OPERATED. THE UPPER STEM SHALL HAVE A BRASS SLEEVE.
5. SHACKLE RODS SHALL BE ASPHALT-COATED STEEL OR CORTEN STEEL.
6. CITY HYDRANTS BONNET AND PORT CAPS SHALL BE FARWEST COMPASS BLUE # 4602. BARREL SHALL BE FARWEST CASE YELLOW SAFETY X-3472.
7. PRIVATE HYDRANTS SHALL BE PAINTED WITH TWO COATS OF FARWEST CASE YELLOW (# X-3472).
8. WHERE NO CURB AND GUTTER IS INSTALLED, FIRE HYDRANT SHALL BE LOCATED CLOSE TO THE PROPERTY LINE AND INSIDE THE RIGHT OF WAY OR EASEMENT. INSTALL BOLLARD GUARD POST PER WS-14.
9. HYDRANTS INSTALLED, RELOCATED OR OTHERWISE WORKED UPON AS A RESULT OF A PROJECT SHALL BE FRESHLY PAINTED.
10. HYDRANT SHALL NOT BE CLOSER THAN 4' TO ANY FIXED OBJECT, WITH THE EXCEPTION OF HYDRANT GUARD POSTS, PER TMC 14.24.03.

NOT TO SCALE

City of Tukwila

FIRE HYDRANT	
ASSEMBLY AND SETTING	
SHEET:	WS-13
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
1/7/2022

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 1/7/22

Scale: Horizontal 1" = 1' Vertical 1"

JPULLIC/NO Xref: ----

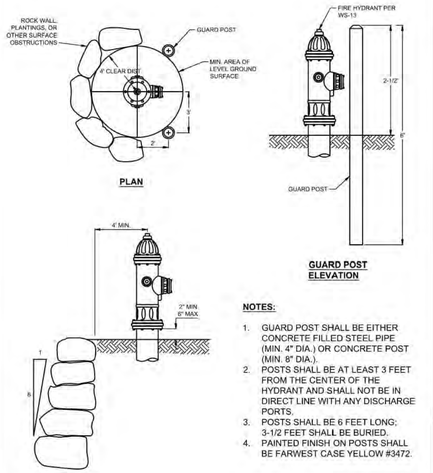
Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C36 of 46

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

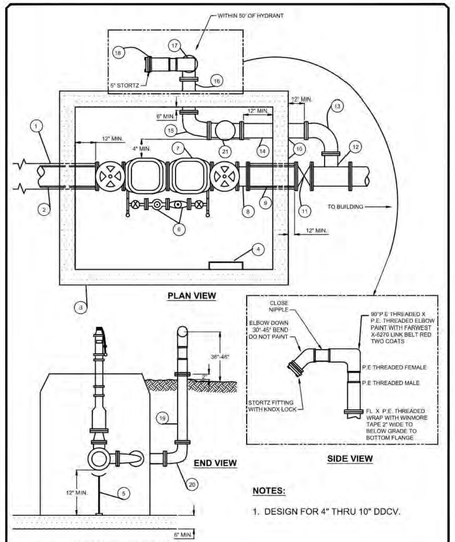


NOTES:

1. GUARD POST SHALL BE EITHER CONCRETE FILLED STEEL PIPE (MIN. 4" DIA.) OR CONCRETE POST (MIN. 8" DIA.).
2. POSTS SHALL BE AT LEAST 3 FEET FROM THE CENTER OF THE HYDRANT AND SHALL NOT BE IN DIRECT LINE WITH ANY DISCHARGE PORTS.
3. POSTS SHALL BE 6 FEET LONG; 3-1/2 FEET SHALL BE BURIED.
4. PAINTED FINISH ON POSTS SHALL BE FARWEST CASE YELLOW #3472.

NOT TO SCALE

City of Tukwila	FIRE HYDRANT
	GUARD POST
	SHEET: WS-14
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



NOTES:

1. DESIGN FOR 4" THRU 10" DDCV.

NOT TO SCALE

City of Tukwila	CROSS CONNECTION CONTROL
	DETECTOR DOUBLE CHECK VALVE & VAULT
	SHEET: WS-15 1 OF 2
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

MATERIAL LISTING:

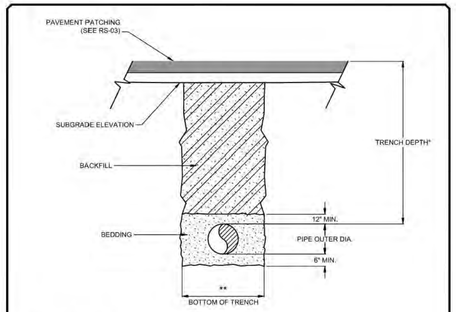
1. 3/4" SHACKLE RODS WITH STAR BOLTS AND ASPHALT EMULSION COATING.
2. 4" MIN. D.I. CLASS 52 PIPE.
3. PRECAST CONCRETE VAULT WITH HINGED STEEL PLATE COVER, DIMENSION TO VARY WITH SIZE OF ASSEMBLY.
4. O.S.H.A. APPROVED LADDER IF OVER 30" DEEP.
5. PIPE SUPPORT STAND IN LOCATED INSIDE OF VAULT UNDER EACH CHECK VALVE.
6. COPPER OR BRONZE BYPASS WITH AN APPROVED DCVA AND 3/4" WATER METER.
7. APPROVED DCVA IN MAIN LINE WITH TWO RESILIENT SEATED SHUTOFF VALVES AND TEST COCKS.
8. 10", 8", 6" OR 4" COUPLING ADAPTER, FL.
9. 10", 8", 6" OR 4" FL*PE D.I. CLASS 52 PIPE LENGTH TO FIT.
10. GROUT INTERIOR AND EXTERIOR ALL AROUND PIPE USING NON-SHRINK GROUT.
11. 10", 8", 6" OR 4" GATE VALVE FL*MJ WITH POST INDICATOR VALVE.
12. FLANGE TEE ASSEMBLY SIZED ACCORDINGLY.
13. FLANGED 90 DEG BEND.
14. 4" OR 6" D.I. CLASS 52 PIPE FL*FL.
15. 4" OR 6" 90 DEG BEND FL.
16. 4" OR 6" D.I. CLASS 52 PIPE, FL*FL.
17. 4" OR 6" 90 DEG BEND, FL.
18. UL LISTED 5" STORTZ CONNECTION WITH KNOX LOCK WITH 30 DEG OR 45 DEG ELBOW.
19. 6" D.I. CLASS 52 PIPE LENGTH AS REQUIRED FLANGE * THREADED P.E.
20. 6" 90 DEG BEND FL.
21. SWING TYPE GRAVITY OPERATED CHECK VALVE WITH BALL DRIP VALVE TO BE INSTALLED HORIZONTALLY.

DETECTOR DOUBLE CHECK AND VAULT ASSEMBLY GENERAL NOTES:

1. BACKFLOW PREVENTORS SHALL BE ON WSDOH APPROVED LIST.
2. SIZE VAULT BASED ON SIZE OF APPARATUS AND MEETING MINIMUM CLEARANCES.
3. A SEPARATE DETAIL PLAN FOR VAULT INSTALLATION AND SPRINKLER LINE MUST BE SUBMITTED AND APPROVED BY THE FIRE MARSHALL PRIOR TO INSTALLATION.
4. MINIMUM APPARATUS SIZE SHALL BE 4".
5. VAULT SHALL BE SEALED TO PREVENT WATER LEAKAGE.
6. LADDERS SHALL BE REQUIRED WHEN DEPTH FROM TOP OF LID TO FLOOR OF VAULT EXCEEDS 30". INSTALLATION OF ALL LADDERS SHALL BE IN COMPLIANCE TO O.S.H.A.
7. LOCATE VAULT IN PLANTING AREA AND NOT IN PAVING AREA, UNLESS APPROVED BY THE ENGINEER.
8. FITTINGS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF ANSI/AWWA C110/A21.10 AND CEMENT LINED (SEE APWA & AWWA).
9. PIPE SHALL BE DUCTILE IRON MEETING ANSI A21.51, CL52 & CEMENT LINED.
10. TEMPORARY SUPPORT SHALL BE PROVIDED UNDER VALVES AT THE TIME OF INSTALLATION. AFTER COMPLETE INSTALLATION INSTALL PERMANENT PIPE SUPPORT STAND.
11. PROVIDE BALL DRIP VALVES ON F.D.C. CHECK VALVE ASSEMBLY OR AT BOTTOM OF F.D.C. RISER.
12. FIRE DEPARTMENT CONNECTION TO BE PROVIDED WITH ONE (1) 5" STORTZ CONNECTIONS WITH KNOX LOCK AND TWO 30 DEG OR 45 DEG ELBOWS.
13. ALL UNDERGROUND PIPING TO BE INSPECTED, FLUSHED, AND PRESSURE TESTED IN THE PRESENCE OF AN INSPECTOR PRIOR TO COVER AND CONNECTION TO THE OVERHEAD SYSTEM.
14. UPON INSTALLATION, BACKFLOW PREVENTION ASSEMBLIES ARE TO BE TESTED BY A CERTIFIED TESTER AND ALL TEST-COCKS ARE TO BE PLUGGED AFTER THE TEST. THEREAFTER, ANNUAL TESTS SHALL BE PERFORMED AT OWNER'S EXPENSE, AND COPIES OF TEST RESULTS SHALL BE PROVIDED.
15. CONCRETE VAULT SHALL HAVE ONE 4' X 4' OR TWO 3' X 3' STEEL HINGED DOORS.
16. BACKFLOW PREVENTION VALVES AND POST OR WALL INDICATING VALVES SHALL BE PROVIDED WITH UL CENTRAL STATION TAMPER SUPERVISION.

NOT TO SCALE

City of Tukwila	CROSS CONNECTION CONTROL
	DETECTOR DOUBLE CHECK VALVE AND VAULT
	SHEET: WS-15 2 OF 2
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



* **TRENCH DEPTHS**
DRAINAGE SYSTEM:
DIP: 18" MIN
PLASTIC PIPE: 24" MIN
WATER SYSTEM: 3' MIN, 6' MAX
SEWER SYSTEM: 18" MIN BELOW BOTTOM OF WATERMAIN

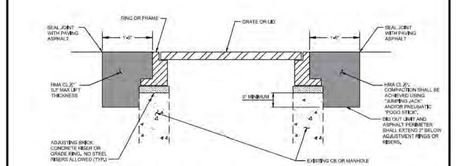
** **TRENCH WIDTHS**
DRAIN AND UNDERDRAIN: INSIDE DIAM + 12"
PIPES 15" AND SMALLER: INSIDE DIAM + 30"
PIPES 18" AND LARGER: (INSIDE DIAM * 1.5) + 18"

NOTE:

1. FOR PUBLICLY OWNED UTILITIES BACKFILL COMPACTION SHALL ACHIEVE 95% MAXIMUM DENSITY IN ROADWAYS AND 85% MAXIMUM DENSITY IN NON-TRAFFIC AREAS.
2. ALL BEDDING SHALL BE 5/8" MINUS CRUSHED ROCK (CSTC PER WSDOT 9-03.9(3)) COMPACTED TO 90% MAXIMUM DENSITY.
3. REFER TO RS-03 FOR PAVEMENT PATCHING.
4. PAVED AREAS: BACKFILL WITH 5/8" MINUS CRUSHED ROCK (CSTC PER WSDOT 9-03.9(3))
5. UNPAVED AREAS: BACKFILL WITH NATIVE MATERIAL APPROVED BY THE ENGINEER OR CRUSHED ROCK PER WSDOT 9-03.9.
6. SEPARATION LESS THAN 18 INCHES SHALL BE APPROVED BY THE ENGINEER. 6 INCHES OF ETHAFOAM PAD SHALL BE INSTALLED BETWEEN UTILITIES.

NOT TO SCALE

City of Tukwila	UTILITY TRENCH
	BEDDING AND BACKFILL
	SHEET: G-1
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



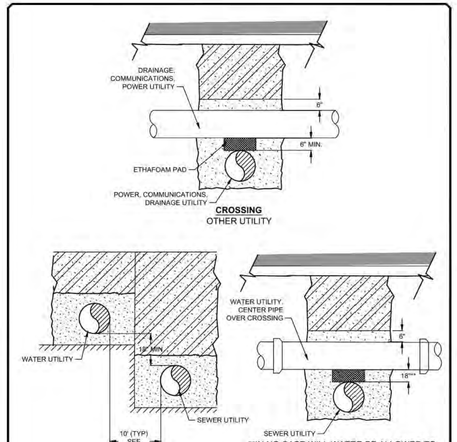
SECTION DETAIL THROUGH STRUCTURE

NOTE:

1. COMPACTION METHODS SHALL BE USED UNTIL MATERIAL REACHES A FIRM AND UNYIELDING CONDITION
2. UNPAVED AREAS: BACKFILL WITH NATIVE MATERIAL APPROVED BY THE ENGINEER OR CRUSHED ROCK PER WSDOT 9-03.9.

NOT TO SCALE

City of Tukwila	UTILITY ADJUSTMENT
	SHEET: G-2
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

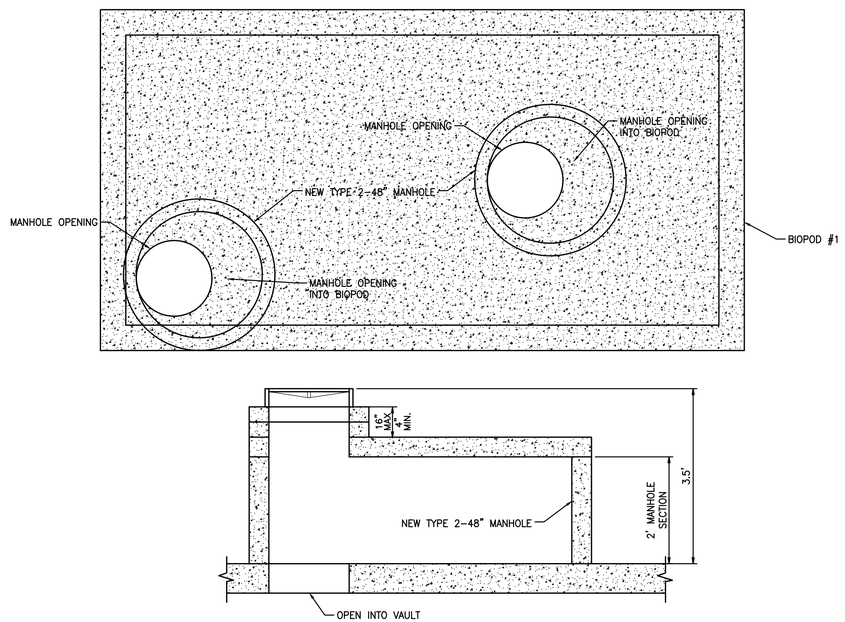


NOTE:

1. REFER TO G-1 FOR BACKFILL AND BEDDING STANDARDS.
2. A MINIMUM OF 5' SHALL BE APPROVED BY THE ENGINEER. REFER TO CHAPTERS 7 AND 8 OF THE CITY OF TUKWILA INFRASTRUCTURE DESIGN AND CONSTRUCTION STANDARDS.
3. VERTICAL SEPARATION LESS THAN 12 INCHES SHALL BE APPROVED BY THE ENGINEER.
4. WHERE 12" VERTICAL SEPARATION IS NOT ACHIEVABLE, 6" OF ETHAFOAM PAD SHALL BE INSTALLED BETWEEN UTILITIES.

NOT TO SCALE

City of Tukwila	UTILITY TRENCH
	SEPARATION AND CROSSING
	SHEET: G-5
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



BIOPOD#1 LID DETAIL

SCALE: NTS

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal – Vertical –

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

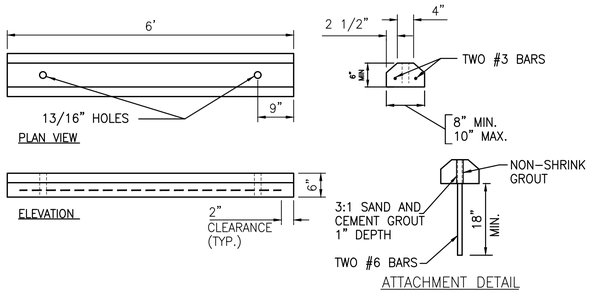
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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

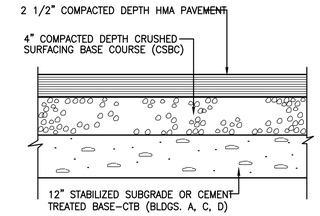
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



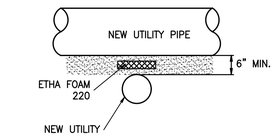
CONCRETE CURB STOP

NOT TO SCALE



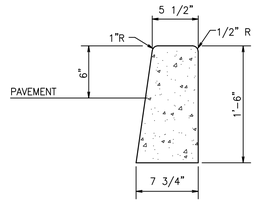
ON-SITE LIGHT DUTY PAVEMENT SECTION

NOT TO SCALE



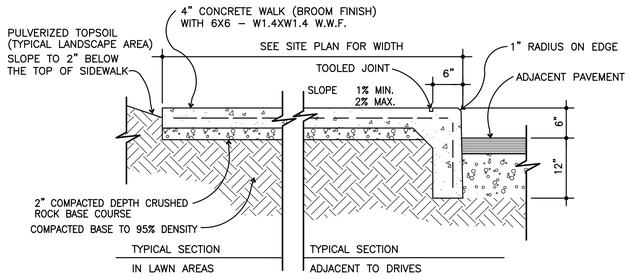
(ON-SITE ONLY)
MINIMUM CLEARANCE DETAIL

NOT TO SCALE



6" VERTICAL CURB

NOT TO SCALE

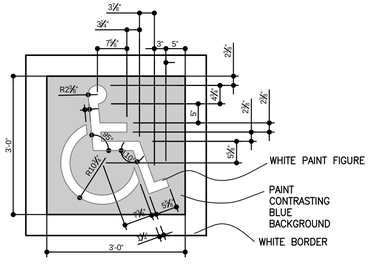


NOTES

A. SIDEWALKS WIDTH VARIES (WIDTH PER PLAN)
CONTROL JOINTS TO BE PLACED AT SPACING EQUAL TO SIDEWALK WIDTH.
B. PROVIDE EXPANSION JOINTS AT 28' TO 30' O.C. MAXIMUM.
C. WHEN WALK IS ADJACENT TO THE BUILDING PROVIDE 3/8" X 4" IMPREGNATED FIBERBOARD.

ON-SITE CONCRETE SIDEWALK W/6" RAISED CURB

NOT TO SCALE

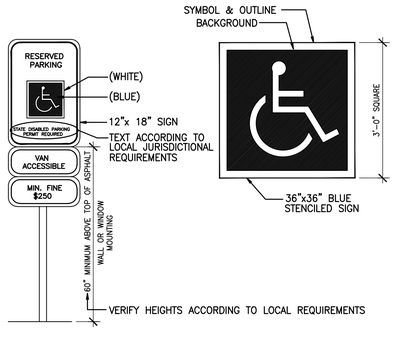


PAVEMENT INTERNATIONAL SYMBOL OF ACCESSIBILITY NOTES:

A. SYMBOL TO BE CENTERED ON WIDTH OF PARKING STALL.
B. BOTTOM OF SYMBOL TO BE LOCATED FLUSH WITH ACCESS DRIVE, CENTERED ON PARKING SPACE.
C. SYMBOL IS REQUIRED TO CONTRAST WITH BACKGROUND.

INTERNATIONAL SYMBOL OF ACCESSIBILITY

NOT TO SCALE

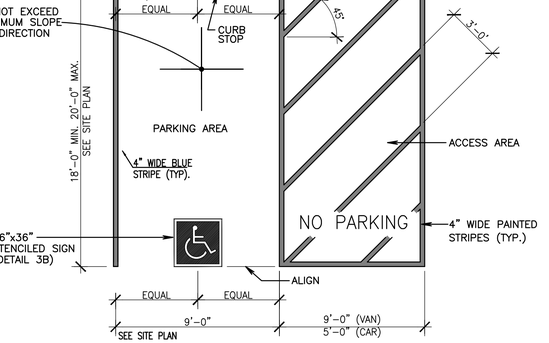


ON-SITE HEAVY DUTY PAVEMENT SECTION

NOT TO SCALE

MARKING DETAIL (ACCESSIBLE PARKING)

NOT TO SCALE



PORTLAND CEMENT CONCRETE PAVEMENT

NOT TO SCALE

ADA PARKING REQUIREMENTS

NOT TO SCALE

No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal - Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

JPULLIONO Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C38 of 46

File:P:\18000s\18182\vasbuilt\Phase 1 Civil\18182-D-PH1.dwg Date/Time:1/3/2022 4:20 PM Scale:1" = 1"

CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWINGS

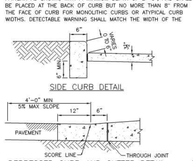
400 STREET PAVING & APPURTENANCES — STANDARD PLAN NO **422k**

REV DATE: JAN 2017

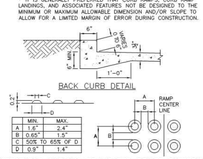
CURB RAMP GENERAL NOTES:

1. TWO CURB RAMPS SHALL BE INSTALLED AT EACH CORNER UNLESS OTHERWISE DIRECTED BY ENGINEER. SHARED DIAGONAL PERPENDICULAR RAMPS SHALL NOT BE INSTALLED UNLESS ALL OTHER DESIGN OPTIONS ARE UNABLE TO BE CONSTRUCTED DUE TO EXISTING SITE CONSTRAINTS.
2. CURB RAMPS SHALL BE AS CLOSELY ALIGNED WITH THE SIDEWALK AND THE PEDESTRIAN STREET CROSSING SERVED AS POSSIBLE.
3. CURB RAMP SHALL BE CONSTRUCTED WITH COMPANION RAMP ON OPPOSITE SIDE OF THE ROADWAY WHERE NO RAMP IS PROVIDED UNLESS OTHERWISE DIRECTED BY ENGINEER.
4. RAMPS SHALL TYPICALLY HAVE A MAXIMUM RUNNING SLOPE OF 8.3% AND A MINIMUM WIDTH OF 4'-0" UNLESS OTHERWISE DIRECTED BY ENGINEER. THE CROSS SLOPE OF RAMPS SHALL BE MAXIMUM OF 2%. CURB RAMPS ARE NOT REQUIRED TO EXCEED A LENGTH OF 15 FEET UNLESS OTHERWISE DIRECTED BY ENGINEER.*
5. GRADE BREAKS AT THE TOP AND THE BOTTOM OF CURB RAMP RUNS MUST BE PERPENDICULAR TO THE PATH OF TRAVEL. CURB RAMP RUNS ARE DEFINED BY RUNNING SLOPES THAT EXCEED 5% BUT ARE NO MORE THAN 8.3%. SURFACES ABUTTING AT CURB RAMP GRADE BREAKS SHALL BE FLUSH.
6. AREAS ADJACENT TO CURB RAMPS OR CURB RAMP LANDINGS USABLE BY PEDESTRIANS SHALL COMPLY WITH STANDARD PLAN. SIDEWALK SLOPE LIMITS OF A CURB RAMP MUST BE PROVIDED.*
7. DIAGONAL CURB RAMPS WITH CURB RAMP RUNS OR INSTALLATION OF CURVED EDGES ARE NOT REQUIRED BUT MAY BE USED AT THE SIDES OR BACKS OF CURB RAMPS. OR CURB RAMP LANDING WHERE THE ADJACENT SURFACE IS LANDSCAPED OR OTHERWISE NOT USABLE BY PEDESTRIANS.
8. THE COUNTER SLOPE OF THE GUTTER OR THE STREET AT THE BOTTOM OF CURB RAMP RUNS SHALL BE 5% MAXIMUM. IF TURNING OR CHANGE OF ORIENTATION IS REQUIRED WITHIN THE PEDESTRIAN CROSSING AT THE BOTTOM OF CURB RAMP RUNS, THE SLOPE SHALL BE 2% MAXIMUM IN ANY DIRECTION FOR A MINIMUM 4'-0" WIDTH x 4'-0" DEPTH MEASURED FROM THE RAMP BOTTOM GRADE BREAK.
9. CURB RAMPS WITH RAMP RUNS THAT TERMINATE AT THE ENTRANCE TO PEDESTRIAN STREET CROSSING SHALL HAVE A CLEAR SPACE AT THE BOTTOM OF THE RAMP 4'-0" MINIMUM IN WIDTH AND SHALL EXTEND A MINIMUM 4'-0" BEYOND THE RAMP LOWER GRADE BREAK. THE CLEAR SPACE SHALL FALL WHOLLY WITHIN THE LEGAL CROSSWALK, MARKED OR UNMARKED.
10. DETECTABLE WARNING SHALL BE PROVIDED AT CURB RAMPS AND AT LOCATIONS WHERE THE SIDEWALK AND ROADWAY ARE FLUSH. THE DETECTABLE WARNING SURFACE SHALL HAVE A TRUNCATED DOME PATTERN AS SHOWN, WITH A MINIMUM DEPTH OF 2"-0", AND SHALL BE PLACED AT THE BACK OF CURB BUT NO MORE THAN 6" FROM THE FACE OF CURB FOR MONOLITHIC CURBS OR ATYPICAL CURB WIDTHS. DETECTABLE WARNING SHALL MATCH THE WIDTH OF THE RAMP RUN OR THE OPENING WHERE THE SIDEWALK AND ROADWAY ARE FLUSH. THE TRUNCATED DOMES ON THE DETECTABLE WARNING SURFACE SHOULD ALIGN WITH THE CURB RAMP RUN OR THE DIRECTION OF TRAVEL. DOMES MAY BE ON A RADIAL GRID PATTERN WHERE THE DETECTABLE WARNING SURFACE IS PLACED AT CURB RADII.
10. DETECTABLE WARNING COLOR SHALL BE "FEDERAL SAFETY YELLOW", UNLESS OTHERWISE DIRECTED BY ENGINEER.
11. DETECTABLE WARNING SURFACES SHOULD GENERALLY NOT BE CUT OR ALTERED TO FIT UNLESS THERE IS NO ALTERNATIVE AVAILABLE. IF REQUIRED, CUT OR ALTER THE DETECTABLE WARNING SURFACE PER THE MANUFACTURER'S DIRECTIONS. DETECTABLE WARNING SURFACES PLACED AT CURB RADII SHALL MATCH THE CURB RADII WITHOUT GAPS OR INCONSISTENCIES IN PLACEMENT.
12. AVOID LOCATED HANDHOLES, UTILITY CASTINGS, OR ANY OTHER OBSTRUCTIONS IN THE CURB RAMP RUN(S) OR LANDING(S). IF NECESSARY DUE TO EXISTING CONSTRAINTS, HANDHOLES, UTILITY CASTINGS, OR OTHER OBSTRUCTIONS MAY BE LOCATED WITHIN A RAMP RUN, LANDING, OR TURNING SPACE BUT MUST ADHERE TO SURFACE REQUIREMENTS. LEVEL CHANGES BETWEEN SURFACES MUST NOT EXCEED ¼" OR ½" WITH A 1:2 BEVEL. GAPS BETWEEN SURFACES OR GRATINGS MAY NOT EXCEED ½". SURFACES MUST BE FIRM, STABLE, AND SLIP RESISTANT.
13. HANDHOLES, UTILITY CASTINGS, OR OTHER OBSTRUCTIONS SHALL NOT REDUCE THE REQUIRED DEPTH OF DETECTABLE WARNING.
14. POLES, HYDRANTS AND OTHER ABOVE GROUND OBSTRUCTIONS SHALL HAVE A MINIMUM LATERAL CLEARANCE OF 1'-0" FROM THE UPPER LANDING AND RAMP SURFACE.
15. ALL CHANGES IN LEVEL ACROSS JOINTS SHALL BE FLUSH. ANY DIFFERENCE IN ELEVATION OF 1/16 INCH OR GREATER SHALL BE REPAIRED OR REPLACED.
16. CURB RAMPS SHALL BE DESIGNED AND CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON RAMP SURFACES. GUTTER FLOW LINE SHALL BE EXTENDED BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ENSURE PONDING OF WATER SHALL NOT OCCUR AT THE BOTTOM OF CURB RAMPS OR AT CURB RAMP LOWER LANDINGS.
17. ALL SLOPE GRADES SHALL BE MEASURED OFF THE HORIZON-LINE. IF EXISTING SITE CONDITIONS CONFLICT WITH OBTAINING GRADES SHOWN, THE DESIGNER / CONTRACTOR SHALL MAKE MINIMUM ADJUSTMENTS TO THE GRADES SHOWN TO MEET EXISTING SITE CONDITIONS; ADJUSTMENTS ARE SUBJECT TO ENGINEER APPROVAL.

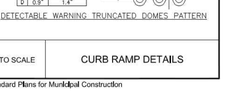
* IT IS GENERALLY PREFERRED THAT CURB RAMPS, CURB RAMP LANDINGS, AND ASSOCIATED FEATURES NOT BE DESIGNED TO THE MINIMUM OR MAXIMUM ALLOWABLE DIMENSION AND/OR SLOPE TO ALLOW FOR A LIMITED MARGIN OF ERROR DURING CONSTRUCTION.



SIDE CURB DETAIL



BACK CURB DETAIL



DETECTABLE WARNING TRUNCATED DOMES PATTERN

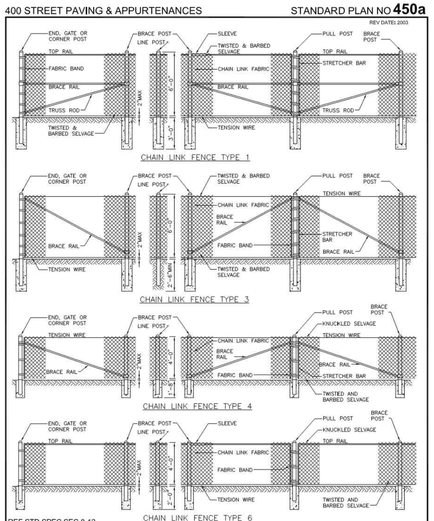
REF STD SPEC SEC 8-14

City of Seattle | NOT TO SCALE | CURB RAMP DETAILS

2017 Edition City of Seattle Standard Plans for Municipal Construction

400 STREET PAVING & APPURTENANCES — STANDARD PLAN NO **450a**

REV DATE: 2003



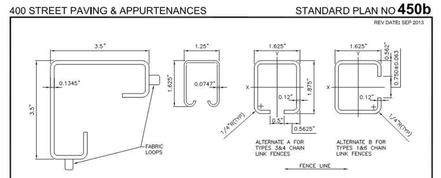
REF STD SPEC SEC 8-12

City of Seattle | NOT TO SCALE | CHAIN LINK FENCE

2017 Edition City of Seattle Standard Plans for Municipal Construction

400 STREET PAVING & APPURTENANCES — STANDARD PLAN NO **450b**

REV DATE: SEP 2013



ROLL FORMED SECTIONS

MEMBER

TYPE	BRACE RAIL & TOP RAIL					LINE & BRACE POST				
	ROUND		H-COLUMN		ROLL FORMED	ROUND		H-COLUMN		ROLL FORMED
	ID PIPE INCHES	WEIGHT PER FT POUNDS	SIZE INCHES	WEIGHT PER FT POUNDS	SIZE INCHES / WEIGHT PER FT POUNDS	ID PIPE INCHES	WEIGHT PER FT POUNDS	SIZE INCHES	WEIGHT PER FT POUNDS	SIZE INCHES / WEIGHT PER FT POUNDS
1	1.25	2.27	1.25X1.62	1.35	1¾x¾ 1.35	2	3.65	2½	4.0	
3						1½	2.72	1⅝	2.72	1⅝x1⅝ 2.34
4						1½	2.72	1⅝	2.72	1⅝x1⅝ 2.34
6			1.25X1.62	1.35		2	3.65	2½	4.0	

MEMBER

TYPE	END, CORNER & PULL POSTS				GATE POST ROUND		ALL POSTS
	ROUND		H-COLUMN				
	ID PIPE INCHES	WEIGHT PER FT POUNDS	SIZE INCHES	WEIGHT PER FT POUNDS	SIZE INCHES	WEIGHT PER FT POUNDS	LENGTH
1	2½	5.79					8'-6"
3	2	3.65	3½x3½	5.14	3½	9.1	8'-6"
4	2	3.65					5'-6"
6	2½	5.79					5'-6"

NOTES:
1. ALL CONCRETE POST BASES MUST BE 10" MINIMUM DIAMETER, CL3000
2. POST SPACING SHALL BE 10'-0" MAXIMUM INTERVALS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. TOP OR BOTTOM TENSION WIRES MUST BE PLACED WITHIN THE LIMITS OF THE FIRST FULL FABRIC WEAVE
4. THE ILLUSTRATIVE DETAIL SHOWN HEREON MUST NOT BE CONSTRUED AS LIMITING TO HARDWARE DESIGN OR POST SELECTION FOR ANY PARTICULAR FENCE TYPE
5. CONCRETE OR GROUT AROUND POST AT GROUND LINE MUST BE MOUNDED FOR DRAINAGE

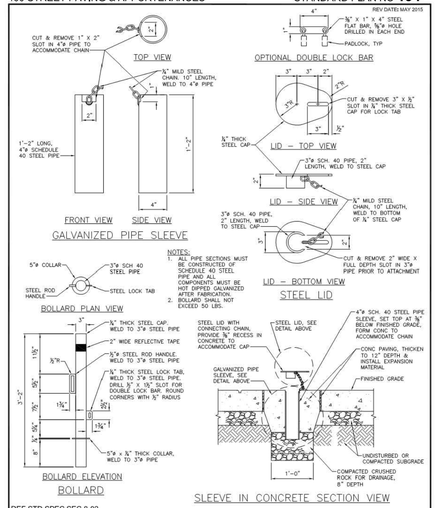
REF STD SPEC SEC 8-12

City of Seattle | NOT TO SCALE | CHAIN LINK FENCE

2017 Edition City of Seattle Standard Plans for Municipal Construction

400 STREET PAVING & APPURTENANCES — STANDARD PLAN NO **464**

REV DATE: MAY 2015



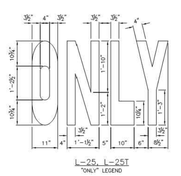
REF STD SPEC SEC 8-02

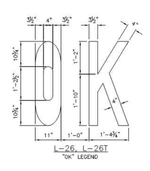
City of Seattle | NOT TO SCALE | REMOVABLE STEEL BOLLARD

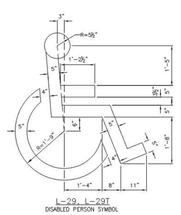
2017 Edition City of Seattle Standard Plans for Municipal Construction

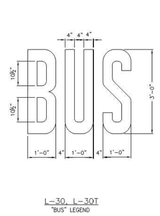
700 PAVEMENT MARKINGS — STANDARD PLAN NO **721a**

REV DATE: JAN 2017







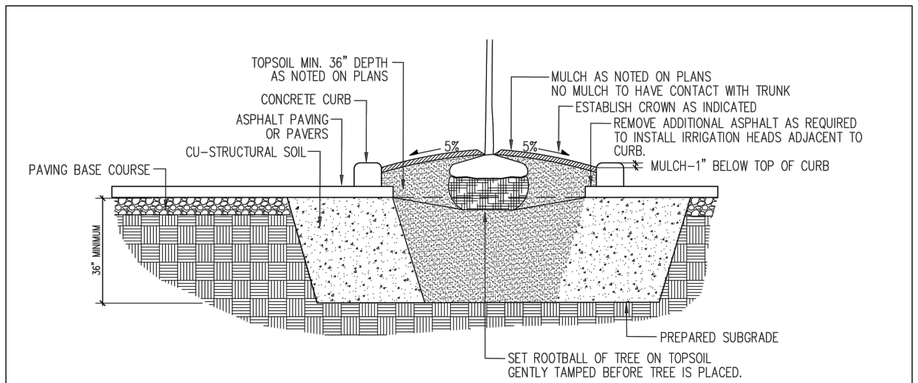


NOTE:
"T"= THERMOPLASTIC

REF STD SPEC SEC 8-22

City of Seattle | NOT TO SCALE | PAVEMENT MARKINGS LEGENDS/SYMBOLS

2017 Edition City of Seattle Standard Plans for Municipal Construction



NOTE:
1. CU–STRUCTURAL SOIL TO BE PROVIDED FROM A LICENSED PRODUCER. SUPPLIED BY PACIFIC TOPSOILS, INC.
2. INSTALL CU–STRUCUTRAL SOIL AS SPECIFIED BY CU STRUCTURAL SOILS–A COMPREHENSIVE GUIDE. COMPACT TO 95% COMPACTION PER ASTM D698. SOIL TO BE COMPACTED IN 6" LIFTS. MINIMUM DEPTH OF CU–STRUCTURAL SOIL TO BE 36" BELOW PAVING. REFER TO PLANS FOR LIMITS OF CU–STRUCTURAL SOIL.
3. INSTALL TOPSOIL AS SPECIFIED ON LANDSCAPE PLANS TO A DEPTH OF 36" BELOW PAVING AND ADD ADDITIONAL TOPSOIL AS NEEDED FOR A CROWN WITH 5% SIDE SLOPES IN PLANTER.

5 TREE PLANTING / PARKING LOT ISLAND
NTS

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

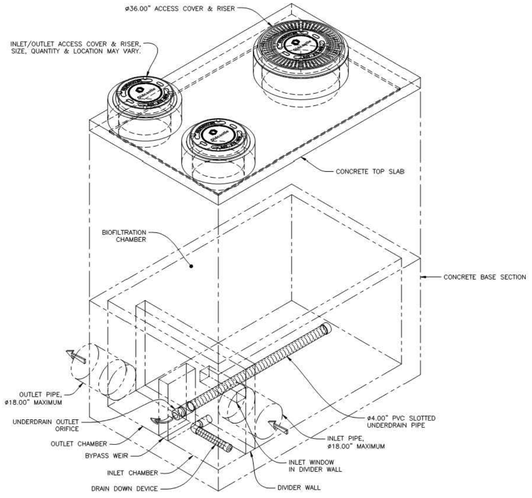
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Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22
Xref: ~~~~ JPULLICINO Scale:1" = 1"

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C39 of 46

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON



ISOMETRIC VIEW
FILTER MEDIA & DRAIN ROCK NOT SHOWN FOR CLARITY.
SCALE: 1X

NOTES:
1. LEFT CONFIGURATION SHOWN, MIRROR RIGHT CONFIGURATION OF INLET AND OUTLET CHAMBER AVAILABLE.
2. CONTACT OLDCASTLE INFRASTRUCTURE FOR ENGINEERING ASSISTANCE AND DETAIL DRAWINGS.
3. CONCRETE COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C890 & C913.

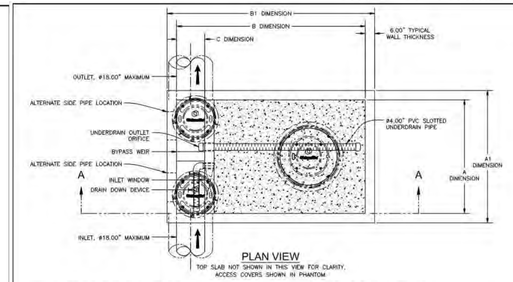
US Patents Pending

BioPod™ Biofilter Underground
Vault with Internal Bypass
Bioretention/ Biofiltration

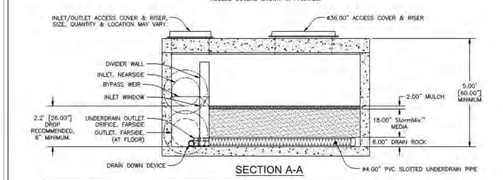
Oldcastle Infrastructure
A CRH COMPANY

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DRAWING NO.	REV	ECO	DATE	SHEET
BPU-IB	C	ECO-0169 CJS 3/6/20	PPS 3/9/20	SHEET 1 OF 2



PLAN VIEW
TOP SLAB NOT SHOWN IN THIS VIEW FOR CLARITY, ACCESS COVERS SHOWN IN PHANTOM.



SECTION A-A

MODEL	VAULT SIZE[1] (ID)			VAULT FOOTPRINT[1] (OD)		TREATMENT FLOW CAPACITY (GPM/CFS)	
	A DIM	B DIM	C DIM	A1 DIM	B1 DIM	1.6 GPM/SF (WA GULD[2])	1.8 GPM/SF (NJCAT[3])
BPU-46IB	4'	6'	1.5'	5'	7'	25.6 / 0.057	28.8 / 0.064
BPU-48IB	4'	8'	1.5'	5'	9'	38.4 / 0.086	43.2 / 0.096
BPU-412IB	4'	12'	1.5'	5'	13'	64.0 / 0.143	72.0 / 0.160
BPU-66IB	6'	6'	1.5'	7'	7'	38.4 / 0.086	43.2 / 0.096
BPU-68IB	6'	8'	1.5'	7'	9'	57.6 / 0.128	64.8 / 0.144
BPU-612IB	6'	12'	2'	7'	13'	91.2 / 0.203	102.6 / 0.229
BPU-812IB	8'	12'	2'	9'	13'	121.6 / 0.271	136.9 / 0.305
BPU-816IB	8'	16'	2'	9'	17'	172.8 / 0.385	194.4 / 0.433

[1] All Dimensions are nominal, ID=Inside Dimension, OD=Outside Dimension.
[2] Treatment flow capacity at 1.6 gpm/sf media surface area based on an WA Ecology GULD Approval for Basic, Enhanced & Phosphorus.
[3] Treatment flow capacity at 1.8 gpm/sf media surface area based on an NJCAT Verification & NJ DEP Certification.

SITE SPECIFIC DATA				
Structure ID				BioPod #1
Model Size				8x16
Orientation (Left or Right)				
Treatment Flow Rate (cfs)				.322
Peak Flow Rate (cfs)				
Rim Elevation				17.47
Pipe Data	Pipe Location (From or Side)	Pipe Size	Pipe Type	Invert Elevation
Inlet		18"	CPEP	10.45
Outlet		18"	CPEP	8.28
Notes:				

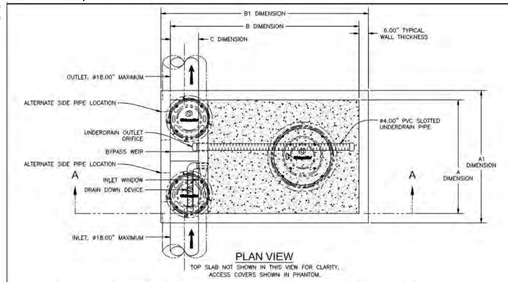
US Patents Pending

BioPod™ Biofilter Underground
Vault with Internal Bypass
Bioretention/ Biofiltration

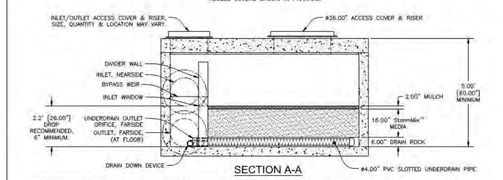
Oldcastle Infrastructure
A CRH COMPANY

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DRAWING NO.	REV	ECO	DATE	SHEET
BPU-IB	C	ECO-0169 CJS 3/6/20	PPS 3/9/20	SHEET 2 OF 2



PLAN VIEW
TOP SLAB NOT SHOWN IN THIS VIEW FOR CLARITY, ACCESS COVERS SHOWN IN PHANTOM.



SECTION A-A

MODEL	VAULT SIZE[1] (ID)			VAULT FOOTPRINT[1] (OD)		TREATMENT FLOW CAPACITY (GPM/CFS)	
	A DIM	B DIM	C DIM	A1 DIM	B1 DIM	1.6 GPM/SF (WA GULD[2])	1.8 GPM/SF (NJCAT[3])
BPU-46IB	4'	6'	1.5'	5'	7'	25.6 / 0.057	28.8 / 0.064
BPU-48IB	4'	8'	1.5'	5'	9'	38.4 / 0.086	43.2 / 0.096
BPU-412IB	4'	12'	1.5'	5'	13'	64.0 / 0.143	72.0 / 0.160
BPU-66IB	6'	6'	1.5'	7'	7'	38.4 / 0.086	43.2 / 0.096
BPU-68IB	6'	8'	1.5'	7'	9'	57.6 / 0.128	64.8 / 0.144
BPU-612IB	6'	12'	2'	7'	13'	91.2 / 0.203	102.6 / 0.229
BPU-812IB	8'	12'	2'	9'	13'	121.6 / 0.271	136.9 / 0.305
BPU-816IB	8'	16'	2'	9'	17'	172.8 / 0.385	194.4 / 0.433

[1] All Dimensions are nominal, ID=Inside Dimension, OD=Outside Dimension.
[2] Treatment flow capacity at 1.6 gpm/sf media surface area based on an WA Ecology GULD Approval for Basic, Enhanced & Phosphorus.
[3] Treatment flow capacity at 1.8 gpm/sf media surface area based on an NJCAT Verification & NJ DEP Certification.

SITE SPECIFIC DATA				
Structure ID				BioPod #2
Model Size				8x16
Orientation (Left or Right)				
Treatment Flow Rate (cfs)				.203
Peak Flow Rate (cfs)				
Rim Elevation				17.40
Pipe Data	Pipe Location (From or Side)	Pipe Size	Pipe Type	Invert Elevation
Inlet		12"	CPEP	8.28
Outlet		12"	CPEP	6.11
Notes:				

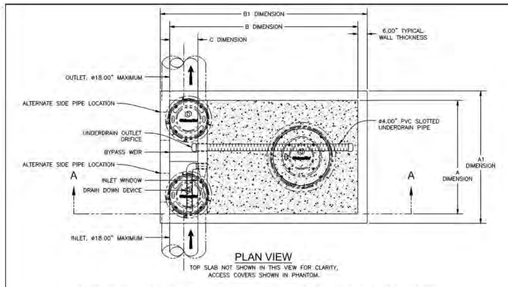
US Patents Pending

BioPod™ Biofilter Underground
Vault with Internal Bypass
Bioretention/ Biofiltration

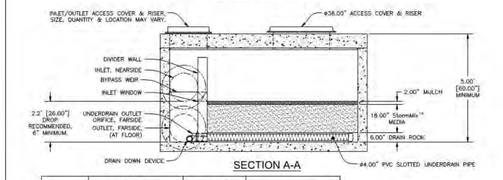
Oldcastle Infrastructure
A CRH COMPANY

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DRAWING NO.	REV	ECO	DATE	SHEET
BPU-IB	C	ECO-0169 CJS 3/6/20	PPS 3/9/20	SHEET 2 OF 2



PLAN VIEW
TOP SLAB NOT SHOWN IN THIS VIEW FOR CLARITY, ACCESS COVERS SHOWN IN PHANTOM.



SECTION A-A

MODEL	VAULT SIZE[1] (ID)			VAULT FOOTPRINT[1] (OD)		TREATMENT FLOW CAPACITY (GPM/CFS)	
	A DIM	B DIM	C DIM	A1 DIM	B1 DIM	1.6 GPM/SF (WA GULD[2])	1.8 GPM/SF (NJCAT[3])
BPU-46IB	4'	6'	1.5'	5'	7'	25.6 / 0.057	28.8 / 0.064
BPU-48IB	4'	8'	1.5'	5'	9'	38.4 / 0.086	43.2 / 0.096
BPU-412IB	4'	12'	1.5'	5'	13'	64.0 / 0.143	72.0 / 0.160
BPU-66IB	6'	6'	1.5'	7'	7'	38.4 / 0.086	43.2 / 0.096
BPU-68IB	6'	8'	1.5'	7'	9'	57.6 / 0.128	64.8 / 0.144
BPU-612IB	6'	12'	2'	7'	13'	91.2 / 0.203	102.6 / 0.229
BPU-812IB	8'	12'	2'	9'	13'	121.6 / 0.271	136.9 / 0.305
BPU-816IB	8'	16'	2'	9'	17'	172.8 / 0.385	194.4 / 0.433

[1] All Dimensions are nominal, ID=Inside Dimension, OD=Outside Dimension
[2] Treatment flow capacity at 1.6 gpm/sf media surface area based on an WA Ecology GULD Approval for Basic, Enhanced & Phosphorus.
[3] Treatment flow capacity at 1.8 gpm/sf media surface area based on an NJCAT Verification & NJ DEP Certification.

SITE SPECIFIC DATA				
Structure ID				BioPod #3
Model Size				8x16
Orientation (Left or Right)				
Treatment Flow Rate (cfs)				.315
Peak Flow Rate (cfs)				
Rim Elevation				18.00
Pipe Data	Pipe Location (From or Side)	Pipe Size	Pipe Type	Invert Elevation
Inlet		18"	CPEP	8.19
Outlet		18"	CPEP	6.02
Notes:				

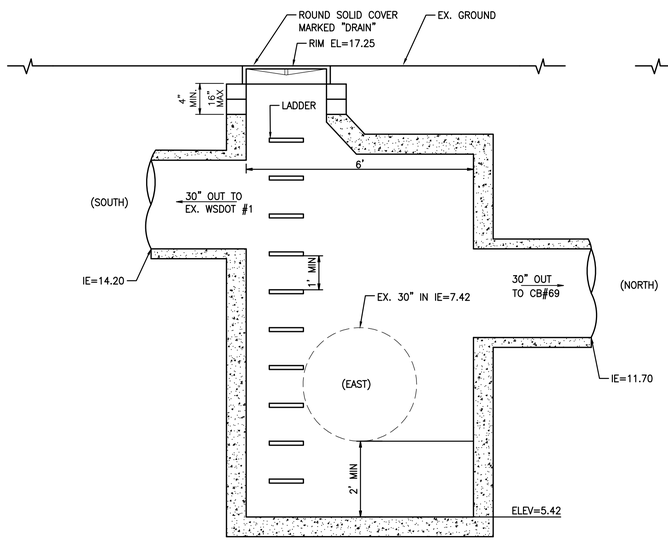
US Patents Pending

BioPod™ Biofilter Underground
Vault with Internal Bypass
Bioretention/ Biofiltration

Oldcastle Infrastructure
A CRH COMPANY

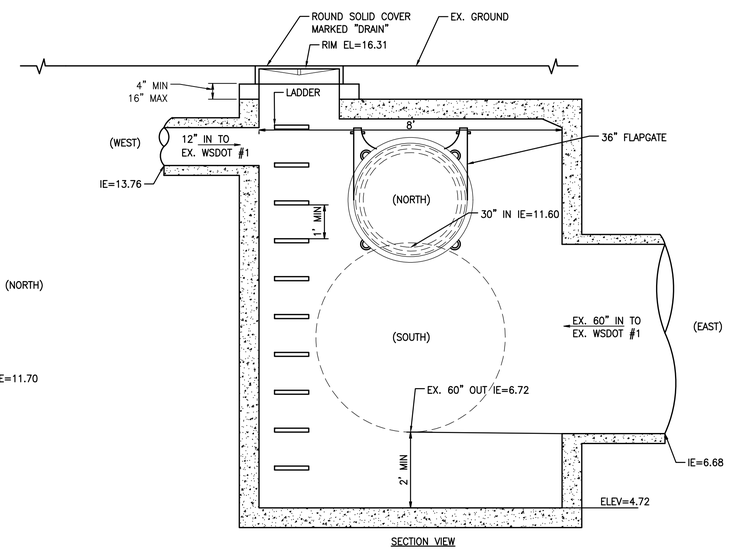
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DRAWING NO.	REV	ECO	DATE	SHEET
BPU-IB	C	ECO-0169 CJS 3/6/20	PPS 3/9/20	SHEET 2 OF 2



SECTION VIEW

CB#68 TYPE II-72" HIGH-FLOW BYPASS STRUCTURE
SCALE: 1" = 2'



SECTION VIEW

WSDOT#1 TYPE II-96" HIGH-FLOW BYPASS STRUCTURE
SCALE: 1" = 2'

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1 Vertical 1
Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22
Xref: ---- JPULLICINO Scale:1" = 1"

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C40 of 46

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SEATTLE DRAINAGE AND WASTEWATER CONTROL

FOR

PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,

CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

DRAINAGE & WASTEWATER CONTROL PLAN REQUIREMENTS

THIS PLAN SHALL SHOW A SITE PLAN INCLUDING ALL DRAINAGE FEATURES (HARD SURFACES, BMPS, DRAIN LINES, CATCH BASINS, INLETS, PUMPS, ETC.) AND ALL SIDE SEWER FEATURES (SERVICE DRAIN SIDE SEWERS AND SANITARY SIDE SEWERS AND THEIR APPROVED POINTS OF CONNECTION).

SEE THE INSTRUCTIONS FOR THE DRAINAGE AND WASTEWATER CONTROL PLAN ON THE SDCI STORMWATER CODE WEBPAGE AND VOLUME 1, CHAPTER 8 OF THE 2016 SEATTLE STORMWATER MANUAL FOR SITE PLAN AND DRAINAGE ELEMENTS REQUIRED ON THIS PLAN.
http://www.seattle.gov/dpd/codesrules/codes/stormwater/default.htm

THE DETAILS SHOWN IN THIS ARE A SELECTION OF COMMONLY USED ON-SITE STORMWATER MANAGEMENT BMPs. SEE THE CITY OF SEATTLE STORMWATER MANUAL, VOLUME 3, CHAPTER 5 (DIRECTOR'S RULE DPD 21-2016/SPU DWW-200) FOR ADDITIONAL ON-SITE STORMWATER MANAGEMENT BMPs AND AND ADDITIONAL REQUIREMENTS FOR ALL BMPs.

SITE AND DRAINAGE CONTROL SUMMARY SHEET

COMPLETE THE ELECTRONIC ON-SITE STORMWATER MANAGEMENT CALCULATOR AND INSERT THE SITE AND DRAINAGE CONTROL SUMMARY SHEET BELOW. THE ELECTRONIC DOCUMENT IS AVAILABLE ON THE DPD STORMWATER CODE WEBSITE.
http://www.seattle.gov/dpd/codesrules/codes/stormwater/default.htm

On-site Stormwater Management - List Approach Calculator
Site and Drainage Control Summary

Version 07-28-2017

To use the On-Site List Calculator you must select "Enable Content" when the Security Warning appears.

Project Information

Site Address	3301 S Northfolk Street	SDCI Project Number	6696313-CN
Primary Contact	James Pullicino	SDOT Project Number	N/A
Project Type	Parcel-Based	Primary Contact E-mail or Phone	425-251-6222

Total Site Area	492,602	sf
Total New plus Replaced Hard Surface Area	409,775	sf
Existing Hard Surface Area to Remain	25,427	sf
Total New and/or Replaced Lawn and Landscaping	57,400	sf
Undisturbed and protected site area	0	sf
Was the project lot created or reduced in size after Jan 1, 2016?	Yes	
Project Engineer	James Pullicino	Engineer E-mail: jpullicino@barghausen.com

On-site Stormater Management is required for ≥ 750 sf of new plus replaced area.

On-site Performance Standard will be used (professional engineer required)? No

Site Information

Note: If required for your project, reference the Preliminary Assessment Report (PAR) to complete this section. If the total areas proposed are different form those provided in the PAR, requirements may change.

Approved Point of Stormwater Discharge	Public Storm Drain Main
Drainage Basin	Designated Receiving Water
Is the downstream drainage system considered Capacity Constrained by SPU?	No
Approved Point of Wastewater Discharge	Public Sanitary Sewer Main
Approved Point of Sub-Surface Discharge	Direct to Receiving Water
Flow Control is required	No
Flow Control Standard	
Water Treatment for pollution-generating surfaces is required	Yes
Select required treatment	☐ Oil Control ☐ Phosphorus ☑ Enhanced ☐ Basic
Total Pollution Generating Hard Surface Area	435,202 sf
Total Pollution Generating Pervious Surface Area	0 sf
Source Control is required	Yes
Environmentally Critical Areas	Yes

☐ Steep Slope ☐ Potential Slide ☐ Riparian Corridor ☐ Wetland ☑ Liquefaction ☐ Flood Prone
☐ Landfill ☐ Known Landslide ☐ Fish / Wildlife ☐ Peat / Groundwater Management ☐ Shoreline Habitat

Temporary dewatering required	No
Permanent dewatering required	
Is there known soil and/or groundwater contamination on this site?	No
A licensed professional recommends dispersion not be used anywhere within the project site due to reasonable concerns of erosion, slope failure, or flooding.	No

Infiltration Information

Is infiltration investigation required?	Yes	Type of test:	Simple infiltration test
Is infiltration on the site feasible?	No	Why?	Site constraints make infiltration infeasible

Site Measured Infiltration Rate ____ x Infiltration Rate Correction Factor 0.5 = 0 Site Design Inf Rate

SPECIAL NOTES:

1. CITY OF TUKWILA LOW IMPACT DEVELOPMENT (LID) REQUIREMENTS APPLY FOR THIS PERMIT SET RATHER THAN THE CITY OF SEATTLE'S ON-SITE STORMWATER MANAGEMENT (OSM).

ON-SITE STORMWATER MANAGEMENT PLANTINGS

PLANTING GENERAL NOTES
1. PLANTS SHALL BE SITED ACCORDING TO SUN, SOIL, WIND AND MOISTURE REQUIREMENTS.
2. AT A MINIMUM, PROVISIONS MUST BE MADE FOR SUPPLEMENTAL IRRIGATION DURING THE FIRST TWO GROWING SEASONS.

BIORETENTION CELLS, PLANTERS AND RAIN GARDEN NOTES
1. FOR A LIST OF APPROVED PLANTS FOR BIORETENTION/RAIN GARDEN FACILITIES, SEE APPENDIX E, SECTION E-9 OF THE 2016 SEATTLE STORMWATER MANUAL.
2. VEGETATION COVERAGE OF SELECTED PLANS MUST ACHIEVE 90-PERCENT COVERAGE WITHIN 2 YEARS OR ADDITIONAL PLANTINGS SHALL BE PROVIDED. UNLESS DESIGNED BY A LICENSED LANDSCAPE ARCHITECT, PROVIDE A MINIMUM OF 1 PLANT PER EVERY 2 SQUARE FEET OF BIORETENTION BOTTOM AND SLOPED SIDE AREA.
3. PROVIDE A MINIMUM OF THREE DIFFERENT SPECIES OF SHRUBS AND HERBACEOUS PLANTS IN EACH FACILITY.

VEGETATED ROOF NOTES
1. APPROPRIATE PLANTS INCLUDE SUCCULENTS, GRASSES, HERBS, AND WILDFLOWERS THAT ARE ADAPTED TO HARSH CONDITIONS. PLANTS MAY BE INSTALLED AS PRE-GROWN MATS, INDIVIDUAL PLUGS, CUTTINGS, OR SPREAD AS SEEDS.
2. VEGETATION COVERAGE OF SELECTED PLANS MUST ACHIEVE 80-PERCENT COVERAGE WITHIN 2 YEARS OR ADDITIONAL PLANTINGS SHALL BE PROVIDED.
3. A LANDSCAPE MANAGEMENT PLAN SHALL BE DEVELOPED AND IMPLEMENTED.

SIDE SEWER AND DRAINAGE PERMIT NOTES

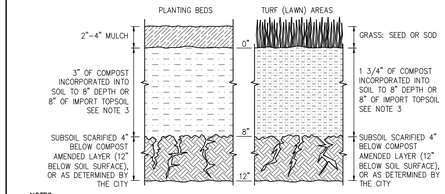
1. SIDE SEWERS AND DRAINAGE FACILITIES SHALL BE CONSTRUCTED PER THE "REQUIREMENTS FOR DESIGN OF SIDE SEWERS (DRAINAGE & WASTEWATER)" DIRECTORS' RULE DPD 4-2011/2011-004 AND PER THE "2016 SEATTLE STORMWATER MANUAL" DIRECTORS' RULE DPD 21-2015/SPU DWW-200.
2. A SEPARATE DRAINAGE AND SIDE SEWER PERMIT IS REQUIRED FOR ALL ONSITE DRAINAGE ELEMENTS AND SIDE SEWERS/SERVICE DRAINS. APPROVAL OF THIS PLAN IS REQUIRED PRIOR TO OBTAINING A DRAINAGE AND SIDE SEWER PERMIT.
3. RE-USE OF EXISTING SIDE SEWERS WHEN THERE WILL BE AN INCREASE IN LIVING UNITS REQUIRES THE EVALUATION AND CERTIFICATION (PE EVAL/CERT) OF THE EXISTING SIDE SEWER BY A PROFESSIONAL ENGINEER PRIOR TO FINALIZING THE SIDE SEWER AND DRAINAGE PERMIT. IN MOST CASES, THE SIDE SEWER MUST BE LINED ALL THE WAY TO THE MAIN. SEE DIRECTORS RULE 4-2011V.M AND SMC 21.16.240.
4. IN ORDER TO ADD UNITS TO AN EXISTING SIDE SEWER, A CERTIFIED LETTER STATING THE INTENT TO ADD UNITS TO THE SHARED SIDE SEWER MUST BE SENT TO ALL PROPERTY OWNERS OF PARCELS SERVED BY THE SHARED SIDE SEWER AT LEAST 30 DAYS PRIOR TO APPLYING FOR THE SIDE SEWER PERMIT. SMC 21.16.240.C. A RECEIPT OF CERTIFIED MAILING AND THE CERTIFICATION/ATTESTATION OF MAILING NOTIFICATION MUST BE SUBMITTED TO SDCI PRIOR TO PERMIT ISSUANCE.
5. DEVIATIONS FROM THE APPROVED DRAINAGE AND WASTEWATER CONTROL PLAN MAY REQUIRE A FORMAL POST-SUBMITTAL REVISION FOR PLAN REVIEW AND APPROVAL. POST-SUBMITTAL REVISIONS MUST BE SUBMITTED ELECTRONICALLY THROUGH THE SDCI PROJECT PORTAL.

SOURCE CONTROL BMPS

BMP 1	ELIMINATE ILLICIT CONNECTIONS
BMP 2	PERFORM ROUTINE MAINTENANCE
BMP 3	DISPOSE OF FLUIDS AND WASTES PROPERLY
BMP 4	PROPER STORAGE OF SOLID WASTES
BMP 5	SPILL PREVENTION AND CLEANUP
BMP 6	PROVIDE OVERSIGHT AND TRAINING FOR STAFF
BMP 7	SITE MAINTENANCE
BMP 27	LOT MAINTENANCE AND STORAGE

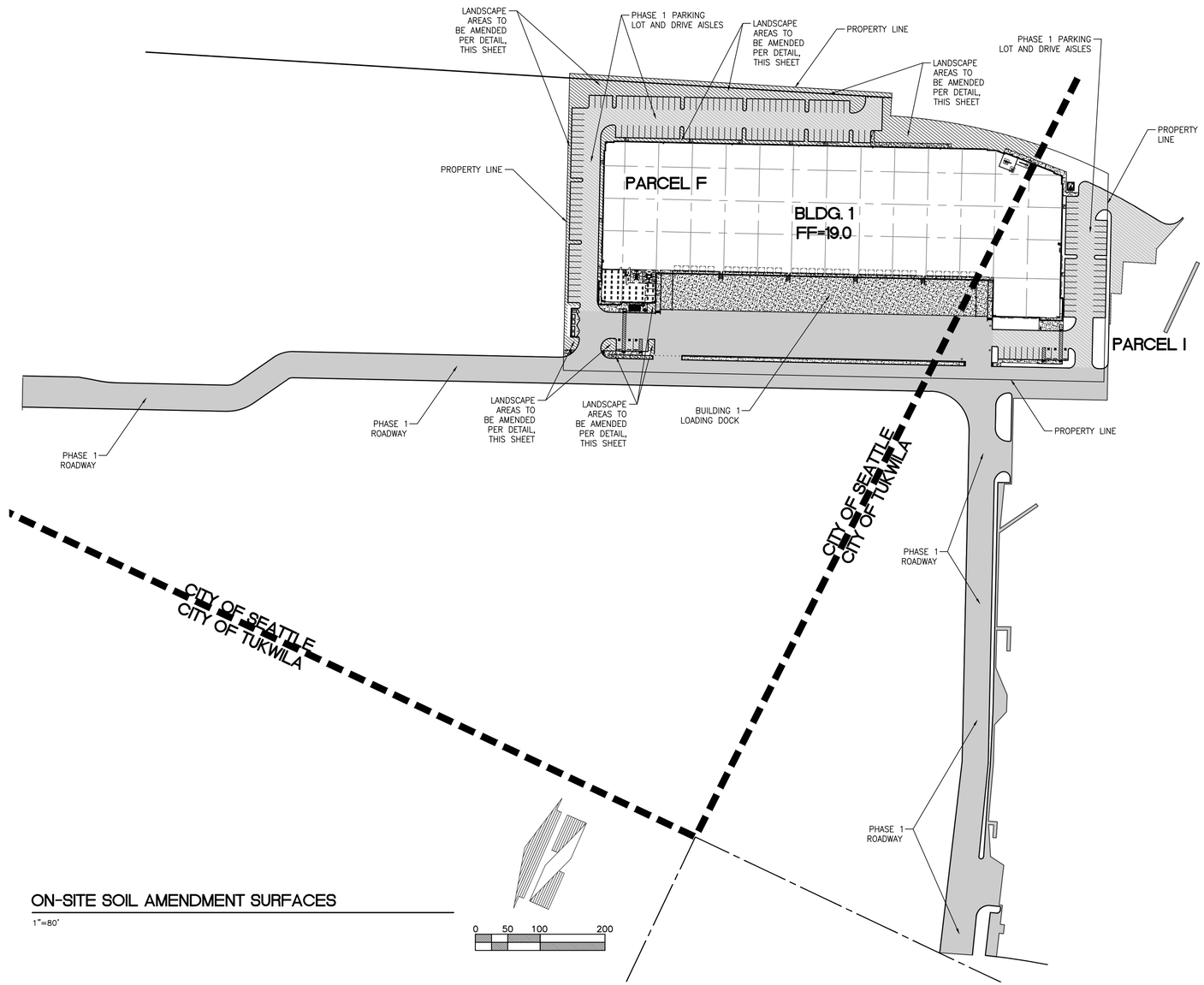
SEE DRAINAGE REPORT FOR FURTHER DETAIL

SOIL AMENDMENT



NOTES:
1. POST CONSTRUCTION SOIL AMENDMENT IS REQUIRED ON ALL AREAS NOT COVERED BY IMPERVIOUS SURFACE WHERE SOIL IS DISTURBED DURING CONSTRUCTION.
2. SOIL AMENDMENT MUST PASS A 12 INCH MINIMUM PROBE TEST.
3. IMPORT TOPSOIL, IF USED, MUST MEET THE REQUIREMENTS OF THE 2016 SEATTLE STORMWATER MANUAL, VOL. 1, SECTIONS 5.1.5.1 AND 5.1.5.3.

SYMBOL: (SA) AREA REQUIRING SOIL AMENDMENT (ND) NON-DISTURBED AREA (SOIL AMENDMENT NOT REQUIRED)



ON-SITE SOIL AMENDMENT SURFACES

1"=80'

0 50 100 200

No.	Date	By	Chkd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: SEATTLE DRAINAGE AND WASTEWATER CONTROL FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal 1" = 100' Vertical - Xref: ~~~~

Designed JEP Drawn ___ JEP Checked JEP Approved DKB Date 1/7/22 JPULLICINO Scale1" = 1"

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182 Sheet C41 of 46

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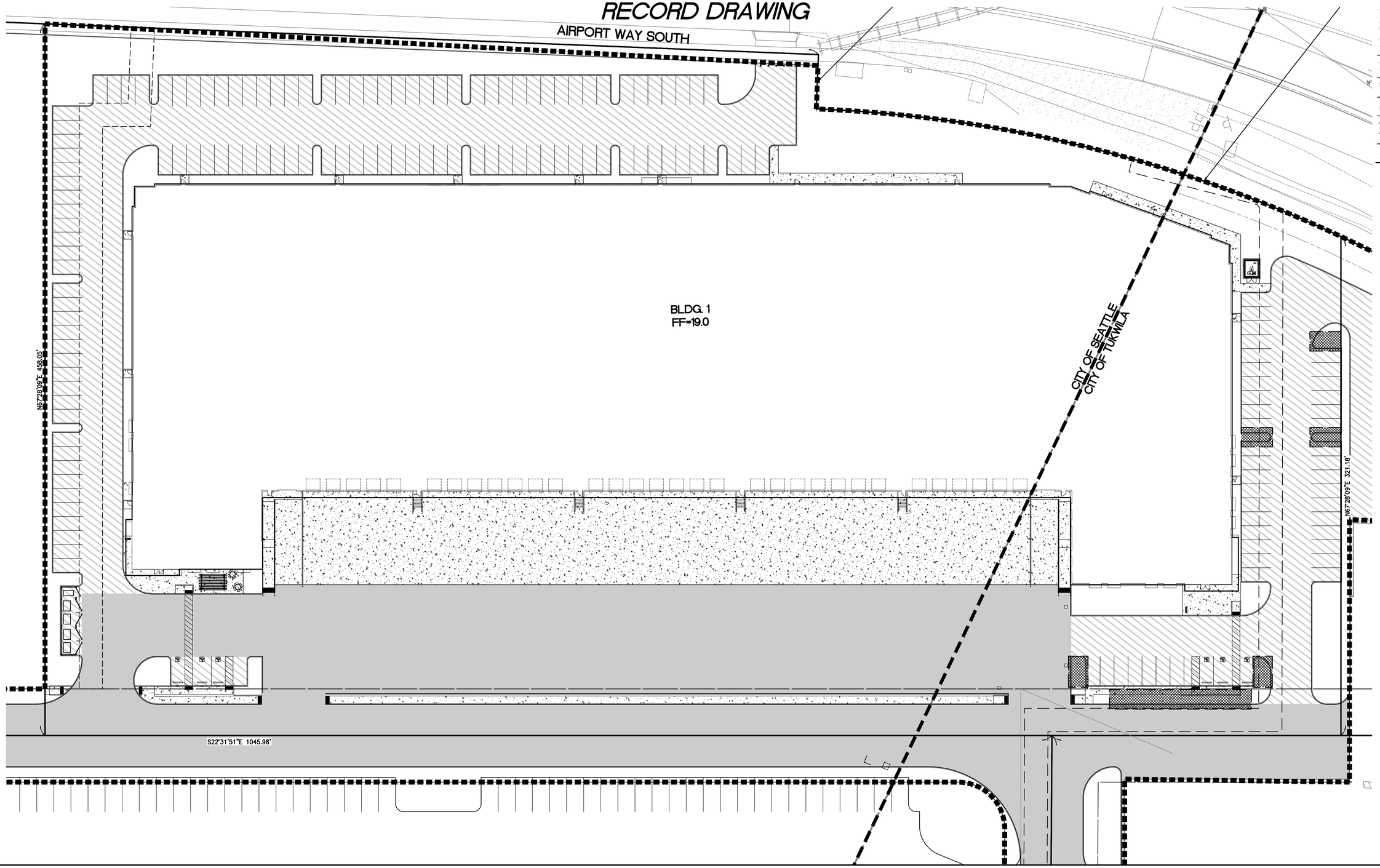
811
Know what's **below.**
Call before you dig.

0 15 30 60

TUKWILA STRUCTURAL SOILS PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON
RECORD DRAWING

LEGEND

STRUCTURAL SOILS AREA
SEE DETAIL SHEET C39.
STRUCTURAL SOILS MUST BE INSTALLED **BEFORE** PAVING OR THE PAVEMENT WILL NEED TO BE REMOVED AND STRUCTURAL SOILS INSTALLED.



No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: TUKWILA STRUCTURAL SOILS PLAN FOR PROLOGIS EMERALD GATEWAY - PHASE 1

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale:		Designed	JEP
Horizontal	1"=30'	Drawn	JEP
Vertical	-	Checked	JEP
		Approved	DKB
		Date	1/7/22

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18215 72nd Avenue South
Kent, WA 98032
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Job Number 18182

Sheet C42 of 46

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EXISTING UTILITY REFERENCE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

BUILDING & SITE STATISTICS

NEW OFFICE AREA WITHIN EXIST'G WAREHOUSE

- BUILDING CODE: '96
- ZONING: Industrial
- SETBACKS: 0
- BUILDING TYPE: V-N Sprinklered
- HEIGHT LIMIT: 35'
- OCCUPANCY GROUP: B-2 Warehouse/OFFICE
- Separation on 4 sides or more than 60' allows unlimited area
- OCCUPANT LOAD OF OFFICE AREA: 1ST FLOOR = 2792 ÷ 100 = 27.9
  2ND FLOOR = 2716 ÷ 100 = 27.8
  TOTAL = 55.7

Existing site area is within an existing building and existing storm sewer system has been calculated for impervious surfaces. No increase in impervious areas will result from this building.

BUILDING	TOTAL S.F.	NUMBER STORIES	JURISDICTION	CARS REQ'D
A. Corporate Office	72,450 s.f.	2	Seattle	72.45
B. Truck Repair	5,950 s.f.	1	Seattle	3
C. Truck Service	11,200 s.f.	1	Seattle	5.6
D. Grocery Whse.	600,000 s.f.	1	Seattle	300
E. Salvage	14,000 s.f.	1	Seattle	7
Totals within Seattle	703,600 s.f.			388 stalls
Parking Requirements:	Office Administration 1/1000 s.f. Warehousing & Storage 1/2000 s.f.			
F. Perishables	284,128 s.f.	1	Tukwila	284.1
G. Maintenance	3,600 s.f.	1	Tukwila	3.6
H. Warehouse	4,000 s.f.	1	Tukwila	4.0
I. Guard Station	600 s.f.	1	Tukwila	.6
J. Truck Wash	3,000 s.f.	1	Tukwila	3
K. Credit Union	9,000 s.f.	1	Tukwila	22.5
				318.8 stalls
NEW CONSTRUCTION				
D. OFFICE MEZZANINE	6776 s.f.	2	SEATTLE	2.8 stall
			TOTAL	709.4
Parking Requirements:	Office, Banks, Business & Commercial			2.5/1000
	Industrial			1/1000

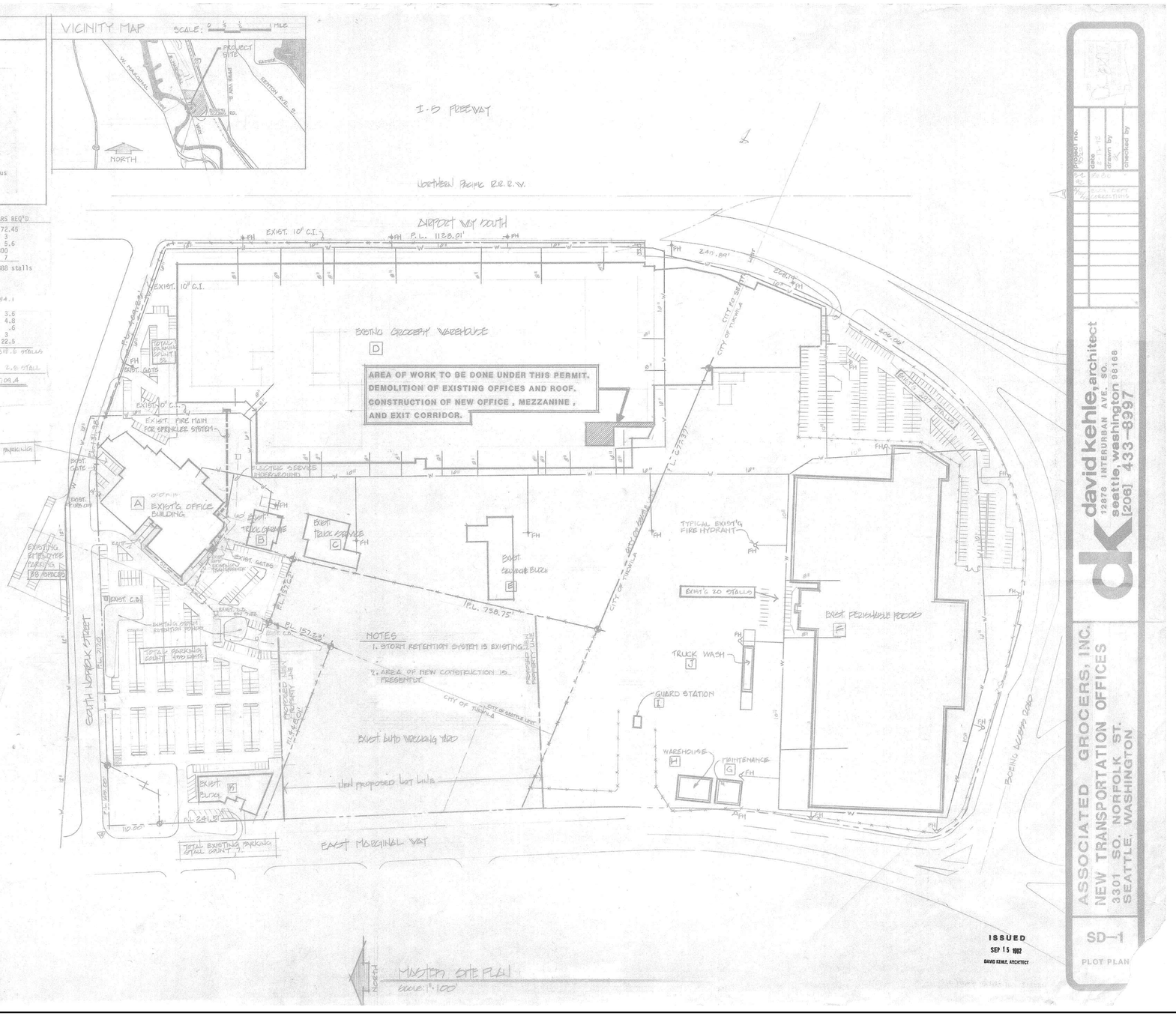
Total Parking Shown: 907.0 stalls
Total Required: 709.4 stalls

TOTAL EXISTING PARKING STALL COUNT = 907

BOEING/KING CO. AIRPORT

VICINITY MAP

SCALE: 0 ¼ ½ 1 MILE



No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: EXISTING UTILITY REFERENCE PLAN

FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal –, Vertical –

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 1/7/22

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david kehle, architect
12878 INTERURBAN AVE. SO.
seattle, washington 98168
[206] 433-8997

ASSOCIATED GROCERS, INC.
NEW TRANSPORTATION OFFICES
3301 SO. NORFOLK ST.
SEATTLE, WASHINGTON

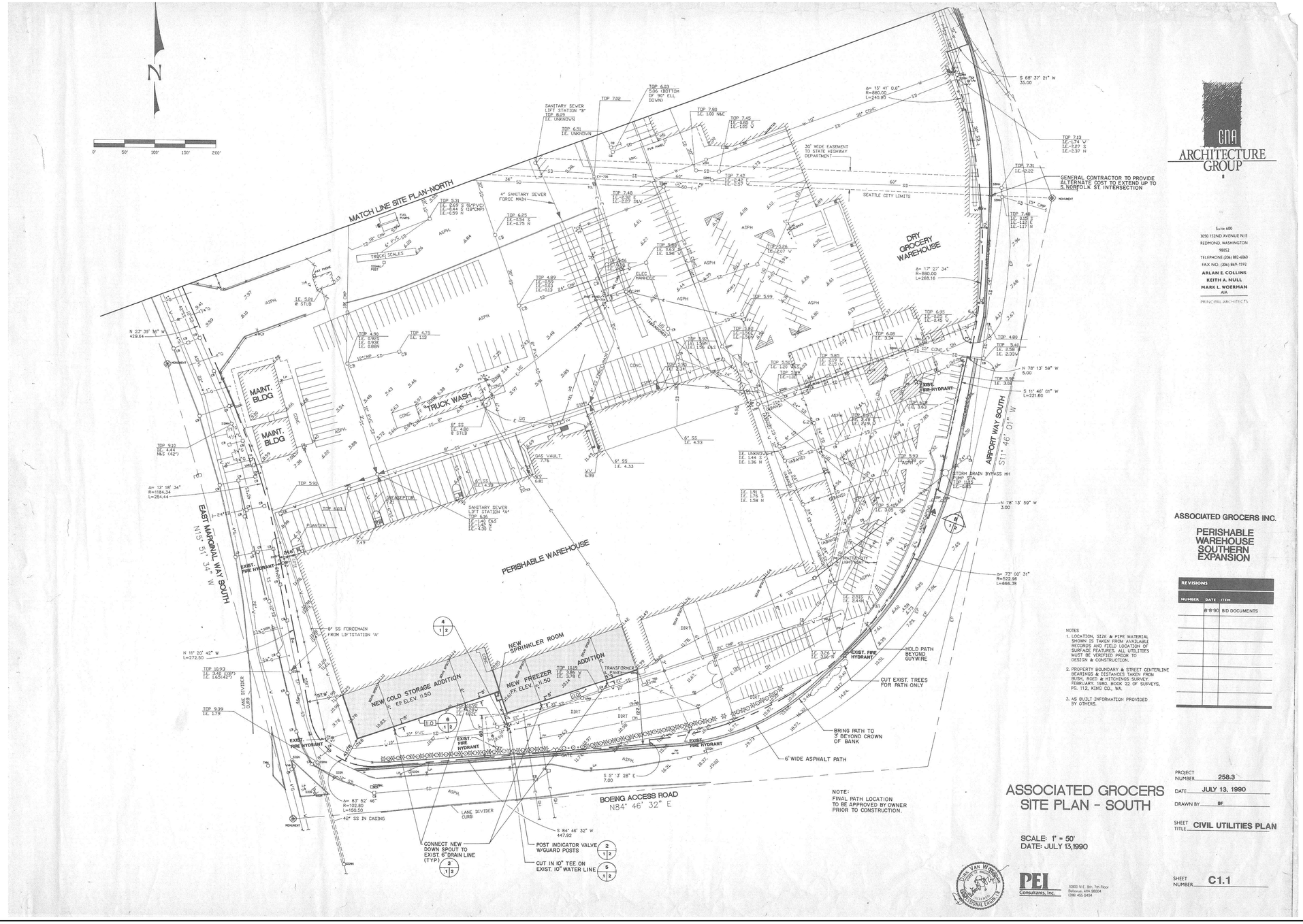
Job Number 18182

Sheet C43 of 46

EXISTING UTILITY REFERENCE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



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3050 152ND AVENUE N/E
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KEITH A. NULL
MARK L. WOERMAN
AIA
PRINCIPAL ARCHITECTS

ASSOCIATED GROCERS INC.

PERISHABLE WAREHOUSE SOUTHERN EXPANSION

REVISIONS		
NUMBER	DATE	ITEM
	8-9-90	BID DOCUMENTS

NOTES
1. LOCATION, SIZE & PIPE MATERIAL SHOWN IS TAKEN FROM AVAILABLE RECORDS AND FIELD LOCATION OF SURFACE FEATURES. ALL UTILITIES MUST BE VERIFIED PRIOR TO DESIGN & CONSTRUCTION.
2. PROPERTY BOUNDARY & STREET CENTERLINE BEARINGS & DISTANCES TAKEN FROM BUSH, RODD & HITCHINGS SURVEY, FEBRUARY, 1980, BOOK 22 OF SURVEYS, PG. 112, KING CO., WA.
3. AS BUILT INFORMATION PROVIDED BY OTHERS.

NOTE:
FINAL PATH LOCATION TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.

ASSOCIATED GROCERS SITE PLAN - SOUTH

SCALE: 1" = 50'
DATE: JULY 13,1990

PROJECT NUMBER 258.3
DATE JULY 13, 1990
DRAWN BY BF
SHEET TITLE CIVIL UTILITIES PLAN
SHEET NUMBER C1.1

DANIEL VAN WESTRUM — STATE OF WASHINGTON — 22400 — REGISTERED PROFESSIONAL ENGINEER

PEI Consultants, Inc. 10800 N.E. 8th. 7th Floor Bellevue, WA 98004 (206) 455-3434

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: EXISTING UTILITY REFERENCE PLAN

FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale: Horizontal - Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

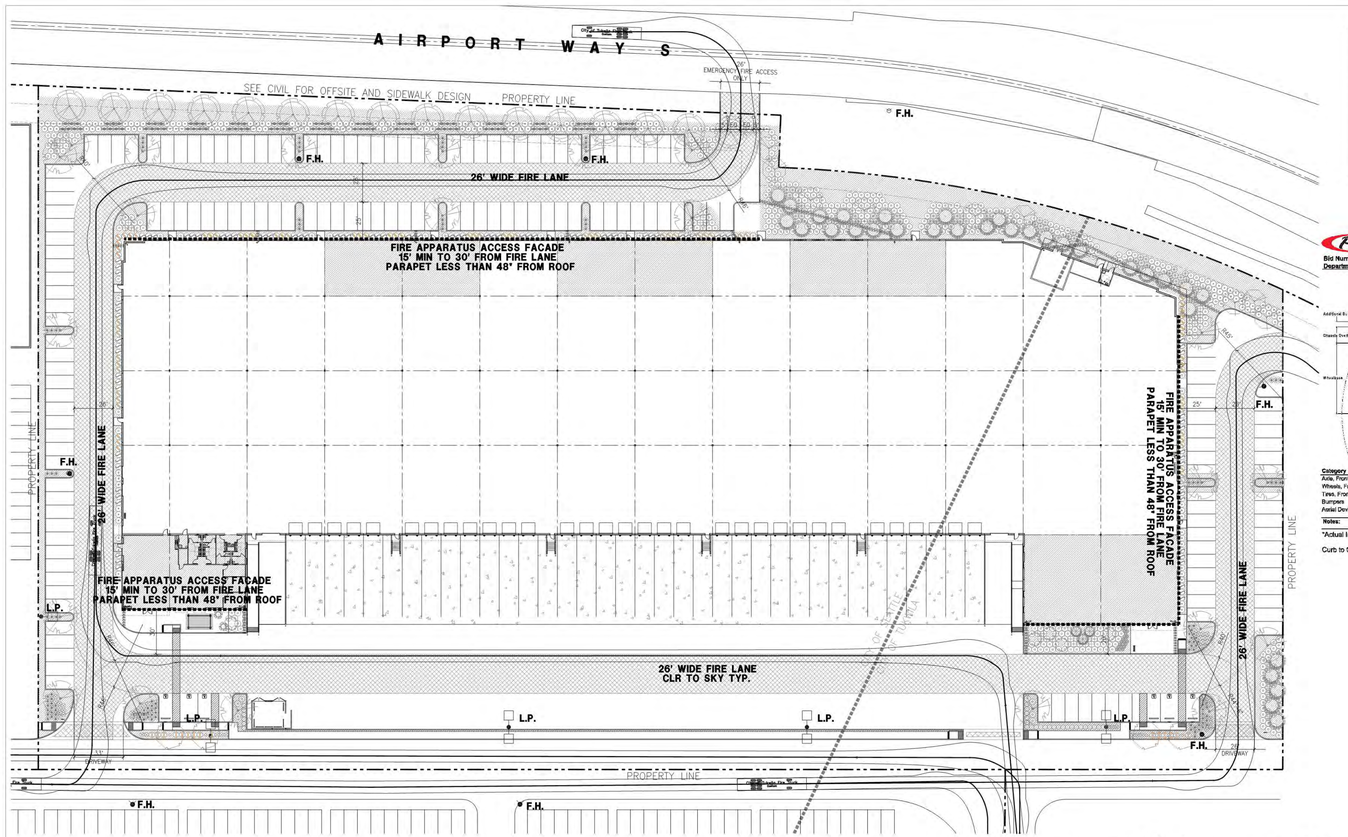
Job Number 18182
Sheet C44 of 46

ARCHITECTURAL SITE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

CAUTION: IF THIS SHEET IS NOT 30"X42" IT IS A REDUCED PRINT



OVERALL SITE PLAN A — SCALE: 1"=30'-0"

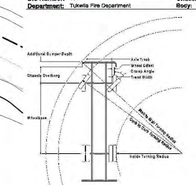
SCALE: 1"=30'-0" (0, 30', 60', 90') TRUE NORTH / PLAN NORTH

NOTE:
FIRE ACCESS ROADWAYS SHALL BE DESIGNED, CONSTRUCTED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF PERRIS FIRE APPARATUS WITH A TOTAL WEIGHT OF 68,000 POUNDS. APPARATUS WEIGHT IS DISTRIBUTED AS 46,000 POUNDS ON TANDEM REAR AXLES AND 22,000 POUNDS ON THE FRONT AXLE. THE SURFACE SHALL BE DESIGNED, CONSTRUCTED, AND MAINTAINED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES. A LETTER OR STATEMENT, WET-STAMPED AND SIGNED BY A REGISTERED ENGINEER, SHALL BE PROVIDED ON THE PLANS CERTIFYING THAT ANY NEW ROADWAY MEETS THIS 68,000-POUNDS, ALL WEATHER REQUIREMENT. ROAD BASE WITHOUT AN APPROPRIATE TOPPING OR BINDING MATERIAL DOES NOT SATISFY THE ALL-WEATHER REQUIREMENT.

Pierce — **Turning Performance Analysis** — 11/02/2018

Bid Number: 464
Department: Tukwila Fire Department

Chassis: Velocity Chassis, PAP, PUC (Big Block), 2015
Body: Aerial, Platform 100', PUC, Alum Body



Parameters:

*Inside Cramp Angle:	40°
Axle Track:	82.92 in.
Wheel Offset:	5.3 in.
Tread Width:	17.5 in.
Chassis Overhang:	75 in.
Additional Bumper Depth:	0.00 in.
Front Overhang:	108.1 in.
Wheelbase:	268.5 in.

Calculated Turning Radii:

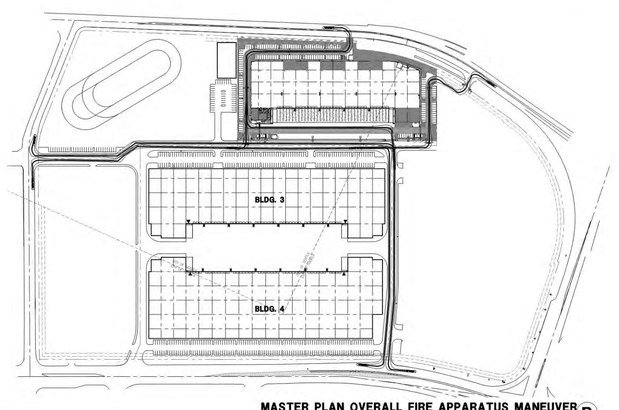
Inside Turn:	25 ft. 1 in.
Curb to curb:	40 ft. 11 in.
Wall to wall:	47 ft. 9 in.

Comments:
102925 as of 11/2018

Category	Option	Description
Axle, Front, Custom	0958846	Axle, Front, Oshkosh TAK-4, non Drive, 24,000 lb, Velocity
Wheels, Front	0919818	Wheels, Front, Alcoa, 22.50" x 13.00", Aluminum, Hub Pilot
Tires, Front	0962746	Tires, Front, Goodyear, G295 MSA, 445/65R22.50, 20 ply
Bumpers	0924744	Bumper, 20" Extended, Steel, Painted, Ironrite
Aerial Devices	0769543	Aerial, 100' Pierce Platform, 35 MPH Wind Rating, 4000 Tip Load Allowance

Notes:
*Actual inside cramp angle may be less than shown.

Curb to Curb turning radius calculated for 9.00 inch curb.



MASTER PLAN OVERALL FIRE APPARATUS MANEUVER B — SCALE: NTS

HPA architecture
hpa, inc.
18831 bardeen avenue - ste. #100
Irvine, ca
92612
tel: 949-863-1770
fax: 949-863-0851
email: hpa@hparchs.com

0651 REGISTERED ARCHITECT
ROBERT M. JACOB
STATE OF WASHINGTON

Owner:
PROLOGIS
PROLOGIS
3353 Gateway Blvd.
Fremont, CA 94538-6512
tel: 510-661-4027

Project:
PROLOGIS EMERALD GATEWAY
BLDG 1
Seattle, Washington

Consultants:

Civil:	Baurghausen
Structural:	BTI
Mechanical:	SDC
Plumbing:	SDC
Electrical:	SDC
Landscape:	WBLA
Fire Protection:	-
Soils Engineer:	PBE

Title: OVERALL SITE PLAN

Project Number: 16416
Drawn by: CR
Date: 4/17/20
Revision:

Sheet:
A1.1F

No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: ARCHITECTURAL SITE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER — 1/7/2022

Scale: Horizontal - Vertical -

Designed JEP | Drawn JEP | Checked JEP | Approved DKB | Date 1/7/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 18182

Sheet C45 of 46

WATER SCHEMATIC PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M.,
CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

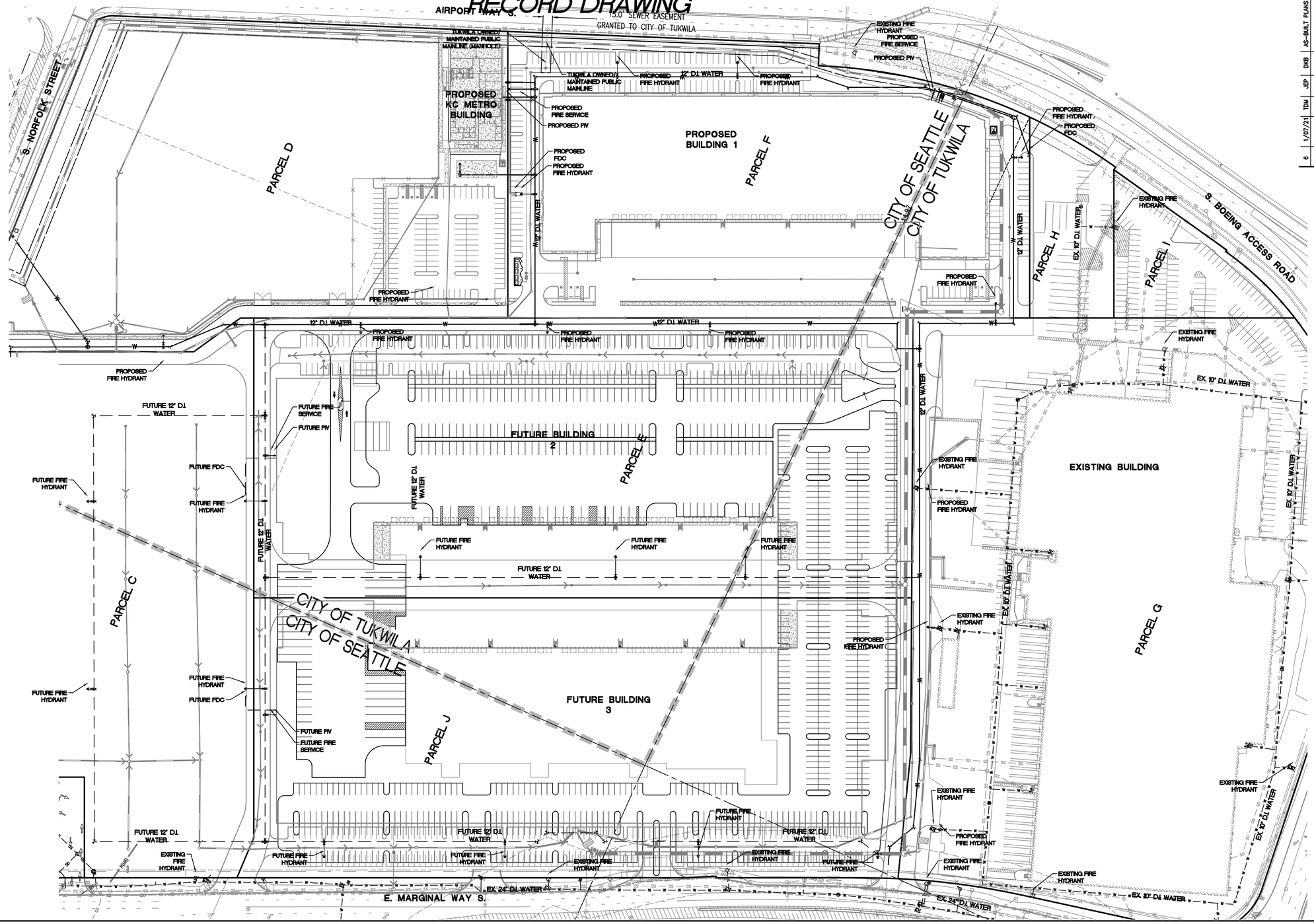
RECORD DRAWING

1"=80'

0 40 80 160
SCALE: 1" = 80'

KING COUNTY WASTEWATER TREATMENT DIVISION NOTES

1. THE LOCAL PUBLIC AGENCY (LPA) PROGRAM MUST BE CONTACTED AT 206-477-5414 OR LPA.TEAM@KINGCOUNTY.GOV AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE PRE-CONSTRUCTION CONFERENCE FOR THIS PROJECT.
2. THE LPA PROGRAM MUST BE CONTACTED AT 206-477-5414 OR LPA.TEAM@KINGCOUNTY.GOV AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION ACTIVITY WITHIN 50 FEET OF THE KING COUNTY SEWER PIPE.
3. KING COUNTY MUST BE PROVIDED WITH THE CONTRACTOR'S CONTACT INFORMATION PRIOR TO START OF CONSTRUCTION.
4. THE PROPOSED CONNECTION TO THE KING COUNTY METRO MAINTENANCE HOLE (MH) R24-46 SHALL BE MADE USING A KOR-N-SEAL CONNECTION INSTALLED PER MANUFACTURER INSTRUCTIONS.
5. KING COUNTY METRO MH R24-46 SHALL BE UNLOADED ALL AROUND OR STRUCTURALLY SUPPORTED DURING CONSTRUCTION TO AVOID UNBALANCED SOILS LOADING.
6. A KING COUNTY REPRESENTATIVE SHALL BE ON SITE AT ALL TIMES DURING EXCAVATION, CORING, AND INSTALLATION OF THE CONNECTION TO MH R24-46.
7. KING COUNTY DOES NOT GUARANTEE PIPE LOCATION, DIAMETER, OR INVERT ELEVATION; THEREFORE, FIELD VERIFICATION IS RECOMMENDED PRIOR TO CONSTRUCTION.
8. NO DEBRIS SHALL BE ALLOWED TO ENTER THE KING COUNTY SEWER SYSTEM DURING THE CONSTRUCTION OF OR THE CONNECTION TO MH R24-46.
9. ALL WORK ON KING COUNTY PIPELINES AND FACILITIES SHALL NOT BE BACKFILLED UNTIL IT HAS BEEN INSPECTED AND APPROVED BY A KING COUNTY REPRESENTATIVE.
10. THE PROPOSED CONNECTION TO MH R24-46 SHALL BE PLUGGED AND NOT PUT INTO SERVICE UNTIL THE TRIBUTARY SYSTEM HAS BEEN CLEANED, INSPECTED, TESTED, AND APPROVED BY THE CITY OF SEATTLE.
11. UPON COMPLETION OF THE WORK, THE CITY OF SEATTLE SHALL PROVIDE KING COUNTY WITH AN "AS-CONSTRUCTED" DRAWING OF THE NEW CONNECTION TO MH R24-46.



No.	Date	By	Ckd.	Appr.	Revision
6	1/07/21	TDM	JEP	DKB	AS-BUILT PLANS

Title: WATER SCHEMATIC PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 1

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
1/7/2022

Scale:			
	Horizontal	1"=80'	Vertical -

Designed	JEP	Approved	DKB
Drawn	JEP	Date	1/7/22
Checked	JEP		

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C46 of 46

811 Know what's below. Call before you dig.

NEW PARCEL ADDRESSES:

PARCEL A	3300 S. NORFOLK ST.
PARCEL B	10100 E. MARGINAL WAY S
PARCEL C	3201 S. NORFOLK ST.
PARCEL D	3401 S. NORFOLK ST.
PARCEL E	10400 E. MARGINAL WAY S
PARCEL F	10450 E. MARGINAL WAY S
PARCEL G	10650 E. MARGINAL WAY S
PARCEL H	10601 AIRPORT WAY S
PARCEL I	10651 AIRPORT WAY S
PARCEL J	10300 E. MARGINAL WAY S

0 100 200 400

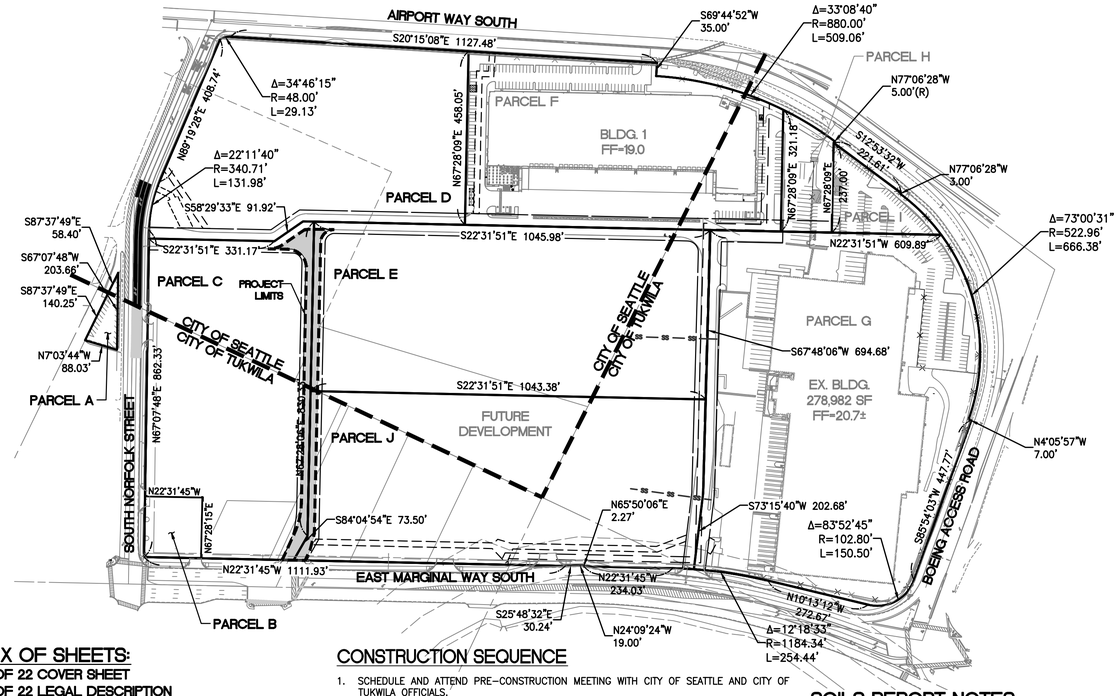
COVER SHEET

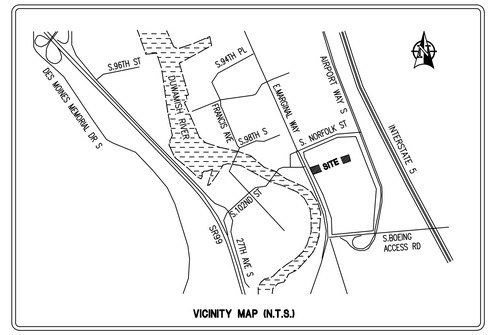
RECORD DRAWING

FOR

PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON





VICINITY MAP (N.T.S.)

GENERAL SITE NOTES:

1. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
2. CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC., TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
6. INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MIN. ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
8. THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
12. CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS INC..
13. CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.

LEGEND:

SURVEY MONUMENT	PROPOSED TYPE II CATCH BASIN
EX. POWER VAULT	PROPOSED TYPE I CATCH BASIN
EX. LUMINAIRE (LUM.)	PROPOSED STORM DRAIN FLOW ARROW
EX. LOT LIGHT	PROPOSED STORM DRAINAGE LINE
EX. POWER POLE	PROPOSED TRENCH DRAIN
EX. JUNCTION BOX	PROPOSED SANITARY SEWER LINE
EX. CATCH BASIN (CB)	PROPOSED SANITARY SEWER CLEANOUT
EX. CATCH BASIN (CB) TYPE 2	PROPOSED SANITARY SEWER MANHOLE
EX. SANITARY SEWER MANHOLE (SSMH)	PROPOSED WATERMAIN (W)
EX. GAS METER	PROPOSED FIRE HYDRANT
EX. GAS VALVE	PROPOSED WATER VALVE
EX. WATER VALVE (WV)	PROPOSED CONCRETE BLOCKING
EX. FIRE HYDRANT (FH)	PROPOSED 90° BEND
MAIL BOX	PROPOSED SPOT ELEVATIONS (23.20)
EX. WATER METER	MATCH EXISTING (ME)
EX. SIGN	EXISTING SPOT ELEVATIONS (+100.0)
EX. WATER LINE (-W- -W-)	PROPOSED CONTOURS (100)
EX. SANITARY SEWER LINE (SS)	EXISTING CONTOURS (100)
EX. STORM DRAINAGE LINE (SD)	PROPOSED HEAVY DUTY ASPHALT PAVEMENT
EX. POWER UNDERGROUND (P(UG))	
EX. POWER OVERHEAD (P(OH))	PROPOSED LIGHT DUTY ASPHALT PAVEMENT
EX. METAL FENCE (***)	
EX. WOOD FENCE (//)	PROPOSED CONCRETE

INDEX OF SHEETS:

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C2 OF 22 LEGAL DESCRIPTION
C3 OF 22 OVERALL DEMOLITION
C4 OF 22 DEMOLITION PLAN
C5 OF 22 DEMOLITION PLAN
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C7 OF 22 DEMOLITION PLAN
C8 OF 22 GRADING AND DRAINAGE PLAN
C9 OF 22 GRADING AND DRAINAGE PLAN
C9A OF 22 GRADING AND DRAINAGE PLAN
C10 OF 22 ACCESS ROAD WATER PLAN
C11 OF 22 ACCESS ROAD WATER PLAN
C12 OF 22 CONSTRUCTION NOTES AND DETAILS
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C19 OF 22 DRAINAGE AND WASTEWATER CONTROL PLAN
C20 OF 22 UTILITY REFERENCE PLAN
C21 OF 22 UTILITY REFERENCE PLAN
C22 OF 22 WATER SCHEMATIC PLAN

GRADE AND FILL SHEET INDEX
FOR REFERENCE ONLY -
SEE GRADING PERMIT #6693874-GR

E1 OF 15 COVER SHEET - T.E.S.C. AND GRADING PLANS
E2 OF 15 LEGAL DESCRIPTION
E3 OF 15 T.E.S.C. AND GRADING PLAN - OVERALL
E4 OF 15 T.E.S.C. AND GRADING PLAN
E5 OF 15 T.E.S.C. AND GRADING PLAN
E6 OF 15 T.E.S.C. AND GRADING PLAN
E7 OF 15 T.E.S.C. AND GRADING PLAN
E8 OF 15 T.E.S.C. AND GRADING PLAN
E9 OF 15 T.E.S.C. AND GRADING PLAN
E10 OF 15 T.E.S.C. AND GRADING CONSTRUCTION NOTES AND DETAILS
E11 OF 15 T.E.S.C. AND GRADING CONSTRUCTION NOTES AND DETAILS
E12 OF 15 T.E.S.C. AND GRADING SECTIONS
E13 OF 15 T.E.S.C. AND GRADING SECTIONS
E14 OF 15 T.E.S.C. AND GRADING SECTIONS
E15 OF 15 T.E.S.C. AND GRADING SECTIONS

CONSTRUCTION SEQUENCE

1. SCHEDULE AND ATTEND PRE-CONSTRUCTION MEETING WITH CITY OF SEATTLE AND CITY OF TUKWILA OFFICIALS.
2. FLAG ALL CLEARING AND GRADING LIMITS FOR PROJECT AS SHOWN ON THE APPROVED GRADE AND FILL PLANS. MARK ALL CLEARING LIMITS, SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED.
3. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE.
4. CONSTRUCT TEMPORARY SEDIMENT PONDS AS SHOWN ON APPROVED GRADE AND FILL PLANS.
5. INSTALL FILTER FABRIC AND ROCK LINED INTERCEPTOR DITCHES AS SHOWN ON APPROVED GRADE AND FILL PLANS.
6. INSTALL CONSTRUCTION SAFETY FENCE AROUND PERIMETER OF PROJECT.
7. PROTECT ALL RIGHT OF WAYS ADJACENT TO THE PROJECT FROM SEDIMENT DEPOSITION.
8. WHEREVER CONSTRUCTION VEHICLES ACCESS ROUTE CROSSES PAVED ROADS, CARE MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD. IF SEDIMENT IS TRANSPORTED ONTO PAVED SURFACE, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY.
9. CONTRACTOR TO OBTAIN A KING COUNTY METRO SEWER DISCHARGE PERMIT.
10. ALL DEWATERING DISCHARGE DEVICES USED DURING CONSTRUCTION SHALL DISCHARGE INTO THE TEMPORARY SEDIMENT PONDS AND/OR THE KING COUNTY METRO SEWER SYSTEM.
11. ALL DISTURBED AREAS WHICH HAVE BEEN EFFECTED BY GRADING OPERATION SHALL BE HYDROSEEDED UPON COMPLETION OF GRADING ACTIVITIES AND IN ACCORDANCE WITH GRADING AND TEMPORARY EROSION AND SEDIMENTATION CONTROL NOTES. FROM OCTOBER 1 THROUGH APRIL 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS, AND FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. REFER TO SWPPP FOR SOILS STABILIZATION CRITERIA.
12. IN THE EVENT OF ANY SEDIMENT TRANSPORT TO PUBLIC ROADS, A WHEEL WASHING PROCEDURE SHALL BE IMPLEMENTED TO CLEAN ALL SEDIMENT FROM CONSTRUCTION VEHICLES.
13. ALL RUNOFF FROM WHEEL WASH PROCEDURE MUST BE DIRECTED TO INTERCEPTOR DITCHES AND CONVEYED TO SEDIMENT TRAP.
14. THE WATER CONNECTION ON THE SOUTH END OF EAST MARGINAL WAY SHALL BE INSTALLED AND IN OPERATION BEFORE THE EXISTING WATER SYSTEM IN REMOVED/ABANDON IN ORDER TO SERVE THE EXISTING FREEZER COOLER BUILDING.
15. TEMPORARY PROVISIONS SHALL BE MADE FOR THE EXISTING STORMWATER SYSTEM AROUND THE EXISTING FREEZER COOLER BUILDING AND THE CITY OF SEATTLE STORM POND DISCHARGE LINE ALONG AIRPORT WAY SOUTH UNTIL THE NEW STORM SYSTEM CAN BE INSTALLED.
16. MAINTAIN T.E.S.C. FACILITIES UNTIL ALL RISK OF EROSION/SEDIMENTATION HAS PASSED AND PERMANENT STORM DRAINAGE SYSTEM IS INSTALLED AND FUNCTIONAL. DO NOT CONVEY SEDIMENT-LADEN WATER INTO STORM DRAINAGE SYSTEM. TEMPORARY EROSION & SEDIMENTATION CONTROL FACILITIES TO BE REMOVED ONLY UPON FINAL SITE STABILIZATION & APPROVAL FROM CITY OFFICIALS.
17. INSTALL SEWER LINES, STORM LINES AND WATER LINES TO THE SITE. THEN GRADE TI FINAL GRADE.
18. INSTALL ALL STRUCTURAL SOILS. SHEET SHEET C42.
19. INSTALL PAVEMENT, CURB AND CONCRETE SIDEWALKS FOR THE SITE.
20. ONCE SITE IS COMPLETED THEN ALL SEDIMENT SHALL BE REMOVED FROM SITE.
21. COMPLETE INSPECTION/PUNCHLIST.

SOILS REPORT NOTES:

1. THE FOLLOWING SOILS REPORT FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:

   SOILS REPORT: REPORT OF GEOTECHNICAL ENGINEERING SERVICES
   JOB NUMBER: 3626-062-00
   DATE: JULY 28, 2017

   PREPARED BY: GEOENGINEERS, INC.
   17425 NE UNION HILL RD, SUITE 250
   REDMOND, WA 98052
   (425) 862-6098

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF THE SITE PREPARATION, GRADING OPERATIONS, FOUNDATION, SLAB, AND PAVING CONSTRUCTION.
3. ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ELSEWHERE ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR DETERMINATION.
4. A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS. THE SOILS ENGINEER SHALL SUBMIT FIELD REPORTS CERTIFYING THAT THE METHODS AND MATERIALS OF THE EARTHWORK OPERATIONS WERE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION AND THAT THE WORK WAS PERFORMED TO HIS/HER SATISFACTION.
5. THE SOILS ENGINEER SHOULD BE NOTIFIED AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY SITE CLEARING OR GRADING.

NOTE:

1. TESC PLANS ARE PROVIDED FOR REFERENCE ONLY – SEE GRADING PERMIT #6693874-GR.
2. WATER QUALITY BMPS ARE PROVIDED FOR REFERENCE ONLY – SEE PERMIT #6696313-CN FOR CONSTRUCTION DETAILS.

NOTE:

ALL PARCEL NAMING PER CITY OF SEATTLE LOT BOUNDARY ADJUSTMENT 3033668-LU.

UTILITY SOURCE NOTE:

UTILITY INFORMATION SHOWN ON THESE PLANS ARE DRAWN BY THE SURVEY DEPARTMENT FROM BARGHAUSEN CONSULTING ENGINEERS, SEWER CARDS, EXISTING PLANS, AND BASE MAPS FROM CITY PLAN VAULT.

UTILITY CONFLICT NOTE:

CAUTION:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY, PURSUANT TO WAC 332-120. APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (206) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
PUBLIC LAND SURVEY OFFICE
1111 WASHINGTON STREET S.E.
P.O. BOX 47060
OLYMPIA, WASHINGTON 98504-7060

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

ESTIMATED EARTHWORK QUANTITIES:

CUT: 700 CY
FILL: 1,600 CY
TOTAL: 900 CY FILL

CONTRACTOR SHALL REFER TO THE REPORT OF GEOTECHNICAL INVESTIGATION DATED JULY 28, 2017 FOR THIS SITE PREPARED BY GEOENGINEERS FOR GRADING RECOMMENDATIONS. EARTHWORK QUANTITIES ARE FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR BIDDING PURPOSES. CONTRACTOR SHALL PERFORM AN INDEPENDENT ANALYSIS FOR THE PURPOSES OF PREPARING THEIR BID.

LOT COVERAGE SUMMARY

BUILDING:	0.00 AC	(0%)
ASPHALT/CONCRETE:	0.84 AC	(100%)
LANDSCAPE:	0.00 AC	(0%)
TOTAL:	0.84 AC	(100%)

ENGINEER

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVE S
KENT, WA 98032
PH: (425) 251-6222
CONTACT: DAN BALMELLI, P.E.
EMAIL: DBALMELLI@BARGHAUSEN.COM

ARCHITECT

HPA ARCHITECTURE
18831 BARDEEN AVE, SUITE 100
IRVINE, CA 92612
PH: (949) 863-1770
CONTACT: STEVE HONG

STRUCTURAL

BTI
2564 W WOODLAND DRIVE
ANAHEIM, CA 92801
PH: (714) 522-0911
CONTACT: RAFEEK BUSHRA

MECHANICAL

SYSTEM DESIGN CONSULTANTS
333 SE 2ND AVE, SUITE 100
PORTLAND, OR 97214
PH: (503) 248-0227
CONTACT: JOHN ROGERS

SOILS

GEOENGINEERS INC.
17425 NE UNION HILL RD, SUITE 250
REDMOND, WA 98052
PH: (425) 862-6098
CONTACT: KING H CHIN

DEVELOPER/OWNER

PROLOGIS
12720 GATEWAY DR, SUITE 110
TUKWILA, WA 98168
PH: (510) 661-4027
CONTACT: KEN SUN
EMAIL: KSUN@PROLOGIS.COM

SURVEYOR

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVE S
KENT, WA 98032
PH: (425) 251-6222
CONTACT: DAVE WILLIAMS
EMAIL: DWILLIAMS@BARGHAUSEN.COM

PLUMBING

SYSTEM DESIGN CONSULTANTS
333 SE 2ND AVE, SUITE 100
PORTLAND, OR 97214
PH: (503) 248-0227
CONTACT: JOHN ROGERS

LANDSCAPE

WBLA
16630 30TH DR SE
BOTHELL, WA 9812
PH: (425) 417-4609
CONTACT: WILLIAM BROWN

FIRE

TBD

No.	Date	By	Chkd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: COVER SHEET FOR PROLOGIS EMERALD GATEWAY - PHASE 2

For: PROLOGIS 12720 GATEWAY DRIVE, SUITE 110 TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 20672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=200' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182 Sheet C1 of 22

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LEGAL DESCRIPTION
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

SURVEY INFORMATION:
BASIS OF BEARING - NAD83/91
BASIS OF BEARING FOR THIS SURVEY IS NAD83/11 PER WSDOT. WSDOT CONTROL POINT NO. HC17 WAS HELD FOR POSITION AND A LINE BETWEEN SAID CONTROL POINT NO. HC17 AND CONTROL POINT NO. GP17099-222 WAS HELD FOR ROTATION, BEING NORTH 62°07'05" WEST.
VERTICAL DATUM: NAVD88
VERTICAL DATUM FOR THIS PROJECT IS NAVD88 PER WSDOT. WSDOT CONTROL POINT NO. HC17 WAS HELD FOR ELEVATION, BEING 51.191' (ANVD88).
ASSESSOR'S PARCEL NUMBER(S) AND SITE ADDRESS(ES):
0323049024 3301 S NORFOLK ST 98168
0003400042 3301 S NORFOLK ST 98168
0003400049 3301 S NORFOLK ST 98168
0003400015 3301 S NORFOLK ST 98168
0003400046 3301 S NORFOLK ST 98168
0003400041 3301 S NORFOLK ST 98168
0003400024 3301 S NORFOLK ST 98168
0423049184 10200 EAST MARGINAL WAY S 98168
0423049101 3301 S NORFOLK ST 98168
0323049062 10230 EAST MARGINAL WAY S 98168
0423049102 10230 EAST MARGINAL LLC
0423049015 10230 EAST MARGINAL LLC
0423049099 3301 S NORFOLK ST 98168
0323049048 3301 S NORFOLK ST 98168
0423049066 3301 S NORFOLK ST 98168
0323049128 3301 S NORFOLK ST 98168
0323049080 3301 S NORFOLK ST 98168
0323049171 3301 S NORFOLK ST 98168
0323049045 3301 S NORFOLK ST 98168
0323049072 N/A
0323049070 3301 S NORFOLK ST
0323049073 3301 S NORFOLK ST 98168
0323049028 3301 S NORFOLK ST 98168
0323049240 3301 S NORFOLK ST 98168
0323049228 3301 S NORFOLK ST 98168
0323049061 3301 S NORFOLK ST 98168
0323049229 3301 S NORFOLK ST 98168
0323049230 3301 S NORFOLK ST 98168
0323049058 3301 S NORFOLK ST 98168
GROSS LOT AREA:
GROSS LOT AREA = 2,731,705± S.F. (62.711± ACRES)
NARRITIVE:
THIS IS A FIELD TRAVERSE SURVEY. A "TOPCON GT-1000" ROBOTIC TOTAL STATION WITH A "TOPCON RC-5" DATA COLLECTOR, A "TOPCON PS" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE, A "SOKKIA SK" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE, AND A "TOPCON PS" ROBOTIC TOTAL STATION WITH A DELL TABLET WITH MAGNET FIELD SOFTWARE WERE USED TO MEASURE THE ANGULAR AND DISTANCE RELATIONSHIPS BETWEEN THE CONTROLLING MONUMENTATION AS SHOWN. CLOSURE RATIOS OF THE TRAVERSE MET OR EXCEEDED THOSE SPECIFIED IN WAC 332-130-090. ALL INSTRUMENTS AND EQUIPMENT HAVE BEEN MAINTAINED IN ADJUSTMENT ACCORDING TO MANUFACTURERS' SPECIFICATIONS.

FLOOD ZONE:
SITE LIES WITHIN "FLOOD ZONE X - UNSHADED" PER FEMA FIRM MAP PANEL 645 OF 1725, MAP NUMBER 53033C0645F, AND MAP REVISED MAY 16, 1995.
"FLOOD ZONE X - UNSHADED" ARE AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.
SURVEYOR'S NOTES:
1. ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.
2. SITE ABUTS "S. NORFOLK ST.", "E. MARGINAL WAY S.", "AIRPORT WAY S.", AND "S. BOEING ACCESS RD.". ALL THESE ROADS ARE PUBLIC RIGHT-OF-WAYS. THE SITE HAS ACCESS TO ALL OF THESE ROADS.
3. THERE WAS NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK, PER THE DATE OF THE FIELD SURVEY.
4. THERE IS NO KNOWLEDGE OF ANY PROPOSED CHANGES IN STREET RIGHT-OF-WAY LINES, AND THERE IS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION.
5. THERE IS NO EVIDENCE OF ANY WETLAND MARKERS FROM A FIELD DELINEATION OF WETLANDS BY A QUALIFIED SPECIALIST.
6. UNDERGROUND PIPE CONNECTIONS, AND ANY UNDERGROUND "TEE"S ARE PER FIELD OBSERVATIONS, UTILITY MARKINGS, AND BEST AVAILABLE PUBLIC MAPS. THE LOCATION OF PIPES SHOWN HEREON SHALL BE VERIFIED AT THE TIME OF ANY CONSTRUCTION.

REFERENCE SURVEYS:
1. BOEING FIELD RECORD OF SURVEY, REC. NO. 20080422900001
2. UNRECORDED SURVEY BY DAVID EVANS AND ASSOCIATES, DATED JANUARY 9, 2007
3. UNRECORDED SURVEY BY DUFFY, LAWVER & KUMPF, INC., ENGINEERS, DATED OCTOBER 17, 1972

DATES OF SURVEY:
FIELD SURVEY BY BARGHAUSEN CONSULTING ENGINEERS, INC. CONDUCTED IN SEPTEMBER 2016. ALL MONUMENTS SHOWN AS FOUND WERE VISITED AT THAT TIME.
STRIPED PARKING:
(813) PARKING STALLS
(2) PARALLEL PARKING STALLS
(3) HANDICAPPED STALLS

(816) TOTAL PARKING STALLS
ZONING:
(PER "PZR REPORT" ZONING REPORT DRAFT DATED 10/24/2016)

ZONING DESIGNATION:
PORTION OF SITE WITHIN CITY OF SEATTLE:
"IC-85" INDUSTRIAL COMMERCIAL DISTRICT WITH A MAXIMUM HEIGHT LIMIT OF 85 FEET & VERY SMALL PORTION WITHIN "IG2 U/85" INDUSTRIAL GENERAL 2 UNLIMITED WITH AN UNLIMITED HEIGHT LIMIT FOR GENERAL INDUSTRIAL USES AND MAXIMUM HEIGHT OF 85 FEET FOR UNRELATED RETAIL / COMMERCIAL USES AND WITHIN AN INNER TRANSITIONAL SURFACE AND INNER APPROACH SURFACE AIRPORT HEIGHT OVERLAY, LIQUEFACTION ZONE AND GREATER DUWAMISH MANUFACTURING INDUSTRIAL OVERLAY
PORTION OF SITE WITHIN CITY OF TUKWILA:
"LI" LIGHT INDUSTRIAL DISTRICT
SETBACKS:
PORTION OF SITE WITHIN CITY OF SEATTLE:
FRONT/SIDE/REAR: NOT APPLICABLE; SITE IS NOT ABUTTING ANY RESIDENTIAL DISTRICTS
PORTION OF SITE WITHIN CITY OF TUKWILA:
FRONT:(S. NORFOLK STREET) 25 FEET WITH 12.5 FEET LANDSCAPED
SECOND FRONT: (E.MARGINAL WAY) 12.5 FEET WITH 12.5 FEET LANDSCAPED
(AIRPORT WAY SOUTH)
(S. BOEING ACCESS RD.)
INTERIOR SIDE & REAR: NOT APPLICABLE
BUILDING SIZE:
PORTION OF SITE WITHIN CITY OF SEATTLE:
BUILDING HEIGHT: 85'
BUILDING SITE AREA REQUIREMENTS: NONE SPECIFIED FOR THE USE
PORTION OF SITE WITHIN CITY OF TUKWILA:
BUILDING HEIGHT: 45' (4 STORIES)
BUILDING SITE AREA REQUIREMENTS: NONE SPECIFIED
DENSITY:
PORTION OF SITE WITHIN CITY OF SEATTLE:
MAXIMUM BASE FLOOR AREA RATIO: 2.5
PORTION OF SITE WITHIN CITY OF TUKWILA: NONE SPECIFIED
PARKING:
PORTION OF SITE WITHIN CITY OF SEATTLE:
MANUFACTURING/STORAGE (WAREHOUSE): 1 SPACE PER 2000 S.F. (308 SPACES)
OFFICE: 1 SPACE PER 1000 S.F. (71 SPACES)
PORTION OF SITE WITHIN CITY OF TUKWILA:
WAREHOUSING: 1 SPACE PER 2000 S.F. (138 SPACES)
PARKING SPACES REQUIRED: 517 TOTAL PARKING SPACES

LEGAL DESCRIPTION:
(PER LOT BOUNDARY ADJUSTMENT NUMBER 3033668-LU, KCR#20201105900023 DATED NOVEMBER 5, 2020 AT 3:08 P.M.)

PARCEL C:
THAT PORTION OF TIMOTHY GROW'S DONATION LAND CLAIM IN SECTIONS 3 AND 4, GOVERNMENT LOT 1 IN SECTION 3, AND GOVERNMENT LOT 8 IN SECTION 4 TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET AND THE TRUE POINT OF BEGINNING;
THENCE SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 29.46 FEET;
THENCE SOUTH 67°28'06" WEST, 830.33 FEET;
THENCE NORTH 84°04'54" WEST, 73.50 FEET TO THE EAST MARGIN OF EAST MARGINAL WAY SOUTH;
THENCE ALONG SAID EAST MARGIN, NORTH 22°31'45" WEST, 243.83 FEET;
THENCE DEPARTING SAID EAST MARGIN, NORTH 67°28'15" EAST, 161.00 FEET;
THENCE NORTH 22°31'45" WEST, 152.18 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE ALONG SAID SOUTH MARGIN, NORTH 67°07'48" EAST, 679.96 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL E:
THAT PORTION OF TIMOTHY GROWS DONATION LAND CLAIM IN SECTIONS 3 AND 4, GOVERNMENT LOT 1 IN SECTION 3, THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, AND GOVERNMENT LOTS 8 AND 9 IN SECTION 4, ALL IN TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 29.46 FEET TO THE TRUE POINT OF BEGINNING;
THENCE SOUTH 67°28'06" WEST, 447.49 FEET;
THENCE SOUTH 22°31'51" EAST, 1,043.38 FEET;
THENCE NORTH 67°48'06" EAST, 447.50 FEET TO A POINT WHICH BEARS SOUTH 22°31'51" EAST FROM THE TRUE POINT OF BEGINNING;
THENCE NORTH 22°31'51" WEST, 1,045.98 FEET TO THE TRUE POINT OF BEGINNING.

TOGETHER WITH AN EASEMENT FOR ACCESS AND UTILITIES RECORDED UNDER RECORDING NO. 20200914001435, RECORDS OF KING COUNTY, WASHINGTON.

PARCEL J:
THAT PORTION OF GOVERNMENT LOT 1 IN SECTION 3, THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, AND GOVERNMENT LOTS 8 AND 9 IN SECTION 4, ALL IN TOWNSHIP 23 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF SOUTH NORFOLK STREET AND AIRPORT WAY SOUTH;
THENCE ALONG THE CENTERLINE OF SAID SOUTH NORFOLK STREET, SOUTH 89°19'28" WEST, 520.74 FEET;
THENCE CONTINUING ALONG SAID CENTERLINE, SOUTH 67°07'48" WEST, 95.80 FEET;
THENCE DEPARTING SAID CENTERLINE, SOUTH 22°31'51" EAST, 40.00 FEET TO THE SOUTH MARGIN OF SAID SOUTH NORFOLK STREET;
THENCE CONTINUING SOUTH 22°31'51" EAST, 331.17 FEET;
THENCE SOUTH 58°29'33" EAST, 91.92 FEET;
THENCE SOUTH 22°31'51" EAST, 29.46 FEET;
THENCE SOUTH 67°28'06" WEST, 447.49 FEET TO THE TRUE POINT OF BEGINNING;
THENCE SOUTH 22°31'51" EAST, 1,043.38 FEET;
THENCE SOUTH 67°48'06" WEST, 247.19 FEET;
THENCE SOUTH 73°15'40" WEST, 202.68 FEET TO THE EAST MARGIN OF EAST MARGINAL WAY SOUTH, BEING A POINT ON A NON-TANGENT CURVE, THE RADIUS OF WHICH BEARS SOUTH 70°11'52" WEST;
THENCE THE NEXT SIX COURSES ALONG SAID EAST MARGIN,
NORTHERLY ALONG THE ARC OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 1,184.34 FEET, THROUGH A CENTRAL ANGLE OF 02°43'37", AND AN ARC LENGTH OF 56.37 FEET;
THENCE NORTH 22°31'45" WEST, 234.03 FEET;
THENCE NORTH 65°50'06" EAST, 2.27 FEET;
THENCE NORTH 24°09'24" WEST, 19.00 FEET;
THENCE NORTH 25°48'32" WEST, 30.24 FEET;
THENCE NORTH 22°31'45" WEST, 716.87 FEET;
THENCE DEPARTING SAID EAST LINE, SOUTH 84°04'54" EAST, 73.50 FEET TO A POINT WHICH BEARS SOUTH 67°28'06" WEST FROM THE TRUE POINT OF BEGINNING;
THENCE NORTH 67°28'06" EAST, 382.83 FEET TO THE TRUE POINT OF BEGINNING.

No.	Date	By	Appr.	Revision
4	5/31/22	BDW	DKB	REVISED WATER DESIGN

Title: LEGAL DESCRIPTION
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal - Vertical -

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 5/31/22

Scale:1" = 1' BSUTEY Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C2 of 22

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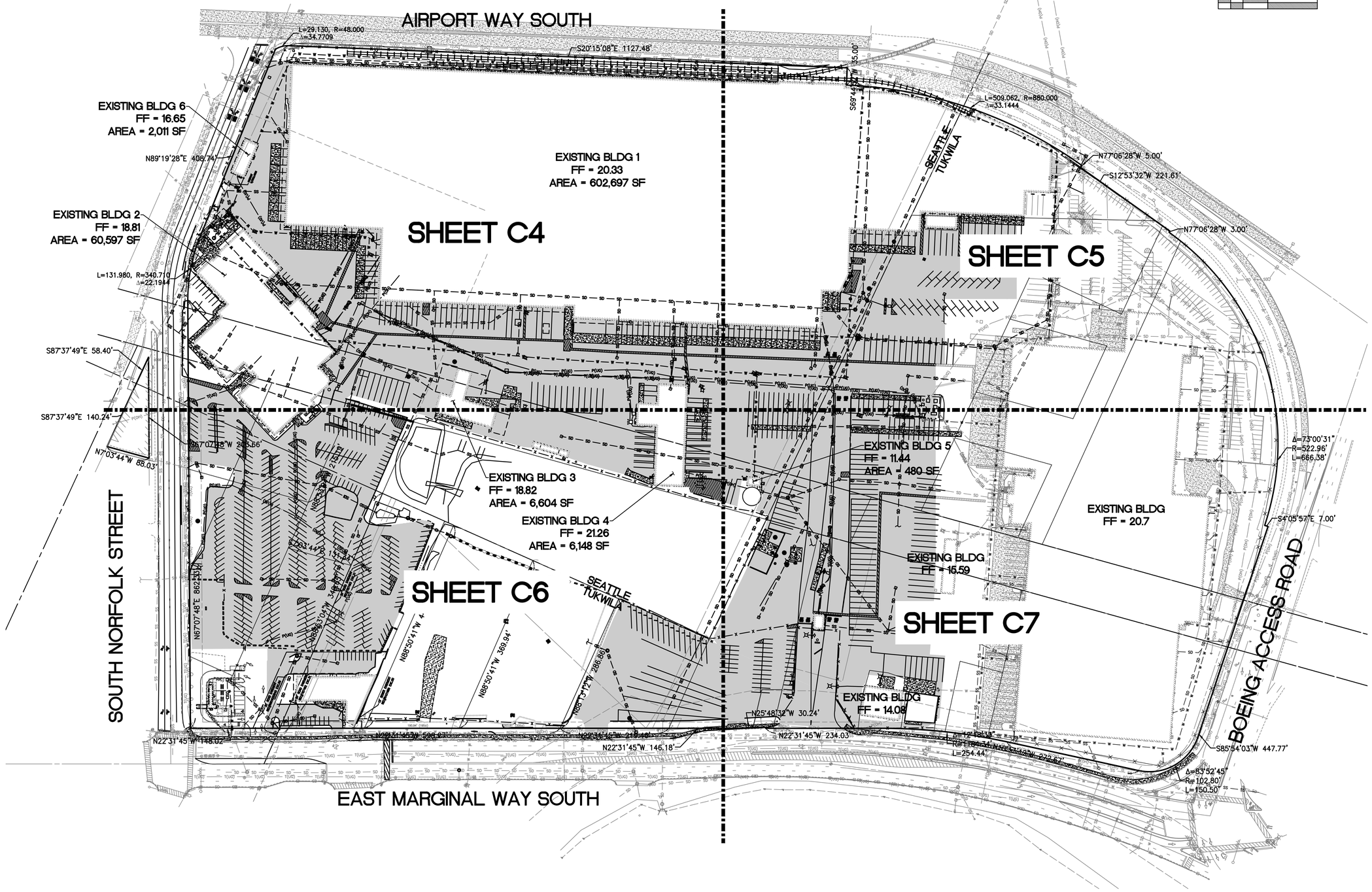
OVERALL DEMOLITION
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

1"=100'

0 50 100 200



No.	Date	By	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: OVERALL DEMOLITION
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALLARD — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=100' Vertical -
Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22
BSUTEY Xref: ~~~~
Scale:1" = 1'

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

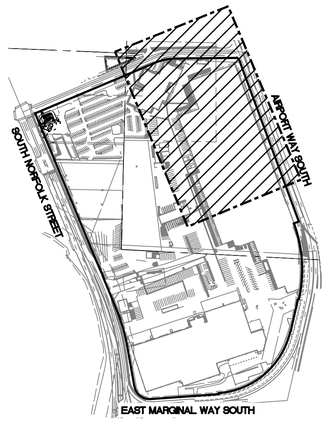
Job Number 18182
Sheet C3 of 22

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DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

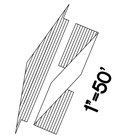
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



OVERALL SITE

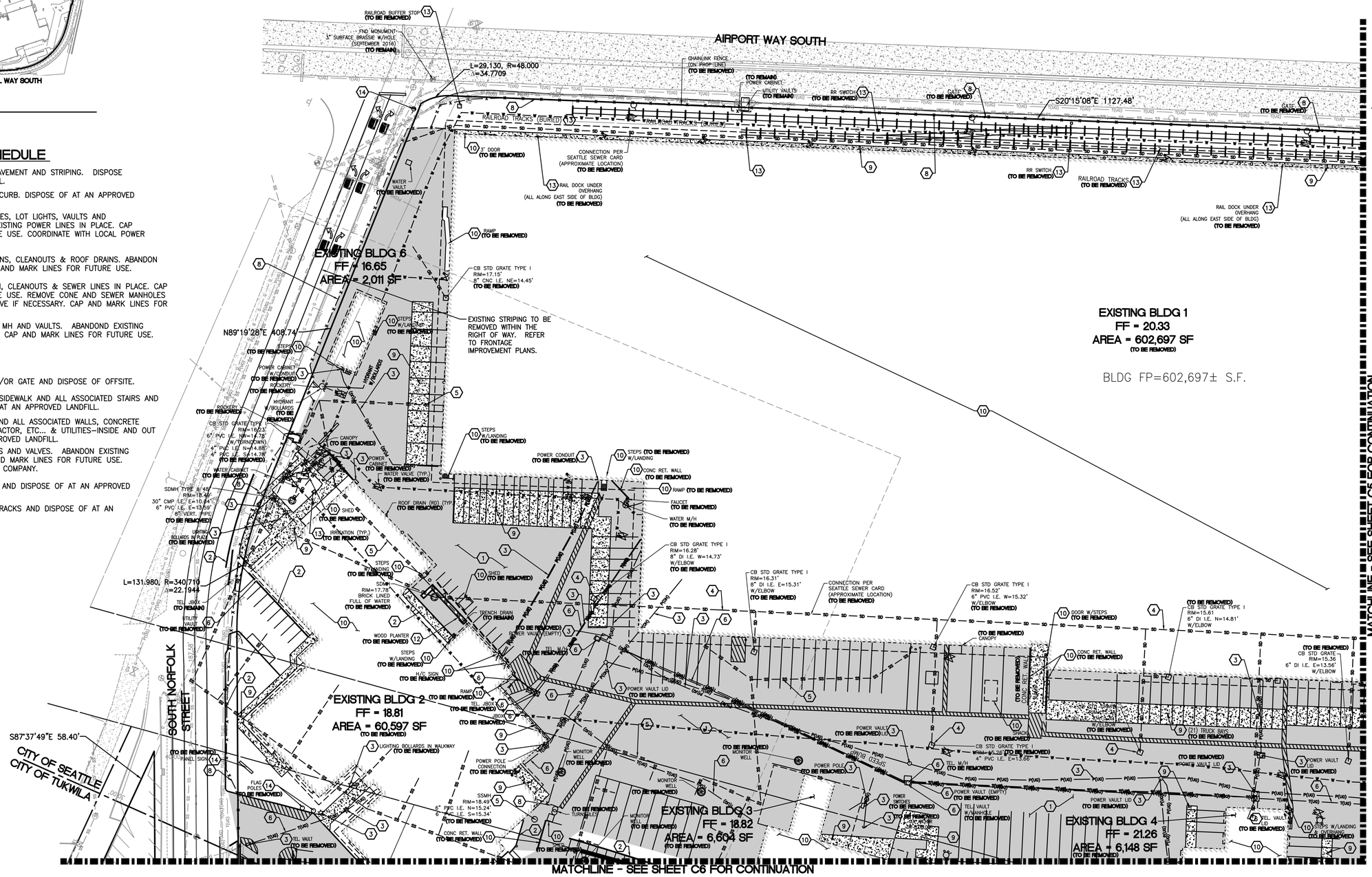
NTS



0 25 50 100

DEMOLITION SCHEDULE

1. REMOVE EXISTING ASPHALT PAVEMENT AND STRIPING. DISPOSE OF AT AN APPROVED LANDFILL.
2. REMOVE EXISTING CONCRETE CURB. DISPOSE OF AT AN APPROVED LANDFILL.
3. REMOVE EXISTING POWER POLES, LOT LIGHTS, VAULTS AND TRANSFORMERS ABBANDON EXISTING POWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL POWER COMPANY.
4. REMOVE EXISTING CATCH BASINS, CLEANOUTS & ROOF DRAINS. ABANDON STORM LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
5. ABANDON EXISTING SEWER MH, CLEANOUTS & SEWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. REMOVE CONE AND SEWER MANHOLES AND FILL WITH GRAVEL. REMOVE IF NECESSARY. CAP AND MARK LINES FOR FUTURE USE.
6. REMOVE EXISTING TELEPHONE MH AND VAULTS. ABANDOND EXISTING TELEPHONE LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
7. NOT USED
8. REMOVE EXISTING FENCE AND/OR GATE AND DISPOSE OF OFFSITE.
9. REMOVE EXISTING CONCRETE SIDEWALK AND ALL ASSOCIATED STAIRS AND HANDRAILS AND DISPOSE OF AT AN APPROVED LANDFILL.
10. REMOVE EXISTING BUILDING AND ALL ASSOCIATED WALLS, CONCRETE WALKS, RAMPS, TRASH COMPACTOR, ETC... & UTILITIES–INSIDE AND OUT AND DISPOSE OF AT AN APPROVED LANDFILL.
11. REMOVE EXISTING GAS METERS AND VALVES. ABANDON EXISTING GAS LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL GAS COMPANY.
12. REMOVE EXISTING LANDSCAPE AND DISPOSE OF AT AN APPROVED LANDFILL.
13. REMOVE EXISTING RAILROAD TRACKS AND DISPOSE OF AT AN APPROVED LANDFILL.
14. REMOVE SIGNS AND POLES



MATCHLINE - SEE SHEET C5 FOR CONTINUATION

MATCHLINE - SEE SHEET C6 FOR CONTINUATION

No.	Date	By	Chkd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=50' Vertical -

Designed JEP Drawn — Checked JEP Approved DKB Date 5/31/22

Scale:1" = 1' BSUTEY Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C4 of 22

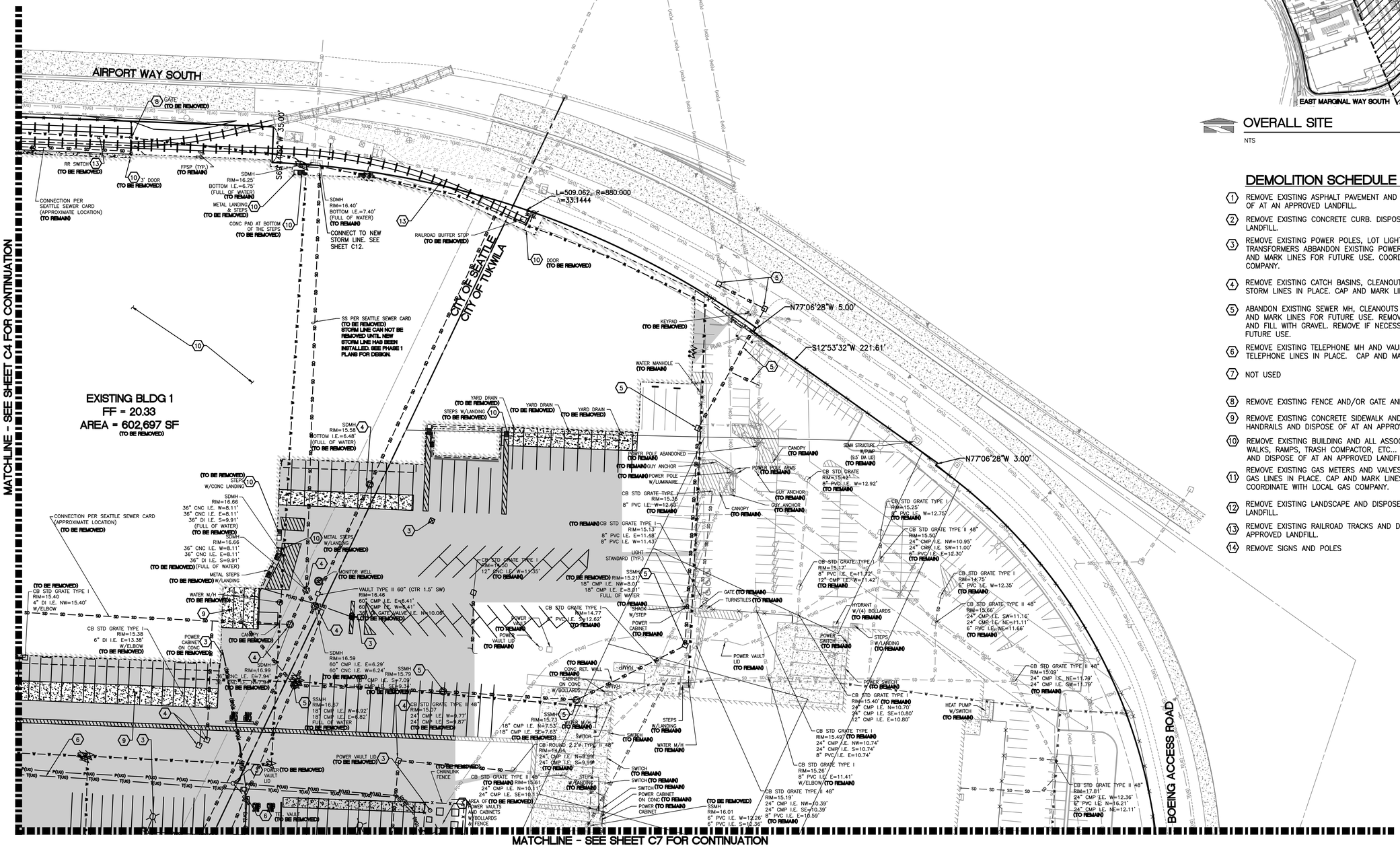
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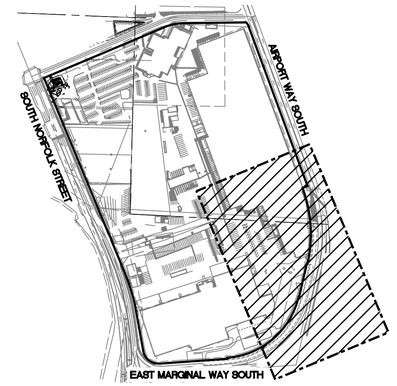
DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

1"=50'

0 25 50 100





OVERALL SITE
NTS

DEMOLITION SCHEDULE

1. REMOVE EXISTING ASPHALT PAVEMENT AND STRIPING. DISPOSE OF AT AN APPROVED LANDFILL.
2. REMOVE EXISTING CONCRETE CURB. DISPOSE OF AT AN APPROVED LANDFILL.
3. REMOVE EXISTING POWER POLES, LOT LIGHTS, VAULTS AND TRANSFORMERS ABBANDON EXISTING POWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL POWER COMPANY.
4. REMOVE EXISTING CATCH BASINS, CLEANOUTS & ROOF DRAINS. ABANDON STORM LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
5. ABANDON EXISTING SEWER MH, CLEANOUTS & SEWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. REMOVE CONE AND SEWER MANHOLES AND FILL WITH GRAVEL. REMOVE IF NECESSARY. CAP AND MARK LINES FOR FUTURE USE.
6. REMOVE EXISTING TELEPHONE MH AND VAULTS. ABANDOND EXISTING TELEPHONE LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
7. NOT USED
8. REMOVE EXISTING FENCE AND/OR GATE AND DISPOSE OF OFFSITE.
9. REMOVE EXISTING CONCRETE SIDEWALK AND ALL ASSOCIATED STAIRS AND HANDRAILS AND DISPOSE OF AT AN APPROVED LANDFILL.
10. REMOVE EXISTING BUILDING AND ALL ASSOCIATED WALLS, CONCRETE WALKS, RAMPS, TRASH COMPACTOR, ETC... & UTILITIES–INSIDE AND OUT AND DISPOSE OF AT AN APPROVED LANDFILL.
11. REMOVE EXISTING GAS METERS AND VALVES. ABANDON EXISTING GAS LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL GAS COMPANY.
12. REMOVE EXISTING LANDSCAPE AND DISPOSE OF AT AN APPROVED LANDFILL.
13. REMOVE EXISTING RAILROAD TRACKS AND DISPOSE OF AT AN APPROVED LANDFILL.
14. REMOVE SIGNS AND POLES

No.	Date	By	Ckd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE, SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALLARD — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=50' Vertical –
Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22
BSUTEY Xref: ~~~~
Scale:1" = 1'

Barghausen Consulting Engineers, Inc.
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Kent, WA 98032
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barghausen.com

Job Number 18182
Sheet C5 of 22

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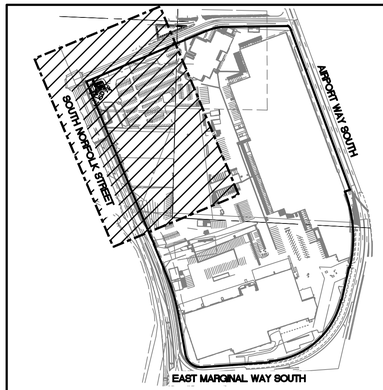
DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

1"=50'

0 25 50 100

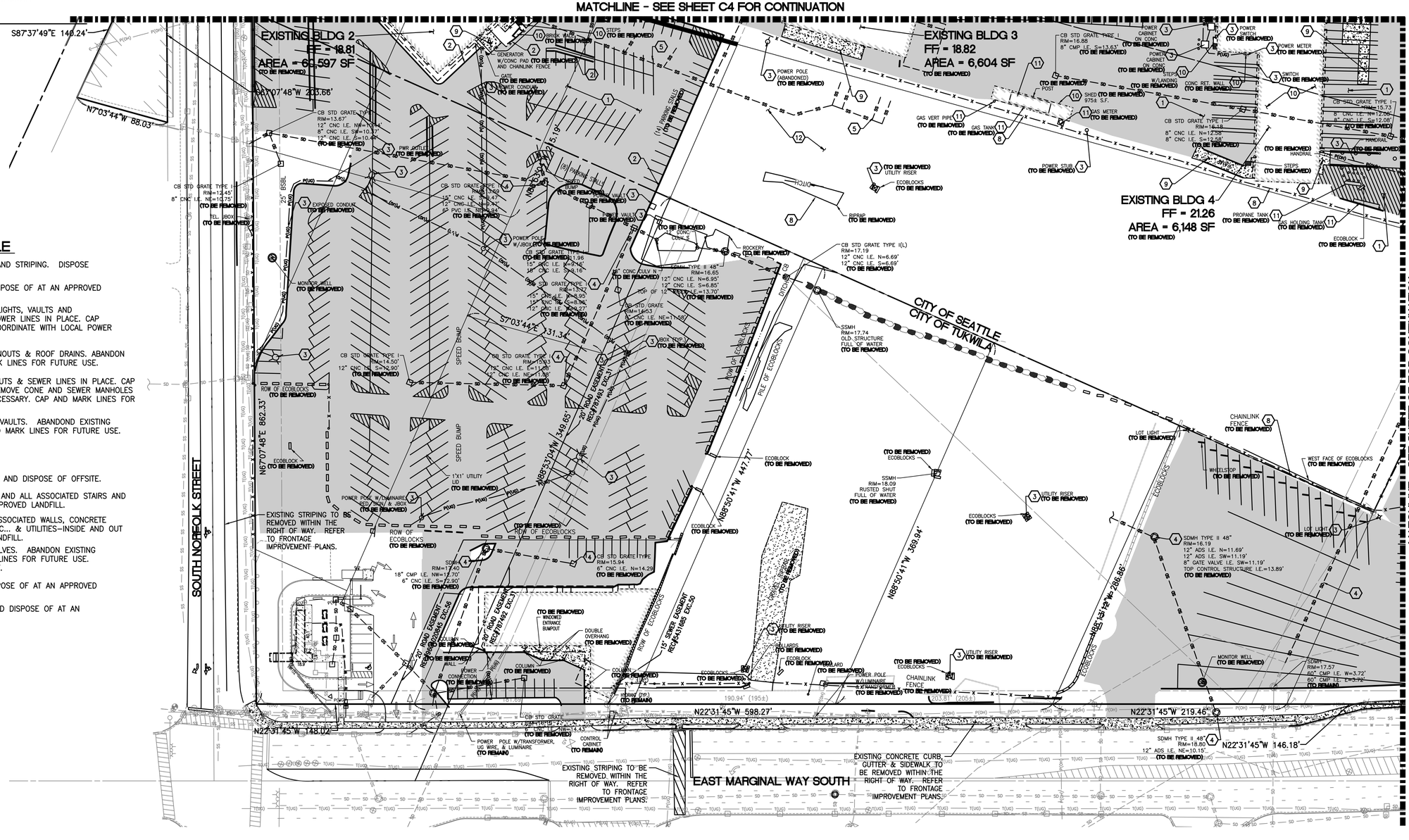


OVERALL SITE
NTS

MATCHLINE - SEE SHEET C4 FOR CONTINUATION

DEMOLITION SCHEDULE

1. REMOVE EXISTING ASPHALT PAVEMENT AND STRIPING. DISPOSE OF AT AN APPROVED LANDFILL.
2. REMOVE EXISTING CONCRETE CURB. DISPOSE OF AT AN APPROVED LANDFILL.
3. REMOVE EXISTING POWER POLES, LOT LIGHTS, VAULTS AND TRANSFORMERS ABBANDON EXISTING POWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL POWER COMPANY.
4. REMOVE EXISTING CATCH BASINS, CLEANOUTS & ROOF DRAINS. ABANDON STORM LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
5. ABANDON EXISTING SEWER MH, CLEANOUTS & SEWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. REMOVE CONE AND SEWER MANHOLES AND FILL WITH GRAVEL. REMOVE IF NECESSARY. CAP AND MARK LINES FOR FUTURE USE.
6. REMOVE EXISTING TELEPHONE MH AND VAULTS. ABANDOND EXISTING TELEPHONE LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
7. NOT USED
8. REMOVE EXISTING FENCE AND/OR GATE AND DISPOSE OF OFFSITE.
9. REMOVE EXISTING CONCRETE SIDEWALK AND ALL ASSOCIATED STAIRS AND HANDRAILS AND DISPOSE OF AT AN APPROVED LANDFILL.
10. REMOVE EXISTING BUILDING AND ALL ASSOCIATED WALLS, CONCRETE WALKS, RAMPS, TRASH COMPACTOR, ETC... & UTILITIES–INSIDE AND OUT AND DISPOSE OF AT AN APPROVED LANDFILL.
11. REMOVE EXISTING GAS METERS AND VALVES. ABANDON EXISTING GAS LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL GAS COMPANY.
12. REMOVE EXISTING LANDSCAPE AND DISPOSE OF AT AN APPROVED LANDFILL.
13. REMOVE EXISTING RAILROAD TRACKS AND DISPOSE OF AT AN APPROVED LANDFILL.
14. REMOVE SIGNS AND POLES



No.	Date	By	Ckd. / Appr.	Revision
4	5/31/22	BDW	JEP / DKB	REVISED WATER DESIGN

Title: DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

Barghausen
Consulting Engineers, Inc.
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Kent, WA 98032
425.251.6222
barghausen.com

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=50' Vertical –
Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22
BSURVEY Xref: ~~~~
Scale=1" = 1'

Job Number 18182
Sheet C6 of 22

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DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

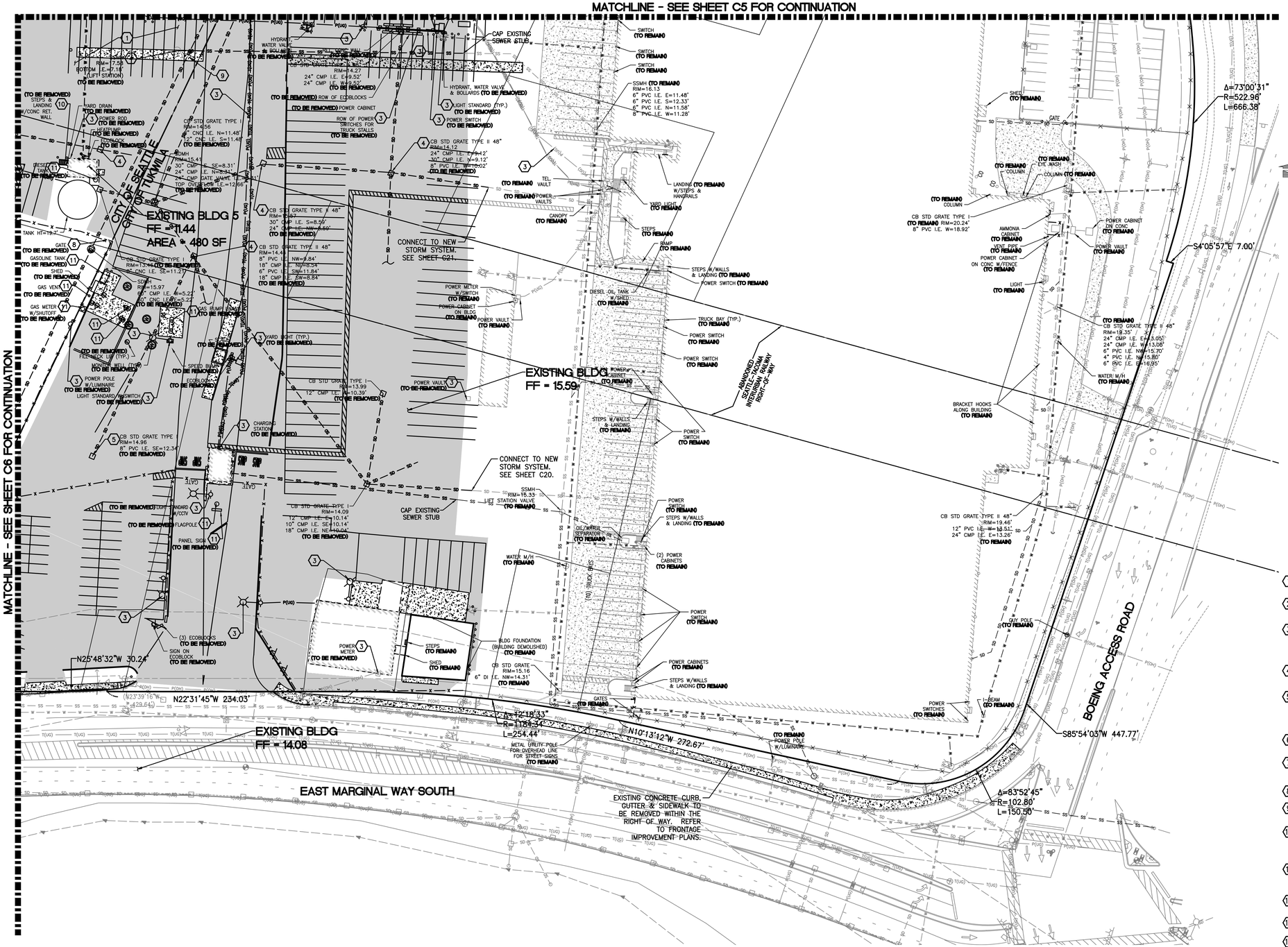
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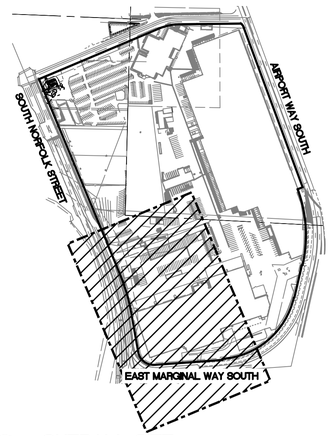
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

1"=50'

0 25 50 100

MATCHLINE - SEE SHEET C5 FOR CONTINUATION





OVERALL SITE
NTS

DEMOLITION SCHEDULE

1. REMOVE EXISTING ASPHALT PAVEMENT AND STRIPING. DISPOSE OF AT AN APPROVED LANDFILL.
2. REMOVE EXISTING CONCRETE CURB. DISPOSE OF AT AN APPROVED LANDFILL.
3. REMOVE EXISTING POWER POLES, LOT LIGHTS, VAULTS AND TRANSFORMERS ABBANDON EXISTING POWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL POWER COMPANY.
4. REMOVE EXISTING CATCH BASINS, CLEANOUTS & ROOF DRAINS. ABANDON STORM LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
5. ABANDON EXISTING SEWER MH, CLEANOUTS & SEWER LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. REMOVE CONE AND SEWER MANHOLES AND FILL WITH GRAVEL. REMOVE IF NECESSARY. CAP AND MARK LINES FOR FUTURE USE.
6. REMOVE EXISTING TELEPHONE MH AND VAULTS. ABANDOND EXISTING TELEPHONE LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE.
7. NOT USED
8. REMOVE EXISTING FENCE AND/OR GATE AND DISPOSE OF OFFSITE.
9. REMOVE EXISTING CONCRETE SIDEWALK AND ALL ASSOCIATED STAIRS AND HANDRAILS AND DISPOSE OF AT AN APPROVED LANDFILL.
10. REMOVE EXISTING BUILDING AND ALL ASSOCIATED WALLS, CONCRETE WALKS, RAMPS, TRASH COMPACTOR, ETC., & UTILITIES–INSIDE AND OUT AND DISPOSE OF AT AN APPROVED LANDFILL.
11. REMOVE EXISTING GAS METERS AND VALVES. ABANDON EXISTING GAS LINES IN PLACE. CAP AND MARK LINES FOR FUTURE USE. COORDINATE WITH LOCAL GAS COMPANY.
12. REMOVE EXISTING LANDSCAPE AND DISPOSE OF AT AN APPROVED LANDFILL.
13. REMOVE EXISTING RAILROAD TRACKS AND DISPOSE OF AT AN APPROVED LANDFILL.
14. REMOVE SIGNS AND POLES

No.	Date	By	Revision
4	5/31/22	BDW	REVISED WATER DESIGN
		JEP	
		DKB	
		Ckd.	Appr.

Title: DEMOLITION PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=50' Vertical –

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 5/31/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C7 of 22

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GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND

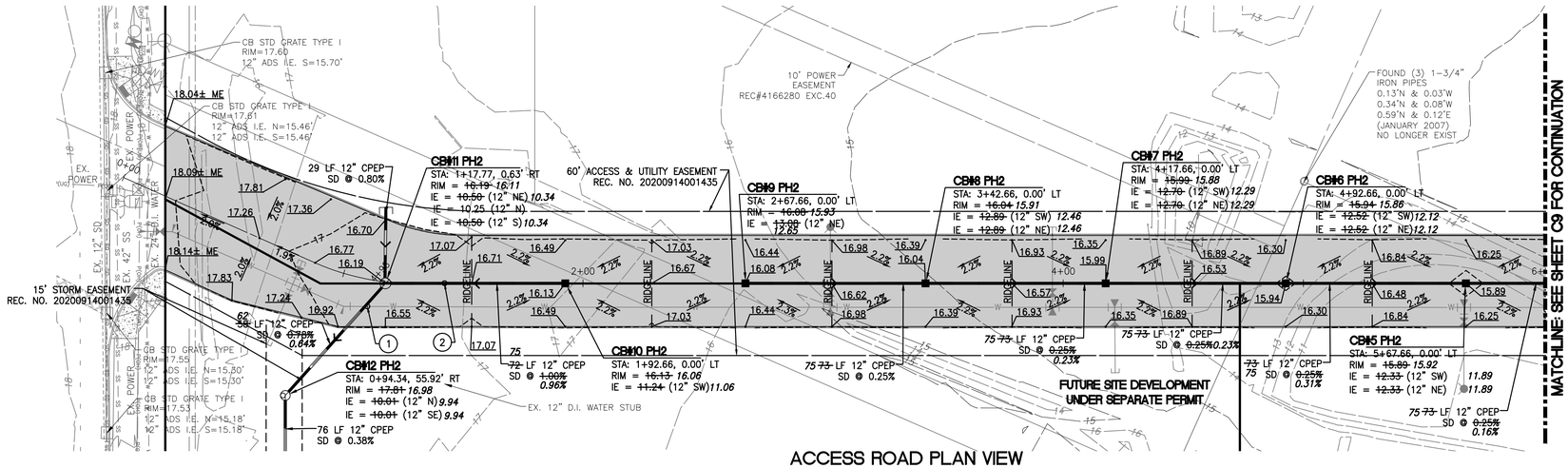
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C17
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C17
- CONCRETE PAVEMENT SEE DETAIL SHEET C17

NOTE:

1. WATER LINES AND STRUCTURES ARE SHOWN FOR REFERENCE ONLY.

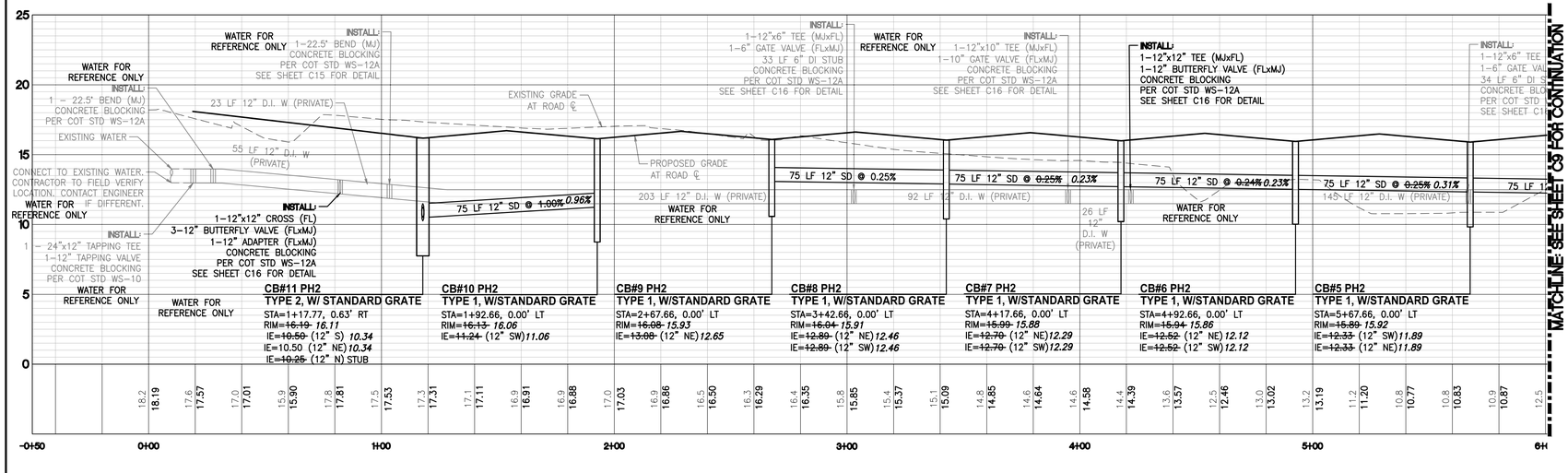
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VERTICAL: 1"=5'
0 2.5 5 10



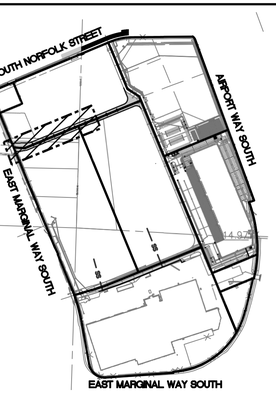
ACCESS ROAD PLAN VIEW
STA: 0+00 - 6+00

SCALE: H: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 0+00 - 6+00

SCALE: H: 1"=30'



OVERALL SITE

NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C13.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C13.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C13.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C13.
5. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C14.
6. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C14.
7. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
8. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C16.
9. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C16.
10. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C16.
11. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C17).
12. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
13. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
14. SEE SHEET C12 FOR CONSTRUCTION STORMWATER CONTROL (CSC) GENERAL NOTES.
18. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C17 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE.

UTILITY CROSSING TABLE:

① IE = 12.00 (12" D.I. WATER)
*T/P = 11.38 (12" CPEP SD)
Δ = 0.62'

② IE = 10.75 (12" D.I. SD)
*T/P = 9.50 (12" D.I. WATER)
Δ = 1.25'

* ALL WATER CROSSINGS EXCEED 3.5 FEET IN COVER

No.	Date	By	Chkd.	Appr.	Revision
4	5/31/22	BJW	JEP	DKB	REVISED WATER DESIGN

Title: GRADING AND DRAINAGE PLAN FOR PROLOGIS EMERALD GATEWAY - PHASE 2

For: PROLOGIS
12720 GATEWAY DRIVE, SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
barghausen.com
425.251.6222

Job Number 18182

Sheet C8 of 22

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RECORD DRAWING

GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

PROPOSED SITE PAVEMENT LEGEND

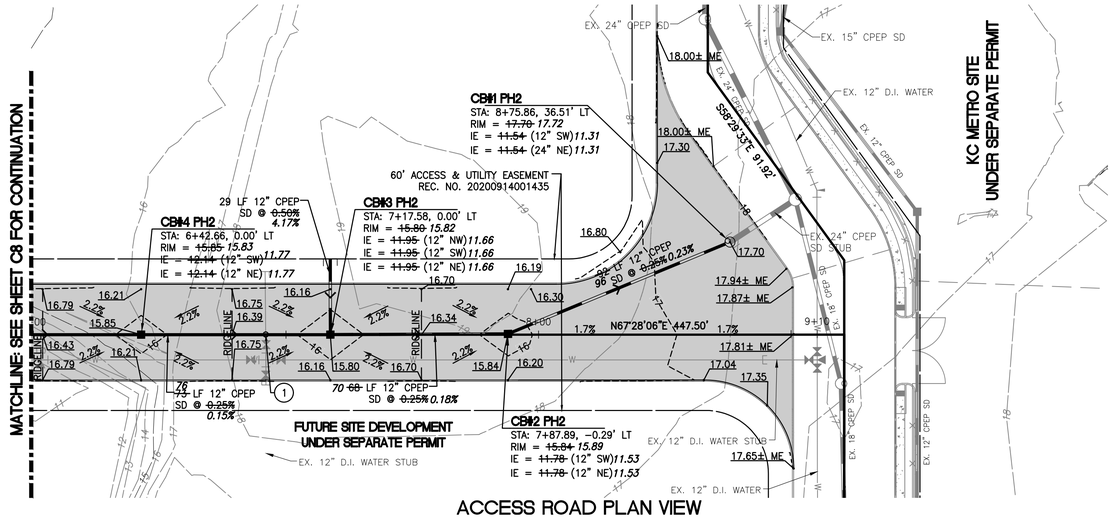
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C17
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C17
- CONCRETE PAVEMENT SEE DETAIL SHEET C17

NOTE:

1. WATER LINES AND STRUCTURES ARE SHOWN FOR REFERENCE ONLY.

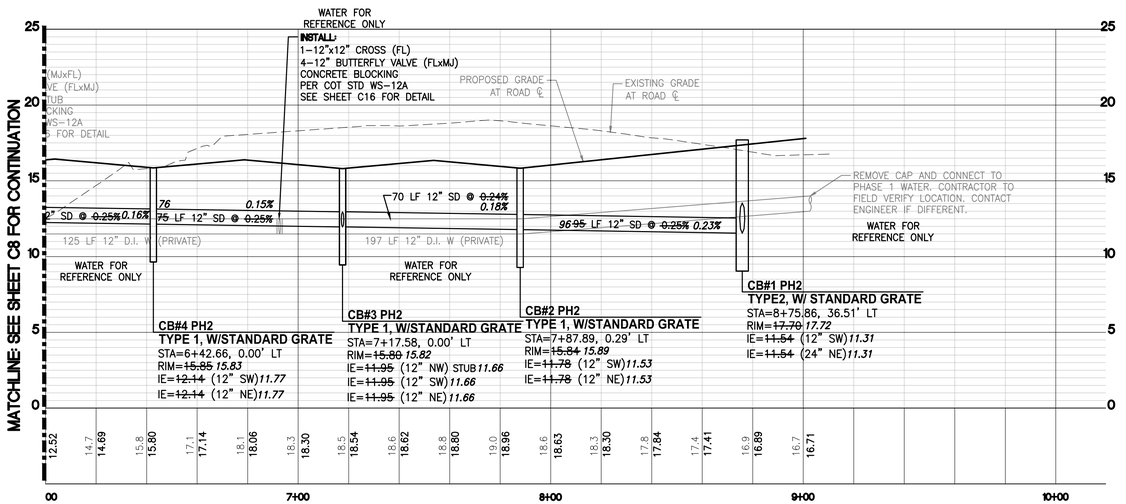
HORIZONTAL: 1"=30'
0 15 30 60

VERTICAL: 1"=5'
0 2.5 5 10



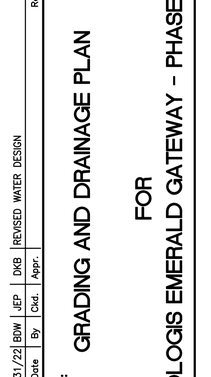
ACCESS ROAD PLAN VIEW
STA: 6+00 - 9+10

SCALE: H:1"=30'



ACCESS ROAD PROFILE VIEW
STA: 6+00 - 9+10

SCALE: H:1"=30' V:1"=5'



OVERALL SITE

NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C13.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C13.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C13.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C13.
5. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C14.
6. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C14.
7. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
8. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C16.
9. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C16.
10. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C16.
11. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C17).
12. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
13. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
14. SEE SHEET C12 FOR CONSTRUCTION STORMWATER CONTROL (CSC) GENERAL NOTES.
18. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C17 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE.

UTILITY CROSSING TABLE:

①	IE = 12.01 (12" D.I. SD) *T/P = 10.75 (12" D.I. WATER) Δ = 1.26'

* ALL WATER CROSSINGS EXCEED 3.5 FEET IN COVER

No.	Date	By	Chkd.	Appr.	Revision
4	5/31/22	BBW	JEP	DKB	REVISED WATER DESIGN

Title: GRADING AND DRAINAGE PLAN FOR PROLOGIS EMERALD GATEWAY - PHASE 2

For: PROLOGIS
12720 GATEWAY DRIVE, SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER
STATE OF WASHINGTON
25672
REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 18182

Sheet C9 of 22

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GRADING AND DRAINAGE PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

PROPOSED SITE PAVEMENT LEGEND

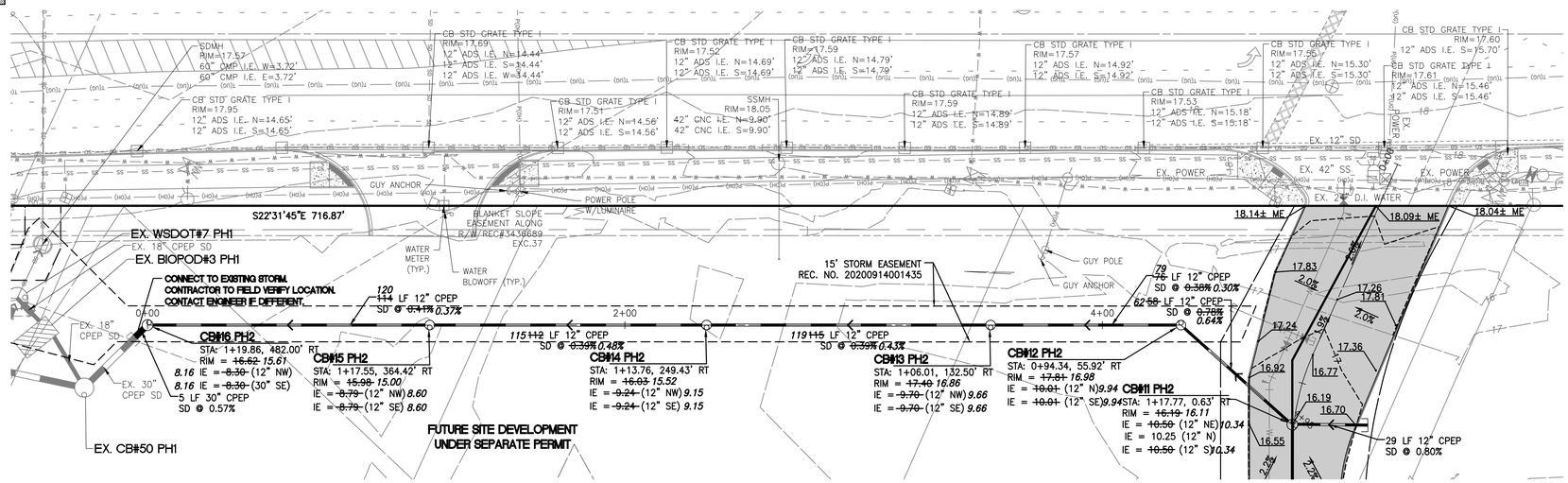
- HEAVY DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C17
- LIGHT DUTY ASPHALT PAVEMENT SEE DETAIL SHEET C17
- CONCRETE PAVEMENT SEE DETAIL SHEET C17

NOTE:

1. WATER LINES AND STRUCTURES ARE SHOWN FOR REFERENCE ONLY.

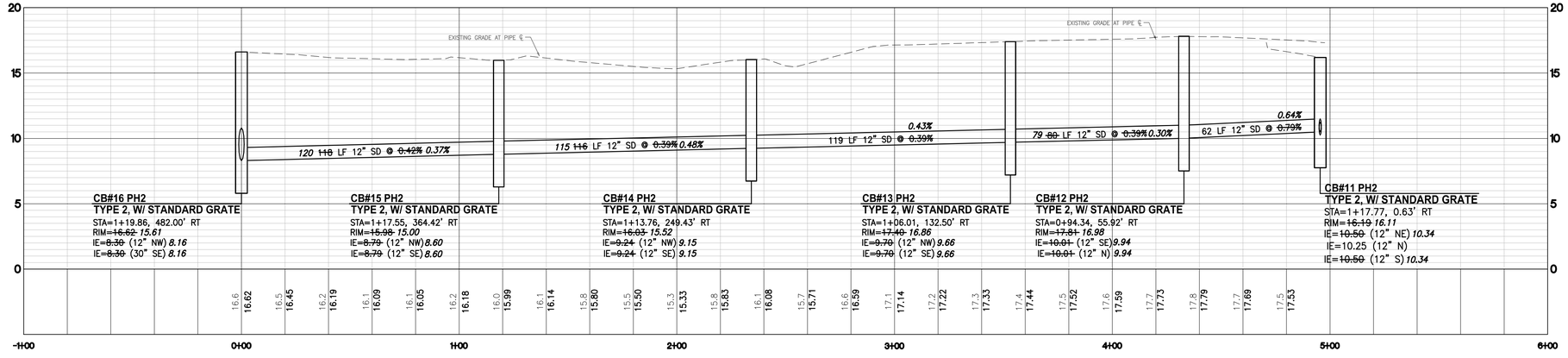
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VERTICAL: 1"=5'
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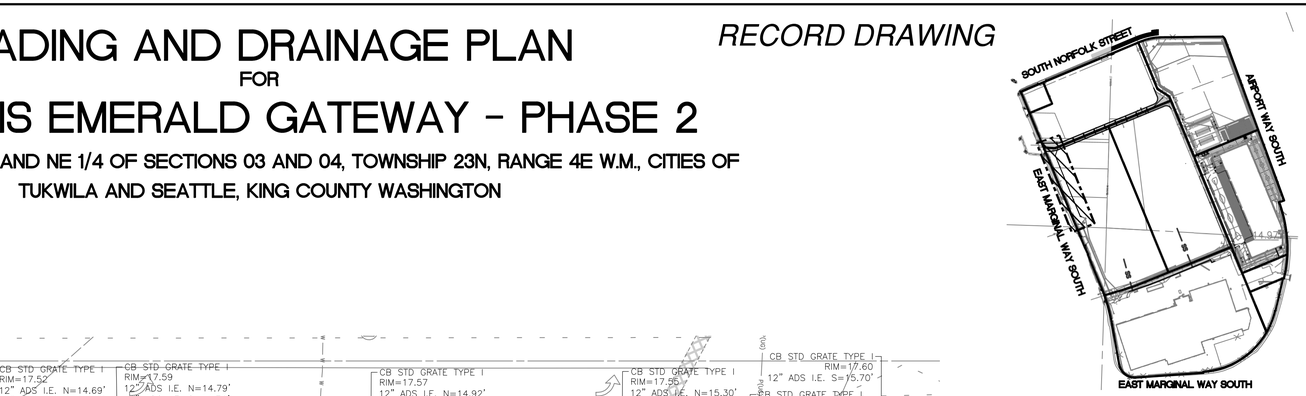
ON SITE STORM PLAN VIEW
STA: 0+00 - 6+00

SCALE: H: 1"=30'



ON SITE STORM PROFILE VIEW
STA: 0+00 - 6+00

SCALE: H: 1"=30' V: 1"=5'



OVERALL SITE

NTS

NOTES:

1. ALL TYPE 1 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-01. SEE DETAIL SHEET C13.
2. ALL TYPE 1L CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-02. SEE DETAIL SHEET C13.
3. ALL TYPE 2 CATCH BASINS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-03. SEE DETAIL SHEET C13.
4. ALL CATCH BASINS TO UTILIZE A STANDARD RECTANGULAR VANED GRATE IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-11 UNLESS OTHERWISE NOTED. SEE VANED GRATE AND SOLID LID DETAILS SHEET C13.
5. CITY OWNED STORM FACILITIES TO UTILIZE A STANDARD 24" FRAME WITH COVER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL DS-16. SEE DETAIL SHEET C14.
6. STORM MANHOLES TO UTILIZE POLYPROPYLENE SAFETY STEP AND LADDER IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS DS-17 AND DS-18. SEE DETAIL SHEET C14.
7. CATCH BASINS ARE SHOWN AT CENTER OF GRATE.
8. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C16.
9. UTILITY ADJUSTMENTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-2. SEE DETAIL SHEET C16.
10. UTILITY TRENCH SEPARATION AND CROSSING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-5. SEE DETAIL SHEET C16.
11. ALL CONCRETE CURBS SHALL BE 6" VERTICAL CURBS EXCEPT AT SIDEWALKS. THE RADIUS AREAS OF ALL CURBS SHALL BE 6" VERTICAL CURB ALSO. (PER DETAIL ON SHEET C17).
12. ALL STORM DRAINAGE, SANITARY SEWER, AND WATER WILL BE PROVIDED BY TUKWILA. FOR SEATTLE REFERENCE ONLY.
13. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
14. SEE SHEET C12 FOR CONSTRUCTION STORMWATER CONTROL (CSC) GENERAL NOTES.
18. REFER TO MINIMUM PIPE CROSSING DETAIL ON SHEET C17 FOR PIPE CROSSINGS WITH LESS THAN 1' OF VERTICAL CLEARANCE.

UTILITY CROSSING TABLE:

①	IE = 12.00 (12" D.I. WATER) *T/P = 11.38 (12" CPEP SD) Δ = 0.62'
②	IE = 10.75 (12" D.I. SD) *T/P = 9.50 (12" D.I. WATER) Δ = 1.25'

* ALL WATER CROSSINGS EXCEED 3.5 FEET IN COVER

No.	Date	By	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: GRADING AND DRAINAGE PLAN FOR PROLOGIS EMERALD GATEWAY - PHASE 2

For: PROLOGIS
12720 GATEWAY DRIVE, SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=30' Vertical 1"=5'

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

Job Number 18182 Sheet C9A of 22

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ACCESS ROAD WATER PLAN

FOR

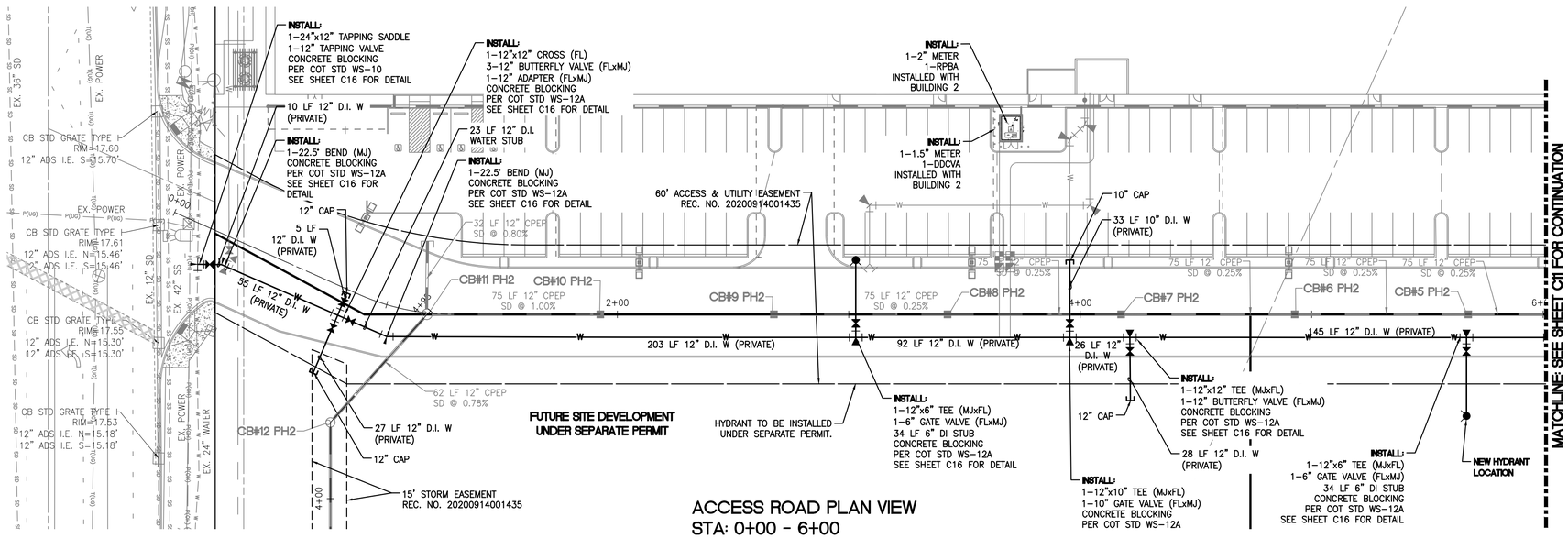
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

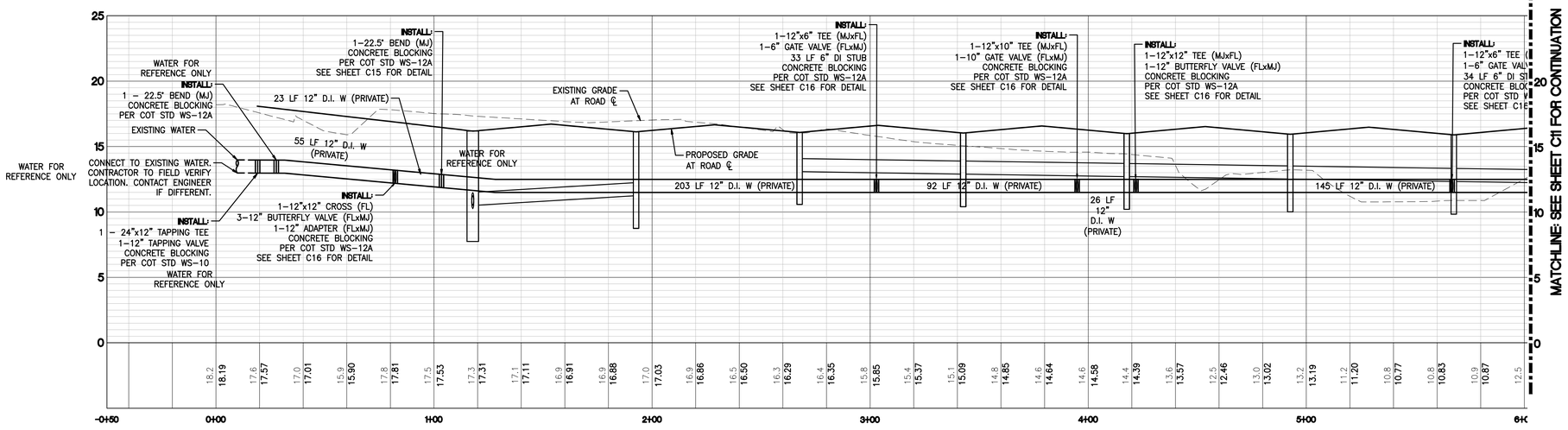
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VERTICAL: 1"=5'
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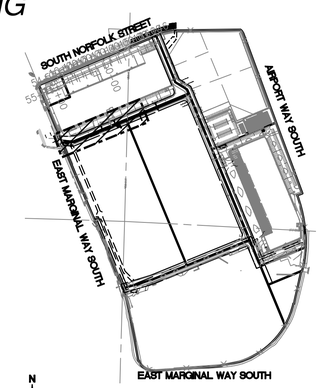
ACCESS ROAD PLAN VIEW
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SCALE: H: 1"=30'



ACCESS ROAD PROFILE VIEW
STA: 0+00 - 6+00

SCALE: H: 1"=30'



OVERALL SITE

NTS

NOTES:

1. WATER METERS AND METER SETTER TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS WS-01, WS-02, AND WS-04. SEE DETAILS SHEET C15.
2. WATER MAIN VALVE BOX WITH OPERATING NUT EXTENSION TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL WS-06. SEE DETAIL SHEET C15.
3. CONCRETE BLOCKING TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL WS-10. SEE DETAILS SHEET C15.
4. FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAILS WS-13 AND WS-14. SEE DETAILS SHEET C15 AND C16.
5. DETECTOR DOUBLE CHECK VALVE AND VAULT TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL WS-15. SEE DETAIL SHEET C16.
6. UTILITY TRENCH BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH CITY OF TUKWILA STANDARD DETAIL G-1. SEE DETAIL SHEET C16.
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11. ABANDON IN PLACE OR REMOVE EXISTING UTILITIES AS NEEDED.
12. SEE SHEET C8 FOR UTILITY CROSSING INFORMATION

NOTE:

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No.	Date	By	Ckd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMER
STATE OF WASHINGTON
25672
REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1"=30' Vertical 1"=5"

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

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18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C10 of 22

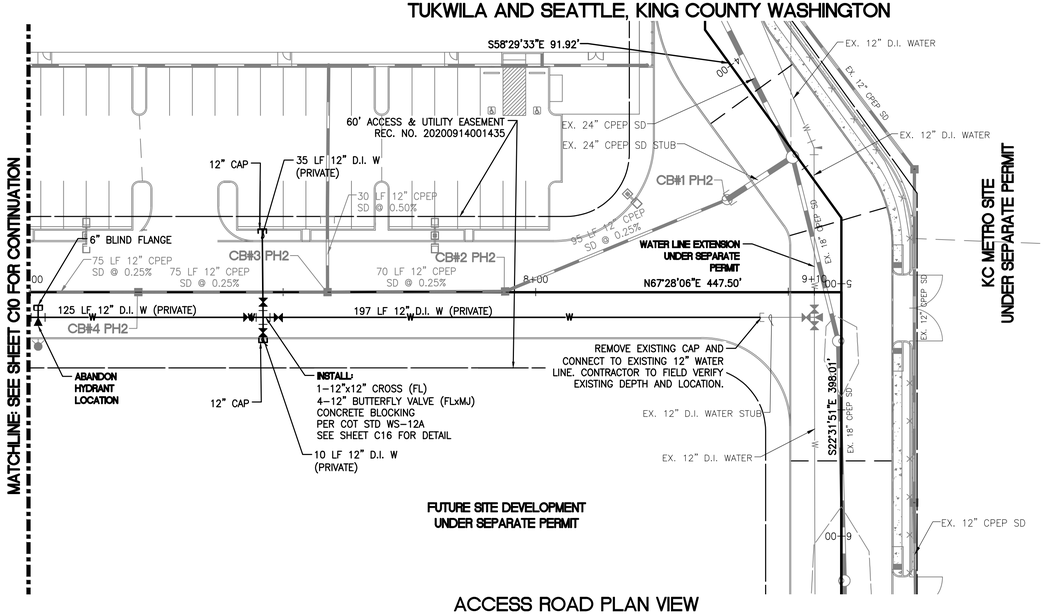
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ACCESS ROAD WATER PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

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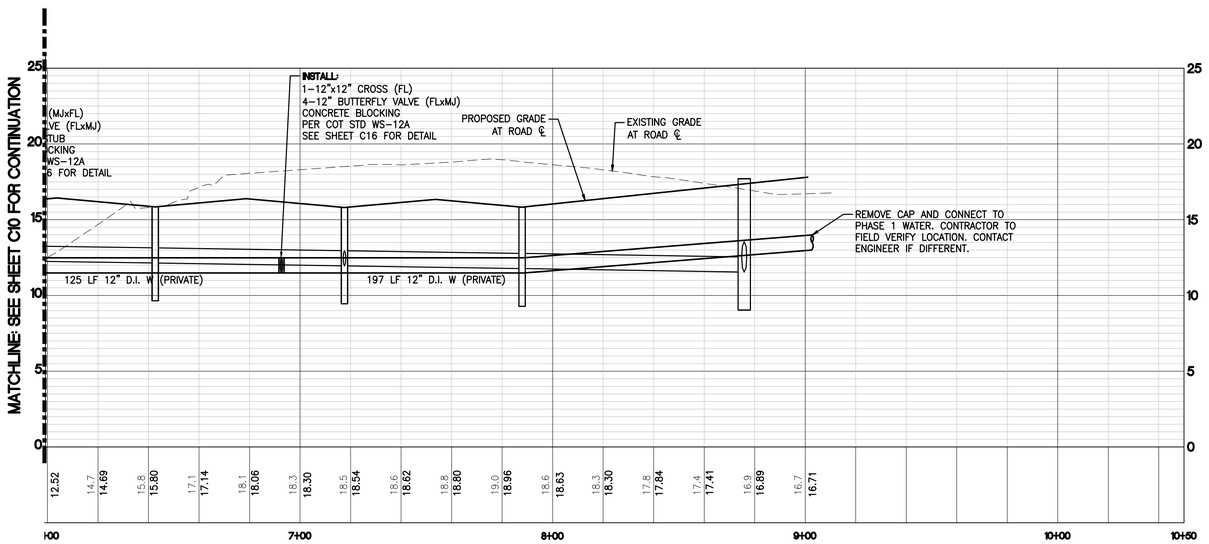
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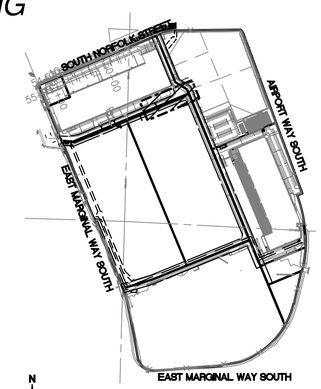
ACCESS ROAD PLAN VIEW
STA: 6+00 - 9+10

SCALE: H:1"=30'



ACCESS ROAD PROFILE VIEW
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SCALE: H:1"=30' V:1"=5'



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12. SEE SHEET C9 FOR UTILITY CROSSING INFORMATION

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FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
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12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

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Job Number 18182

Sheet C11 of 22

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2017 CITY OF SEATTLE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION; THE CITY OF SEATTLE STANDARD PLANS, 2017 EDITION; AND SEATTLE DEPARTMENT OF TRANSPORTATION, DIRECTOR'S RULE 94-8 (REV. 1) FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.

2. A COPY OF THE APPROVED PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

3. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY.

4. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF SEATTLE. THE CONTRACTOR SHALL NOTIFY THE OWNER'S PROFESSIONAL ENGINEERING CONSULTANT OF THE PRE-CONSTRUCTION MEETING TIME AND LOCATION.

5. PAVED SURFACES INCLUDING ROADWAYS, SIDEWALKS, AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED AS REQUIRED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION, STREET USE INSPECTOR.

6. DATUM: NAVD 88. THE CITY OF SEATTLE ESTABLISHED BENCHMARK USED FOR THIS PROJECT IS LOCATED AT TOP OF BRASS DISK 10'S AND 5'W OF BACK OF SIDEWALK @ SE QUADRANT OF INTERSECTION OF S. ANDOVER ST. AND RAINIER AVE. S. AND IS REFERENCED AS CITY OF SEATTLE CONTROL POINT No. SNV-2513. THE BENCHMARK ELEVATION IS 46.05.

7. ALL SURVEYING AND STAKING OF IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY IS TO BE PROVIDED BY THE CITY OF SEATTLE AT OWNER'S EXPENSE.

8. THE CONTRACTOR SHALL NOTIFY THE SEATTLE FIRE DEPARTMENT DISPATCHER (206-386-1495) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.

9. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.

10. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

11. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.

12. UTILITY SERVICE CONNECTIONS SHOWN ON THIS PLAN ARE TO BE MAINTAINED PRIVATELY AND NOT BY THE CITY OF SEATTLE.

13. THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE STREET USE INSPECTOR.

14. BACKFILL MATERIAL USED IN PUBLIC RIGHT-OF-WAY SHALL MEET STANDARD SPECIFICATIONS AND SHALL BE APPROVED BY SEATTLE DEPARTMENT OF TRANSPORTATION.

15. INSPECTION AND ACCEPTANCE OF ALL WORK IN STREET RIGHTS-OF-WAY WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF SEATTLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET CITY STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.

16. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.

17. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR SEATTLE DEPARTMENT OF TRANSPORTATION APPROVAL.

18. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL. A TRAFFIC CONTROL PLAN WILL BE REQUIRED PRIOR TO ISSUANCE OF PERMIT.

19. COORDINATE SIGN AND METER HEAD REMOVAL AND INSTALLATION WITH SEATTLE DEPARTMENT OF TRANSPORTATION (ROBERT BURNS) AT 684-5370. SIGNPOSTS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD PLAN NO.'S 620, 622, 624, & 625.

20. ALL WORK PERFORMED BY SEATTLE CITY LIGHT, SEATTLE WATER, AND OTHER PUBLIC UTILITIES TO REMOVE OR RELOCATE EXISTING UTILITIES SHALL BE DONE AT THE PERMITTEE'S EXPENSE.

21. CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.

22. CONTRACTOR SHALL NOTIFY KING COUNTY METRO AT 684-2732 SEVEN DAYS IN ADVANCE OF ANY IMPACT TO TRANSIT OPERATIONS.

23. CONTRACTOR SHALL CONTACT SEATTLE DEPARTMENT OF TRANSPORTATION, LANDSCAPE ARCHITECT'S OFFICE AT (206)684-5693 FOR APPROVAL OF STREET TREE SPECIES SUBSTITUTIONS AND THEN INSPECTION OF TREES TWO DAYS PRIOR TO PLANTING.

24. "THE CONTRACTOR SHALL NOTIFY THE SDOT LANDSCAPE ARCHITECT'S OFFICE AT LEAST TWO DAYS BEFORE TREE-PLANTING AT (206) 684-5693."

25. ALL WORK ON STREET LIGHT POLES, CONDUITS AND LUMINAIRES WILL BE PROVIDED BY SEATTLE CITY LIGHT. CONTRACTORS SHALL CONTACT BRAD COMBS AT (206) 615-0655 TO COORDINATE STREET LIGHT CONSTRUCTION AND REMOVAL.

SPECIAL NOTES REQUIRED BY CITY OF SEATTLE:

1. GRADING MUST BE STABILIZED BY OCTOBER 31st, AND NO EXCAVATION TO BE PERFORMED BETWEEN OCTOBER 31st AND APRIL 1st WITHOUT AN APPROVED DRY SEASON GRADING EXTENSION LETTER FROM SDCI.
2. A PRE-CONSTRUCTION MEETING IS REQUIRED BETWEEN OWNER'S REPRESENTATIVES, (GEOTECHNICAL SPECIAL INSPECTOR, GENERAL CONTRACTOR AND EXCAVATION CONTRACTOR) AND SDCI SITE INSPECTOR. CONTACT 206-684-8860 TO ARRANGE MEETING.
3. CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE AND APPROVED BY SDCI PRIOR TO ANY EARTH DISTURBANCE. CALL 206-684-8860 TO SCHEDULE AN INSPECTION APPOINTMENT FOR THIS ITEM.

SEDIMENT NOTE:

NO SEDIMENT SHALL BE TRACKED INTO THE STREET OR ONTO PAVED SURFACES. SEDIMENT SHALL BE REMOVED FROM TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE SITE. IN THE EVENT OF FAILURE OF THE EROSION CONTROL SYSTEM RESULTING IN SEDIMENT BEING TRACKED ONTO PAVED SURFACES, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT MEASURES TO CORRECT THE SITUATION, AND STREET SWEEPING SHALL BE EMPLOYED ON AN EMERGENCY BASIS. IF STREET SWEEPING VEHICLES ARE UTILIZED, THEY SHALL BE OF THE TYPE THAT ACTUALLY REMOVES THE SEDIMENT FROM THE PAVEMENT.

WATER SERVICE NOTES

1. APPLICATION FOR A NEW METERED WATER SERVICE AND ALL FEES PAID, IS REQUIRED 60 TO 90 DAYS BEFORE SERVICE WILL BE AVAILABLE. OWNER WILL NEED WATER AVAILABILITY CERTIFICATE, LEGAL DESCRIPTION OF PROPERTY AND THREE (3) COPIES OF APPROVED STREET IMPROVEMENT PLANS WHEN MAKING APPLICATION.
2. ALL WATER SERVICE PIPING ON PROPERTY MUST BE INSPECTED PRIOR TO BACKFILLING TRENCH.
3. FOR INFORMATION AND INSPECTION, TELEPHONE WATER SERVICE AT 684-5800.

GENERAL SEWER AND DRAINAGE NOTES:

UNLESS OTHERWISE SPECIFIED:

1. PIPE LESS THAN 12" DIAMETER SHALL BE CONCRETE PER ASTM C14 CLASS 3.
2. PIPE 12" AND 15" DIAMETER SHALL BE CONCRETE PER ASTM C76 CLASS IV.
3. PIPE 18" DIAMETER AND LARGER SHALL BE CONCRETE PER ASTM C76 CLASS III.
4. DUCTILE IRON PIPE SHALL BE PER ANSI A21.51 CLASS 50 WITH PUSH-ON JOINTS. FITTINGS FOR DUCTILE IRON PIPE SHALL BE DUCTILE PER ANSI A21.10 OR ANSI A21.53 WITH PUSH-ON JOINTS. GLANDS ON MECHANICAL JOINT PIPE AND FITTINGS SHALL BE DUCTILE.
5. PVC PIPE AND FITTINGS SHALL BE PER ASTM D3034, SDR35 WITH RUBBER GASKET JOINTS. PVC PIPE FOR PSS AND PSD SHALL BE TESTED FOR EXCESSIVE DEFLECTION WITH A MANDREL PER SECTION 7-17.3(4) OF THE SPECIFICATIONS.
6. SUBSURFACE DRAIN (SSD) PIPE AND FITTINGS SHALL BE PVC PER ASTM D2241 SDR21 (CLASS 200) WITH RUBBER GASKET JOINTS. PIPE SHALL HAVE SLOTTED PERFORATIONS. SLOTS ARE TO BE 0.040" WIDE 1.0" LONG AND SPACED 0.25" APART. SLOT LOCATIONS SHALL BE LOCATED PER DETAIL ON PLAN.
7. CORRUGATED METAL PIPE SHALL BE ALUMINUM PER AASHTO M196 TYPE 6" DIAMETER PIPE SHALL BE 0.060" THICK WITH 1-1/2" X 1/4" CORRUGATIONS.
8. BEDDING SHALL BE CLASS B FOR ALL PIPE EXCEPT DUCTILE IRON PIPE, WHICH SHALL BE CLASS D. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MINERAL AGGREGATE TYPE 22. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MECHANICALLY COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS MEASURED BY ASTM D1557.
9. TEES ON NEW PIPE LESS THAN 24" DIAMETER SHALL BE PREFABRICATED. TEES ON EXISTING PIPE OR ON NEW PIPE WITHOUT PREFABRICATED TEES SHALL BE CONNECTED BY CORE DRILLING AND FLEXIBLE CONNECTION. SEE SPECIFICATIONS.
10. CATCH BASIN CONNECTIONS, INLET CONNECTIONS, AND SERVICE DRAINS SHALL BE 8" DIAMETER PIPE.
11. TEES, CATCH BASIN CONNECTIONS, SIDE SEWERS, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50%. INLET CONNECTIONS SHALL BE PLACED AT A MINIMUM SLOPE OF 5% AND A MAXIMUM SLOPE OF 50%.
12. RECONNECTION OF EXISTING CATCH BASINS SHALL INCLUDE NEW TRAPS, CONNECTION TO STORM DRAINS, AND REMOVAL OF EXISTING TRAPS.
13. SERVICE DRAINS AND SIDE SEWERS SHALL BE CONNECTED OR RECONNECTED AS APPROVED BY THE INSPECTOR.
14. RELAY EXISTING SERVICE DRAINS AND SIDE SEWERS TO CLEAR OVER OR UNDER THE NEW UTILITY AS APPROVED BY THE INSPECTOR.
15. WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN THE UTILITIES.
16. SERVICE DRAINS AND SIDE SEWERS SHALL NOT BE BACKFILLED UNTIL THE PIPE HAS BEEN INSPECTED AND APPROVED AND THE LOCATION AND DEPTH IS RECORDED BY THE INSPECTOR.
17. PIPE 12" DIAMETER AND LARGER TO BE ABANDONED SHALL BE FILLED WITH PORTLAND CEMENT AND SAND MIXTURE. SEE SPECIFICATIONS.
18. SOILS TEST BORING LOCATIONS ARE INDICATED ON THE PLANS. TEST DATA IS INCLUDED IN THE SPECIFICATIONS.
19. THE CONTRACTOR SHALL PROVIDE SUPPORTS FOR POWER POLES NEAR EXCAVATIONS PER SEATTLE CITY LIGHT STANDARDS NO. D3-6.

CITY OF SEATTLE WATER NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY THE SEATTLE WATER DEPARTMENT A MINIMUM OF 72 HOURS IN ADVANCE OF ALL REQUESTS FOR STAKING, TESTING, OR INSPECTION.
3. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR APPROVAL WHERE REQUIRED BY THE DETAIL SPECIFICATIONS AND FOR VARIATION FROM THE APPROVED DESIGN. ENGINEER IS TO BE NOTIFIED PRIOR TO ANY FIELD CHANGES.
4. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND SEATTLE WATER DEPARTMENT SPECIFICATIONS.
5. CONTRACTOR TO FURNISH ALL MATERIALS.
6. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING PIPE TYPES AND SIZES FOR COUPLINGS AND CONNECTIONS.
7. DEVELOPER TO PAY FOR CITY INSPECTION AND PERMIT FEES.
8. COORDINATE METER LOCATIONS WITH THE SEATTLE WATER DEPARTMENT.
9. NO CHANGES ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE SEATTLE WATER DEPARTMENT.
10. REFER TO SEATTLE WATER DEPARTMENT SPECIFICATIONS FOR ALL REMAINING NOTES AND DETAILS.
11. UTILITY LOCATIONS AS SHOWN ARE APPROXIMATE PER OFFICE DOCUMENTATION RECEIVED FROM RESPECTIVE TELEPHONE, CABLE TV, GAS AND POWER COMPANIES. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. ENGINEER DOES NOT WARRANT UTILITY LOCATIONS SHOWN ON PLAN.
12. TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 90 PERCENT MAXIMUM DENSITY (ASTM D-1557). ALL IMPORTED FILL MATERIAL SHALL BE BANK RUN GRAVEL, CLASS "B." BACKFILL SHALL BE COMPACTED IN SUCCESSIVE LAYERS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS.
13. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN BACKFILLS. NO ROCK OR OTHER IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED OR PLACED IN FILLS.
14. ALL EXISTING UTILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM A FIELD SURVEY AND FROM AVAILABLE PUBLIC RECORDS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES WHICH MAY CONFLICT WITH CONSTRUCTION, WHETHER ON THESE PLANS OR NOT. ENGINEER DOES NOT WARRANT THAT ALL UTILITIES HAVE BEEN SHOWN.
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TELEPHONE COMPANY, THE GAS COMPANY, THE POWER COMPANY, AND THE CABLE TV COMPANY PRIOR TO CONSTRUCTION SO THAT THESE OTHER UTILITIES CAN PREPARE THE NECESSARY PLANS FOR THE EXTENSION OF THEIR RESPECTIVE UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THESE ACTIVITIES DURING CONSTRUCTION.

GENERAL NOTES TUKWILA

1. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE.
2. AT LEAST 48 HOURS BEFORE STARTING PROJECT SITE WORK, NOTIFY THE UTILITIES INSPECTOR AT 206-433-0179.
3. REQUEST A PUBLIC WORKS UTILITY INSPECTION AT LEAST 24 HOURS IN ADVANCE BY CALLING 206-433-0179.
4. THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY, AND DAMAGE TO STRUCTURES AND IMPROVEMENTS RESULTING FROM CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR SHALL HAVE THE PERMIT(S) AND CONDITIONS, THE APPROVED PLANS, AND A CURRENT COPY OF CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS AVAILABLE AT THE JOB SITE.
6. ALL WORK SHALL CONFORM TO THESE APPROVED DRAWINGS. ANY CHANGES FROM THE APPROVED PLANS REQUIRE PRE-APPROVAL FROM THE OWNER, THE ENGINEER, AND THE CITY OF TUKWILA.
7. ALL METHODS AND MATERIALS SHALL MEET CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS, UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR.
8. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF RECORD DRAWINGS ON-SITE.
9. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS PRIOR TO PROJECT FINAL APPROVAL.
10 PROVIDE TRAFFIC CONTROL AND STREET MAINTENANCE PLAN FOR PUBLIC WORKS APPROVAL BEFORE IMPLEMENTATION.
11. ALL SURVEYING FOR PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON LICENSED LAND SURVEYOR. VERTICAL DATUM SHALL BE NAVD 1988. HORIZONTAL DATUM SHALL BE WASHINGTON STATE (GRID) COORDINATES, NORTH ZONE, USING NAD 83/91 SURVEY CONTROL AND TIED TO ANY TWO CITY OF TUKWILA HORIZONTAL CONTROL MONUMENTS. FOR PROJECTS WITHIN A FLOOD CONTROL ZONE, THE PERMITTEE SHALL PROVIDE CONVERSION CALCULATIONS TO NGVD 1929.
12. REPLACE OR RELOCATE ALL SIGNS DAMAGED OR REMOVED DUE TO CONSTRUCTION.
13. RETAIN, REPLACE OR RESTORE EXISTING VEGETATION IN RIGHTS-OF-WAY, EASEMENTS, AND ACCESS TRACTS.

CONSTRUCTION NOTES TUKWILA

1. ALL WORK PERFORMED SHALL BE PER APPROVED PLANS AND SPECIFICATIONS ONLY. THE PERMITTEE IS REQUIRED TO MAINTAIN A SET OF APPROVED PLANS, SPECIFICATIONS, AND ASSOCIATED PERMITS ON THE JOB SITE. WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS.
PERMITTEE SHALL APPLY FOR A REVISION FOR ANY WORK NOT ACCORDING TO THE APPROVED PLANS.
2. PERMITTEE/CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE WITH THE CITY'S INSPECTOR(S) PRIOR TO BEGINNING ANY WORK.
3. WORK IN ROADWAYS
A. ALL WORK IN ROADWAYS SHALL MEET TMC 11 AND THE FOLLOWING:

B. PRIOR TO ANY ACTIVITY IN CITY RIGHT-OF-WAY, THE PERMITTEE SHALL PROVIDE THE CITY A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL. THE TRAFFIC CONTROL PLAN SHALL INCLUDE THE LOCATION, ADDRESS AND DESCRIPTION OF TRAFFIC FLOW DURING THE WORK AND SHALL MEET MUTCD REQUIREMENTS.

C. ALL WORK REQUIRING LANE CLOSURES MUST BE BY PERMIT ONLY. FROM THE THIRD THURSDAY IN NOVEMBER TO THE FOLLOWING JANUARY 2ND, THE DIRECTOR DOES NOT ALLOW LANE CLOSURES IN THE TUKWILA URBAN CENTER.

D. FIRE, PEDESTRIAN, AND VEHICULAR ACCESS TO BUILDINGS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT WHEN PERMITTEE HAS PERMISSION FROM THE BUILDING OWNER AND THE DIRECTOR TO CLOSE AN ACCESS.

E. ALL ROADWAYS SHALL BE KEPT FREE OF DIRT AND DEBRIS USING STREET SWEEPERS. USE OF WATER TRUCKS FOR CLEANING ROADWAYS REQUIRES PREAPPROVAL FROM THE DIRECTOR.

F. INSTALL STEEL PLATES OVER ANY TRENCH, AT ANY TIME WORK IS STOPPED AND THE TRENCH IS LEFT OPEN.

UTILITY NOTES TUKWILA

1. ALL TRENCH EXCAVATION OPERATIONS SHALL MEET OR EXCEED ALL APPLICABLE SHORING LAWS FOR TRENCHES OVER 4-FEET DEEP. ALL TRENCH SAFETY SYSTEMS SHALL MEET WISHA REQUIREMENTS.
2. POWER, CABLE, FIBER OPTICS, AND TELEPHONE LINES SHALL BE IN A TRENCH WITH A 5' MINIMUM HORIZONTAL SEPARATION FROM OTHER UNDERGROUND UTILITIES.
3. ADJUST ALL MANHOLES, CATCH BASINS, AND VALVES IN PUBLIC RIGHTS-OF-WAY OR EASEMENTS AFTER ASPHALT PAVING

STORM DRAINAGE NOTES TUKWILA

1. ALL METHODS AND MATERIALS SHALL MEET CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS, AND THE ADOPTED KING COUNTY SURFACE WATER DESIGN MANUAL, UNLESS OTHERWISE APPROVED.
2. MARK ALL STORM DRAIN INLETS WITH "NO DUMPING DRAINS TO RIVER".
3. DRIVEWAY CULVERTS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS THAT MATCH THE SIDE SLOPE.

CONSTRUCTION STORMWATER CONTROL (CSC) GENERAL NOTES

1. A FIRST GROUND DISTURBANCE INSPECTION IS REQUIRED PRIOR TO START OF WORK ON ALL SITES WITH LAND DISTURBING ACTIVITY.
2. SCHEDULE A FIRST GROUND DISTURBANCE INSPECTION FOR AN ISSUED BUILDING PERMIT AT 206-684-8900 OR ONLINE AT WWW.SEATTLE.GOV/DPD/PERMITS/INSPECTIONS
3. THE APPLICANT SHALL DESIGNATE AN EROSION AND SEDIMENT CONTROL (ESC) SUPERVISOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS). FOR LARGE CONSTRUCTION PROJECTS, THE ESC SUPERVISOR SHOULD BE A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL). PROVIDE THE NAME AND PHONE NUMBER OF THE ESC SUPERVISOR TO THE SITE INSPECTOR AT THE FIRST GROUND DISTURBANCE INSPECTION.
4. BMPS SHALL BE INSTALLED PRIOR TO STARTING CONSTRUCTION TO ENSURE SEDIMENT-LADEN WATER DOES NOT LEAVE THE PROJECT SITE OR ENTER ROADSIDE DITCHES, STORM DRAINS, SURFACE WATERS, OR WETLANDS.
5. THE BMPS INCLUDED IN THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. THE APPLICANT IS RESPONSIBLE FOR ENSURING THAT BMPS ARE MODIFIED AS NEEDED FOR UNEXPECTED STORM EVENTS OR OTHER UNFORESEEN CIRCUMSTANCES, AND TO ACCOUNT FOR CHANGING SITE CONDITIONS.
6. ANY AREAS OF DISTURBED SOIL THAT WILL NOT BE WORKED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON (OCT 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPT 30) SHALL BE IMMEDIATELY STABILIZED WITH APPROVED BMPS METHODS (E.G. STRAW, MULCH, PLASTIC COVERING, COLD MIX, ETC.)
7. GRADING AND/OR SOIL DISTURBING ACTIVITIES MAY BE LIMITED OR PROHIBITED FOR CERTAIN SITES SUBJECT TO ECA STANDARDS (I.E. ECA STEEP SLOPES, LANDSLIDE PRONE AREAS, ETC.) BETWEEN OCTOBER 31ST AND APRIL 1ST. IF NOTED IN THE GEOTECHNICAL SPECIAL INSPECTIONS REQUIREMENTS, A GRADING SEASON EXTENSION LETTER (GSEL) ISSUED BY SDCI IS REQUIRED FOR ALL GRADING AND/OR SOIL DISTURBING ACTIVITIES DURING THIS PERIOD. THE GEOTECHNICAL SPECIAL INSPECTOR MUST SUBMIT ELECTRONIC APPLICATIONS FOR A GSEL USING THE SDCI PROJECT PORTAL. ALLOW FOUR TO SIX WEEKS FOR PROCESSING. FAILURE TO OBTAIN THE GSEL PRIOR TO OCTOBER 31 MAY RESULT IN A WORK STOPPAGE.
8. CITY STREETS AND SIDEWALKS SHALL BE KEPT CLEAN AT ALL TIMES. NO MATERIAL SHALL BE STORED ON CITY STREETS OR SIDEWALKS WITHOUT A STREET USE PERMIT FROM THE SEATTLE DEPARTMENT OF TRANSPORTATION (SDOT).
9. POLLUTION CONTROL MEASURES SHALL BE FOLLOWED TO ENSURE THAT NO LIQUID PRODUCTS OR CONTAMINATED WATER ENTERS ANY STORM DRAINAGE FACILITIES OR OTHERWISE LEAVES THE PROJECT SITE. ANY HAZARDOUS MATERIALS OR LIQUID PRODUCTS THAT HAVE THE POTENTIAL TO POLLUTE RUNOFF SHALL BE STORED AND DISPOSED OF PROPERLY.
10. ENSURE THAT WASHOUT FROM CONCRETE TRUCKS IS PERFORMED OFF-SITE OR IN DESIGNATED CONCRETE WASHOUT AREAS ONLY. DO NOT WASH OUT CONCRETE TRUCKS ONTO THE GROUND, OR TO STORM DRAINS OR OPEN DITCHES. DO NOT DUMP EXCESS CONCRETE ONSITE, EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS.
11. ALL AREAS OF DISTURBED SOIL SHALL BE FULLY STABILIZED WITH THE APPROPRIATE SOIL AMENDMENT AND COVER MEASURES AT COMPLETION OF THE PROJECT. TYPICAL COVER MEASURES INCLUDE LANDSCAPING OR HYDROSEED WITH MULCH.

NOTE:

1. WATER LINES AND STRUCTURES ARE SHOWN FOR REFERENCE ONLY.

No.	Date	By	Ckd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1 Vertical 1

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

BSURVEY Xref: ~~~~ Scale:1" = 1"

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C12 of 22

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

RECORD DRAWING

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

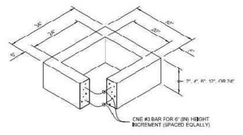
DRAWN BY: LISA CHYORO



FRAME AND VANED GRATE

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	72"
ALL METAL PIPE	15"
CPSSP ★ (STD.SPEC. SECT. 9-05.12(2))	12"
SOLID WALL PVC (STD.SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD.SPEC. SECT. 9-05.12(2))	15"

★ CORRUGATED POLYETHYLENE STORM SEWER PIPE



RECTANGULAR ADJUSTMENT SECTION

NOTES

1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE **PRECAST BASE SECTION.** Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3.**
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section.**
7. All pickup holes shall be grouted full after the basin has been placed.

DS-01

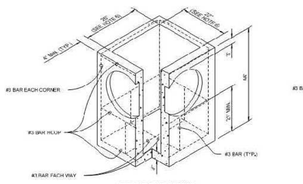
CATCH BASIN TYPE 1

STANDARD PLAN B-5.20-02

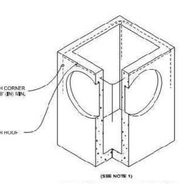
SHEET 1 OF 1 SHEET

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PRECAST BASE SECTION



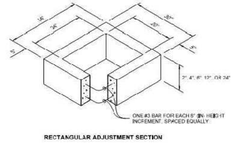
ALTERNATIVE PRECAST BASE SECTION (SEE NOTE 1)



FRAME AND VANED GRATE

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	18"
ALL METAL PIPE	21"
CPSSP ★ (STD.SPEC. SECT. 9-05.20)	18"
SOLID WALL PVC (STD.SPEC. SECT. 9-05.12(1))	21"
PROFILE WALL PVC (STD.SPEC. SECT. 9-05.12(2))	21"

★ CORRUGATED POLYETHYLENE STORM SEWER PIPE



RECTANGULAR ADJUSTMENT SECTION

NOTES

1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE **PRECAST BASE SECTION.** Wire mesh shall not be placed in the knockouts.
2. The knockout shall not be greater than 26" (in). In any direction. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3.**
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the Precast Base Section.
7. All pickup holes shall be grouted full after the basin has been placed.

DS-02

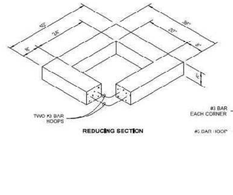
CATCH BASIN TYPE 1L

STANDARD PLAN B-5.40-02

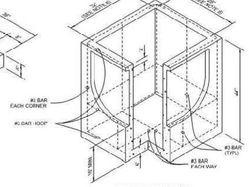
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

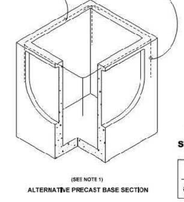
Washington State Department of Transportation



REDUCING SECTION



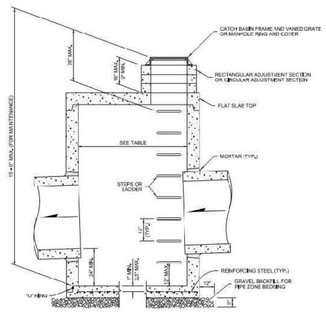
PRECAST BASE SECTION



(SEE NOTE 1)

ALTERNATIVE PRECAST BASE SECTION

DRAWN BY: FERN JERDELL



NOTES

1. No steps are required when height is 4' or less.
2. The bottom of the precast catch basin may be sloped to facilitate cleaning.
3. The rectangular frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.
4. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.0" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3.**

CATCH BASIN DIMENSIONS

CATCH BASIN DIAMETER	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"
120"	10"	12"	96"	12"
144"	12"	12"	108"	12"

PIPE ALLOWANCES

CATCH BASIN DIAMETER	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER				
	CONCRETE	ALL METAL	CPSSP ① PP ④	SOLID WALL PVC ②	PROFILE WALL PVC ②③
48"	24"	30"	24"	30"	30"
54"	33"	36"	30"	36"	36"
60"	39"	42"	36"	42"	42"
72"	42"	54"	42"	48"	48"
84"	54"	60"	54"	48"	48"
96"	63"	72"	60"	48"	48"
120"	63"	84"	60"	48"	48"
144"	73"	96"	60"	48"	48"

① Corrugated Polyethylene Storm Sewer Pipe (See **Standard Specification Section 9-05.20**)
② (See **Standard Specification Section 9-05.12(1)**)
③ (See **Standard Specification Section 9-05.12(2)**)
④ Polypropylene Pipe (See **Standard Specification Section 9-05.24**)

DS-03

CATCH BASIN TYPE 2

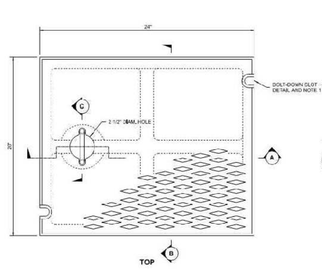
STANDARD PLAN B-10.20-02

SHEET 1 OF 1 SHEET

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DRAWN BY: FERN JERDELL

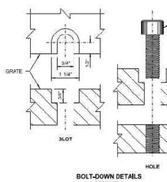


TOP

SECTION (B)

NOTES

1. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC × 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
2. Alternative reinforcing designs are acceptable in lieu of the rib design.
3. Refer to **Standard Specification Section 9-06.15** and **9-06.16(2)** for additional requirements.
4. For frame details, see **Standard Plan B-30.10.**



BOLT-DOWN DETAILS
SEE NOTE 1

DS-05

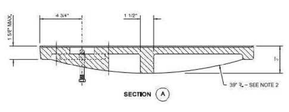
RECTANGULAR SOLID METAL COVER

STANDARD PLAN B-30.20-04

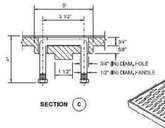
SHEET 1 OF 1 SHEET

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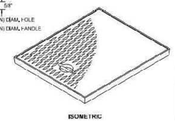
Washington State Department of Transportation



SECTION (A)

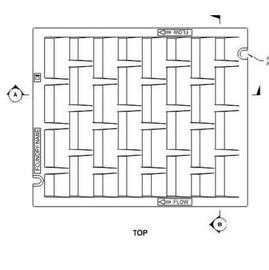


SECTION (C)

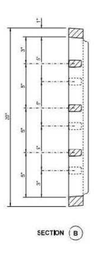


ISOMETRIC

DRAWN BY: FERN JERDELL



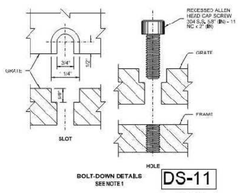
TOP



SECTION (B)

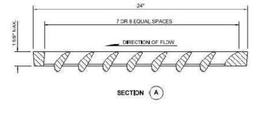
NOTES

1. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC × 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
2. Refer to **Standard Specification Section 9-05.15** and **9-05.16(2)** for additional requirements.
3. For frame details, see **Standard Plan B-30.10.**

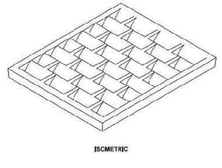


BOLT-DOWN DETAILS
SEE NOTE 1

DS-11



SECTION (A)



ISOMETRIC

RECTANGULAR VANED GRATE

STANDARD PLAN B-30.30-03

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Washington State Department of Transportation

No.	Date	By	Chkd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 20672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal – Vertical –

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Scale: 1" = 1" BSUTEY Xref: ~~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 **barghausen.com**

Job Number 18182

Sheet C13 of 22

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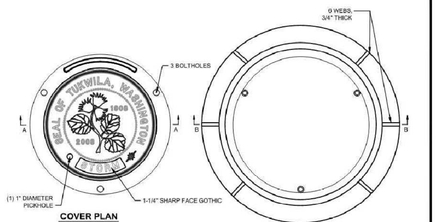
CONSTRUCTION NOTES AND DETAILS

RECORD DRAWING

FOR

PROLOGIS EMERALD GATEWAY – PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

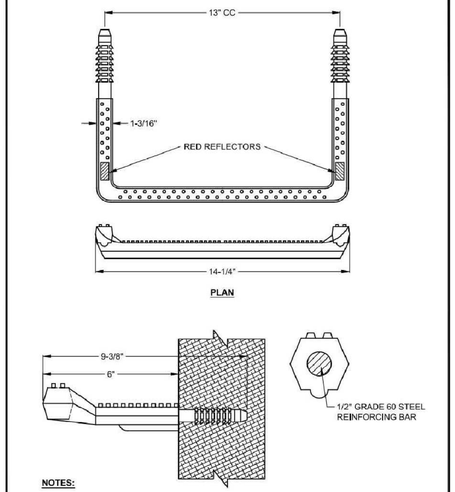


NOTES:

1. FRAME TO BE GROUTED
2. EJIW CATALOG NUMBER 3715Z(PT) 3717C1(PT) ASSEMBLY, WITH THE SEAL OF TUKWILA, AND LEGENDS 1908, 2008, AND STORM.
3. NON-LOCKING PRODUCT NO. 00371785A01
3. PRODUCT NO. 00371783A01 (LOCKING)
4. INSTALL SO THAT BOLT HOLES ALIGN WITH CENTER OF LADDER.

NOT TO SCALE

City of Tukwila	STORM MANHOLE
	24" FRAME WITH COVER (CITY OWNED FACILITY)
	SHEET: DS-16
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

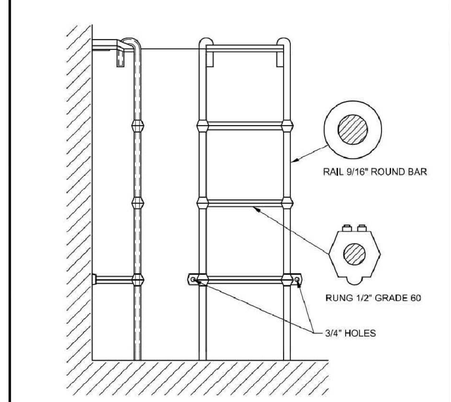


NOTES:

1. LANE P-14938 OR APPROVED EQUAL.

NOT TO SCALE

City of Tukwila	MANHOLE
	POLYPROPYLENE SAFETY STEP
	SHEET: DS-17
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI



NOTES:

1. LANE POLYPROPYLENE LADDER
2. POLYPROPYLENE ASTM D4101
3. 1/2" GRADE 60 REINFORCING BAR A615
4. 9/16" COLD DRAWN BAR C1018
5. 3/8" DIA. BOLT 316-SS, 3-1/2" LONG
6. 316-SS TYP AT LADDER MOUNTS
7. REFER TO SS-13 FOR STEP DETAIL

NOT TO SCALE

City of Tukwila	MANHOLE
	LADDER
	SHEET: DS-18
	LAST REVISION: APRIL 2019
	APPROVAL: H. PONNEKANTI

No.	Date	By	Ckd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: CONSTRUCTION NOTES AND DETAILS FOR PROLOGIS EMERALD GATEWAY – PHASE 2

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal – Vertical –

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Scale:1" = 1" BSUTEY Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
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425.251.6222 barghausen.com

Job Number 18182

Sheet C14 of 22

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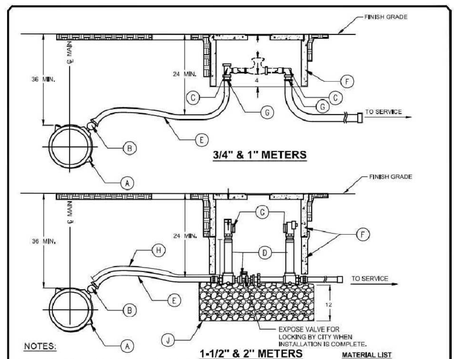
NOTE:

1. WATER LINES AND STRUCTURES ARE SHOWN FOR REFERENCE ONLY.

CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

RECORD DRAWING

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON



NOTES:

1. FOR PARTS LIST REFER TO CHAPTER 7.1 - TUKWILA INFRASTRUCTURE DESIGN AND CONSTRUCTION STANDARDS.
2. SERVICE LINE SHALL BE PERPENDICULAR TO THE WATERMAIN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. ENGINEER SHALL PROVIDE PRESSURE AND FLOW CALCULATIONS WHEN A SINGLE METER IS SERVING BOTH DOMESTIC SERVICE AND A FIRE SUPPRESSION SYSTEM.
4. NO METER BOXES IN SIDEWALKS AND DRIVEWAYS WHERE POSSIBLE, WHERE METERS CANNOT BE PROTECTED FROM TRAFFIC, A TRAFFIC RATED ENCLOSURE IS REQUIRED. METER BOXES IN PEDESTRIAN PATHS WITHIN THE RIGHT OF WAY ARE REQUIRED TO HAVE AN ADA COMPLIANT LID.
5. METER BOX AND SETTER (IF APPLICABLE) SHALL BE SUPPLIED BY PERMITTEE.
6. METER SUPPLIED AND INSTALLED BY CITY OF TUKWILA UPON APPROVED PERMIT AND FINAL SERVICE INSPECTION.
7. POSITION SERVICE PIPING TO CENTER METER BELOW INSPECTION LID AND PROVIDE ADEQUATE CLEARANCE BETWEEN SERVICE PIPING AND METER BOX TO ALLOW REPLACEMENT, TESTING, AND BYPASS OF METER.
8. BRASS FITTINGS SHALL BE LEAD FREE.
. THE LID OF A METER BOX INSTALLED IN A PEDESTRIAN PATH SHALL HAVE A SKID RESISTANT LID PER ADA REQUIREMENTS.

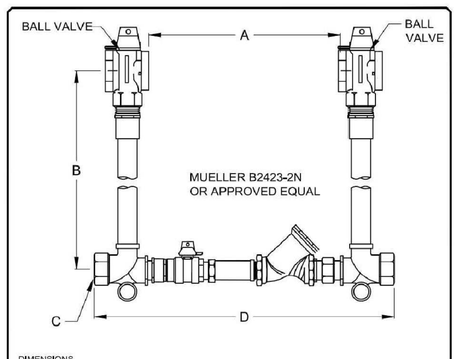
MATERIAL LIST

- (A) TAPPING SADDLE
- (B) CORPORATION STOP
- (C) ANGLE STOP OR TAIL PIECE
- (D) METER SETTER, SEE WS-02.
- (E) SERVICE PIPE
- (F) METER BOX
- (G) COMPRESSION FITTINGS OR COUPLINGS AS REQUIRED
- (H) TRACER TAPE OR WIRE FOR POLYETHYLENE PIPE (IS USED)
- (J) GRAVEL BACKFILL FOR DRAINS PER WSDOT 9-03.12(4).

NOT TO SCALE

City of Tukwila

METER	
3/4", 1", 1-1/2", & 2"	
SHEET:	WS-01
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



DIMENSIONS

METER SIZE	1-1/2"	2"
Dimension A	13.25"	17.25"
Dimension B - Riser Height	15", 18", 21", 24", 27"	15", 18", 21", 24", 27"
Dimension C - Nominal pipe size of inlet and outlet	1-1/2"	2"
Dimension D	21.50"	26.63"

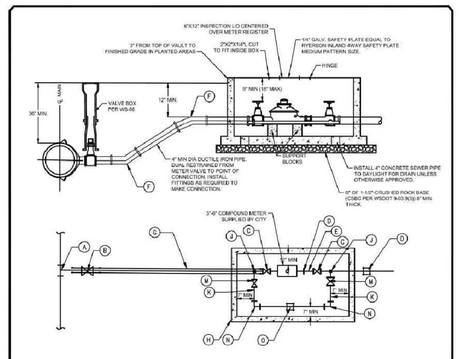
NOTES:

1. COMPOUND METER SUPPLIED AND SET BY THE CITY. 2" SINGLE REGISTER METER REQUIRES PRE-APPROVAL.
2. BYPASS WILL BE LOCKED OFF BY CONSTRUCTION INSPECTOR WHEN METER SPREADER IS INSTALLED.

NOT TO SCALE

City of Tukwila

METER	
1-1/2" AND 2" METER SETTER	
SHEET:	WS-02
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



MATERIAL LIST

- (A) TAPPING TEE
- (B) GATE VALVE
- (C) METER VALVE
- (D) FLANGE COUPLING ADAPTER
- (E) CL 52 DIP FLANGED BY PLAIN END SPOOL
- (F) CONCRETE THRUST BLOCKS PER WS-10
- (G) STEEL TIE RODS AND ROMAC DUCTILE LUGS
- (H) METER VAULT: 8'-11" L X (2' & 4") 9'-11" L X FOR 6"
- (I) DOUBLE STRAP SERVICE SADDLE WITH 2" IPS TAP
- (K) 2" BRASS NIPPLE
- (M) 2" BALL VALVE
- (N) 90° BRASS ELBOW
- (O) 2" COMPRESSION COUPLER

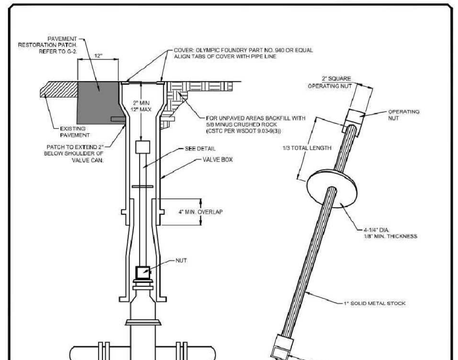
NOTES:

1. METERS 3"-6" SUPPLIED BY CITY.
2. VAULT SHALL BE PRECAST CONCRETE VAULT.
3. ALL PIPE & FITTINGS 4" AND LARGER SHALL BE CEMENT LINED, CL52.
4. PIPING FROM MAIN TO VAULT SHALL BE 4" ON 3" METER INSTALLATION, TEE WITH VALVE ON EXISTING MAIN REQUIRED.
5. BRASS FITTINGS 2" AND LESS SHALL BE LEAD FREE.
6. THE LID OF A VAULT INSTALLED IN A PEDESTRIAN PATH SHALL HAVE A SKID RESISTANT LID PER ADA REQUIREMENTS.

NOT TO SCALE

City of Tukwila

METER	
3" TO 6"	
SHEET:	WS-04
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



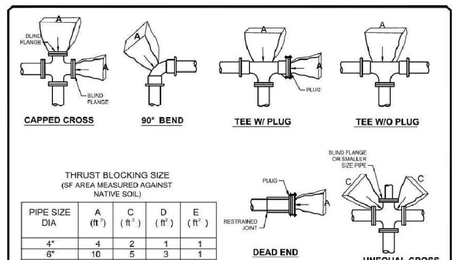
NOTES:

1. TWO PIECE CAST IRON VALVE BOX WITH STANDARD 24" BASE AND 18" TOP WITH 4" OVERLAP, OLYMPIC VALVE BOX OR EQUAL LIDS SHALL HAVE TAPS ALIGNED WITH PIPE LINE.
2. VALVE BOX COVER SHALL BE LABELED "WATER".
3. EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN 5 FEET BELOW FINISHED GRADE.
4. ONLY ONE EXTENSION, MINIMUM OF 4 FEET LONG, TO BE USED PER VALVE.
5. ALL EXTENSIONS ARE TO BE MADE OF STEEL AND PAINTED WITH TWO COATS OF METAL PAINT. NO FIELD-FABRICATED EXTENSIONS.

NOT TO SCALE

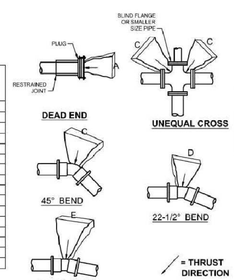
City of Tukwila

WATER MAIN	
VALVE BOX WITH OPERATING NUT EXTENSION	
SHEET:	WS-06
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



THRUST BLOCKING SIZE
(SF AREA REQUIRED AGAINST NATIVE SOIL)

PIPE SIZE DIA	A (ft²)	C (ft²)	D (ft²)	E (ft²)
4"	4	2	1	1
6"	10	5	3	1
8"	18	10	5	2
10"	28	15	8	4
12"	40	22	11	6
14"	55	30	15	8
16"	71	39	20	10
18"	90	49	25	13
20"	111	60	31	15
22"	135	73	37	19
24"	160	87	44	22
28"	218	118	60	30
30"	251	136	69	35
36"	361	195	100	50
42"	491	266	135	68
48"	641	347	177	89



NOTES:

1. BEARING AREA OF CONCRETE THRUST-BLOCK BASED ON 250 PSI PRESSURE AND SAFE SOIL BEARING LOAD OF 1000 POUNDS PER SQUARE FOOT.
2. ADJUST BEARING AREA FOR OTHER PIPE SIZES, PRESSURES, AND SOIL CONDITIONS. SEE TABLE THIS SHEET FOR TYPE AND SAFE BEARING LOAD.
3. CONCRETE BLOCKING SHALL BE CAST IN PLACE AND HAVE A MINIMUM AREA OF 1/4 SQUARE FOOT BEARING AGAINST THE FITTING.
4. CONTRACTOR SHALL INSTALL BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE AS WELL AS TO CONTINUOUSLY WITHSTAND OPERATION PRESSURE UNDER ALL CONDITIONS OF SERVICE.
5. HEIGHT OF THRUST BLOCK MUST BE EQUAL TO OR LESS THAN 1/2 THE DEPTH FROM THE GROUND SURFACE TO THE BLOCK'S BASE.
7. REFER TO CHAPTER 7 OF THESE STANDARDS.

SOIL TYPE	SAFE BEARING LAOD (PSF)
MUCK, PEAT, ETC	0
SOFT CLAY	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND & GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

*VALUES BASED ON WSDOT STD PLAN B-90.40-01

NOT TO SCALE

City of Tukwila

BLOCKING (HORIZONTAL)	
CONCRETE	
SHEET:	WS-10 (1 OF 3)
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

PIPE SIZE DIA	PIPE AREA SQ FT	PRESSURE (PSI)	HEAD (FT)	A 90° LOAD (LB)	A 90° AREA (SF)	C 45° LOAD (LB)	C 45° AREA (SF)	D 22.5° LOAD (LB)	D 22.5° AREA (SF)	E 11.25° LOAD (LB)	E 11.25° AREA (SF)
4	0.08727	250	577.5	4,454.46	4	2,410.74	2	1,238.96	1	617.62	1
6	0.19635	250	577.5	10,022.54	10	5,424.16	5	2,765.17	3	1,389.65	1
8	0.34907	250	577.5	17,817.85	18	9,642.95	10	4,915.86	5	2,470.49	2
10	0.54542	250	577.5	27,840.39	28	15,067.11	15	7,681.03	8	3,860.15	4
12	0.78540	250	577.5	40,090.16	40	21,696.64	22	11,060.68	11	5,556.61	6
14	1.06922	250	577.5	54,567.17	55	29,531.54	30	15,054.82	15	7,565.89	8
16	1.39627	250	577.5	71,271.40	71	38,571.80	39	19,663.44	20	9,881.97	10
18	1.76715	250	577.5	90,202.87	90	48,817.44	49	24,886.54	25	12,506.87	13
20	2.18187	250	577.5	111,361.57	111	60,268.44	60	30,724.12	31	15,440.58	15
22	2.63982	250	577.5	134,747.49	135	72,924.82	73	37,176.19	37	18,683.10	19
24	3.14160	250	577.5	160,360.65	160	86,786.56	87	44,242.74	44	22,234.44	22
28	4.27607	250	577.5	218,358.07	218	118,126.15	118	60,219.28	60	30,263.54	30
30	4.90875	250	577.5	250,563.52	251	135,604.00	136	69,129.27	69	34,741.31	35
36	7.06903	250	577.5	360,811.47	361	195,269.76	195	99,546.16	100	50,027.48	50
42	9.62115	250	577.5	491,104.51	491	265,763.53	266	135,493.38	135	68,090.97	68
48	12.56643	250	577.5	641,442.62	641	347,146.23	347	176,970.94	177	88,937.75	89

-THRUST BLOCKING SIZE
-ALLOWABLE SOIL PRESSURE 2000_PSF
-DESIGN PRESSURE 250_PSI

*FOR OTHER SOIL (BEARING) PRESSURE CONDITIONS, ADJUST BLOCK SIZING ACCORDINGLY.

NOT TO SCALE

City of Tukwila

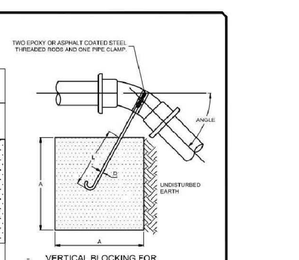
BLOCKING	
CONCRETE	
SHEET:	WS-10 (2 OF 3)
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

VERTICAL BLOCKING
FOR 11 1/4", 22 1/2", 30° BENDS
MINIMUM DIMENSIONS

PIPE SIZE (INCHES)	V.B. (DEGREES)	CU. FT.	A (FEET)	D (INCHES)	L (FEET)
4	11 1/4	.8	2.0	3/4	1.5
	22 1/2	1.1	2.2	3/4	2.0
	30	1.7	2.6	3/4	2.0
6	11 1/4	1.1	2.2	3/4	2.0
	22 1/2	2.5	2.8	3/4	2.0
	30	4.1	3.5	3/4	2.0
8	11 1/4	1.6	2.5	3/4	2.0
	22 1/2	4.7	3.6	3/4	2.0
	30	7.0	4.1	3/4	2.5
10-12	11 1/4	3.2	3.2	3/4	2.0
	22 1/2	8.8	4.5	7/8	3.0
	30	13.2	5.1		
16	11 1/4	7.0	4.1	7/8	3.0
	22 1/2	18.4	5.7	1 1/8	4.0
	30	27.5	6.5	1 1/4	4.0
18-20	11 1/4	9.1	4.5	7/8	3.0
	22 1/2	22.5	6.1	1 1/4	4.0
	30	33.0	6.9	1 3/8	4.5
24	11 1/4	12.8	5.0	1	3.5
	22 1/2	32.0	6.8	1 3/8	4.5
	30	48.0	7.9	1 5/8	5.5

VERTICAL BLOCKING FOR 45° BENDS

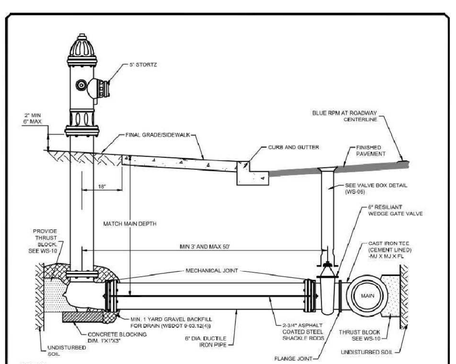
4	45	3.0	3.1	3/4	2.0
6		6.8	4.1	3/4	2.0
8		12.3	5.0	3/4	2.0
12		23.2	6.1	3/4	2.5
16		47.8	7.8	1 1/8	4.0
20		56.0	8.2	1 1/4	4.0
24		82.0	9.4	1 3/8	4.5



NOT TO SCALE

City of Tukwila

BLOCKING (VERTICAL)	
CONCRETE	
SHEET:	WS-10 (3 OF 3)
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	



NOTES:

1. REFER TO CHAPTER 7 OF THESE STANDARDS.
2. HYDRANTS EQUAL TO MUELLER SUPER CENTURION #A-423, CLOW MEDALLION #F-2545, M & H 929, OR EJIW # 5CD250 WATER MASTER.
3. HYDRANTS SHALL BE EQUIPPED WITH TWO 2-1/2" N.S.T. HOSE PORTS AND ONE 5" STORTZ PUMPER DISCHARGE PORT AND SHALL HAVE A 1-1/4" PENTAGON OPEN LIFT OPERATING NUT. HYDRANTS SHALL HAVE A 6" M.J. BOTTOM CONNECTION AND 5-1/4" MAIN VALVE OPENING.
4. HYDRANTS SHALL CONFORM TO A.W.W.A. SPECIFICATIONS C 502-54; SHALL BE COMPRESSION TYPE AND SHALL HAVE A TWO PIECE BREAKING FLANGE WITH BREAKING THIMBLE AT THE GROUND LINE OR STEM; SHALL HAVE A SELF-OILING DRY BONNET WITH FACTORY FILLED RESERVOIR HOLDING APPROXIMATELY 8 OUNCES OF OIL. OIL RESERVOIR SHALL BE SO DESIGNED AS TO GIVE A COMPLETE LUBRICATION OF STEMS EACH TIME THE HYDRANT IS OPERATED. THE UPPER STEM SHALL HAVE A BRASS SLEEVE.
5. SHACKLE RODS SHALL BE ASPHALT COATED STEEL OR CORTEN STEEL.
6. CITY HYDRANTS BONNET AND PORT CAPS SHALL BE FAIRWEST COMPASS BLUE # 4602. BARREL SHALL BE FAIRWEST CASE YELLOW SAFETY X-3472.
7. PRIVATE HYDRANTS SHALL BE PAINTED WITH TWO COATS OF FAIRWEST CASE YELLOW (# X-3472).
8. WHERE NO CURB AND GUTTER IS INSTALLED, FIRE HYDRANT SHALL BE LOCATED CLOSE TO THE PROPERTY LINE AND INSIDE THE RIGHT OF WAY OR EASEMENT. INSTALL BOLLARD GUARD POST PER WS-14.
9. HYDRANTS INSTALLED, RELOCATED OR OTHERWISE WORKED UPON AS A RESULT OF A PROJECT SHALL BE FRESHLY PAINTED.
10. HYDRANT SHALL NOT BE CLOSER THAN 4' TO ANY FIXED OBJECT, WITH THE EXCEPTION OF HYDRANT GUARD POSTS, PER TMC 14.24.03.

NOT TO SCALE

City of Tukwila

FIRE HYDRANT	
ASSEMBLY AND SETTING	
SHEET:	WS-13
LAST REVISION: APRIL 2019	
APPROVAL: H. PONNEKANTI	

No.	Date	By	Ckd.	Revision
4	5/31/22	BDW	JEP	DKB REVISED WATER DESIGN

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — 25672 — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON
5/31/2022

Designed JEP | Drawn JEP | Checked JEP | Approved DKB | Date 5/31/22
Scale: Horizontal 1" = 1' | Vertical 1" = 1'
BSUTEY Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182
Sheet C15 of 22

File:\\p\0600\018182\engineering\Plans\ws\18182-ws-cons.dwg 5/30/2022 1:03:45 PM BWZ0102 BSUTEY Scales:1" = 1'

NOTE:

1. WATER LINES AND STRUCTURES ARE SHOWN FOR REFERENCE ONLY.

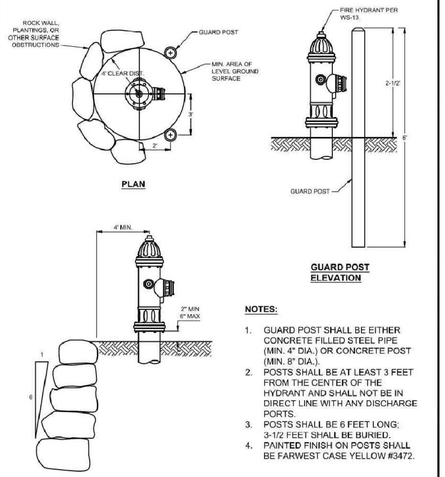
CONSTRUCTION NOTES AND DETAILS

FOR

PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



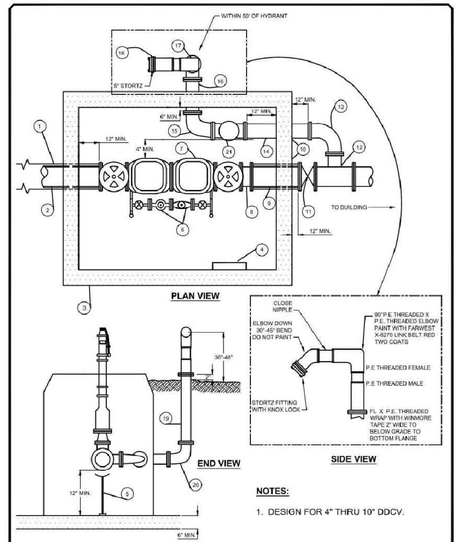
NOTES:

1. GUARD POST SHALL BE EITHER CONCRETE FILLED STEEL PIPE (MIN. 4" DIA.) OR CONCRETE POST (MIN. 8" DIA.).
2. POSTS SHALL BE AT LEAST 3 FEET FROM THE CENTER OF THE HYDRANT AND SHALL NOT BE IN DIRECT LINE WITH ANY DISCHARGE PORTS.
3. POSTS SHALL BE 6 FEET LONG; 3-1/2 FEET SHALL BE BURIED.
4. PAINTED FINISH ON POSTS SHALL BE FARWEST CASE YELLOW #3472.

NOT TO SCALE

City of Tukwila

FIRE HYDRANT
GUARD POST
SHEET: WS-14
LAST REVISION: APRIL 2016
APPROVAL: H. PONNEKANTI



NOTES:

1. DESIGN FOR 4" THRU 10" DDCV.

NOT TO SCALE

City of Tukwila

CROSS CONNECTION CONTROL
DETECTOR DOUBLE CHECK VALVE & VAULT
SHEET: WS-15 1 OF 2
LAST REVISION: APRIL 2019
APPROVAL: H. PONNEKANTI

MATERIAL LISTING:

1. 3/4" SHACKLE RODS WITH STAR BOLTS AND ASPHALT EMULSION COATING.
2. 4" MIN. D.I. CLASS 52 PIPE.
3. PRECAST CONCRETE VAULT WITH HINGED STEEL PLATE COVER, DIMENSION TO VARY WITH SIZE OF ASSEMBLY.
4. O.S.H.A. APPROVED LADDER IF OVER 30" DEEP.
5. PIPE SUPPORT STAND IN LOCATED INSIDE OF VAULT UNDER EACH CHECK VALVE.
6. COPPER OR BRONZE BYPASS WITH AN APPROVED DCVA AND 3/4" WATER METER.
7. APPROVED DCVA IN MAIN LINE WITH TWO RESILIENT SEATED SHUTOFF VALVES AND TEST COCKS.
8. 10", 8", 6" OR 4" COUPLING ADAPTER, FL.
9. 10", 8", 6" OR 4" FL*PE D.I. CLASS 52 PIPE LENGTH TO FIT.
10. GROUT INTERIOR AND EXTERIOR ALL AROUND PIPE USING NON-SHRINK GROUT.
11. 10", 8", 6" OR 4" GATE VALVE FL*MJ WITH POST INDICATOR VALVE.
12. FLANGE TEE ASSEMBLY SIZED ACCORDINGLY.
13. FLANGED 90 DEG BEND.
14. 4" OR 6" D.I. CLASS 52 PIPE FL*FL.
15. 4" OR 6" 90 DEG BEND FL.
16. 4" OR 6" D.I. CLASS 52 PIPE, FL*FL
17. 4" OR 6" 90 DEG BEND, FL.
18. UL LISTED 5" STORTZ CONNECTION WITH KNOX LOCK WITH 30 DEG OR 45 DEG ELBOW.
19. 6" D.I. CLASS 52 PIPE LENGTH AS REQUIRED FLANGE * THREADED P.E.
20. 6" 90 DEG BEND FL.
21. SWING TYPE GRAVITY OPERATED CHECK VALVE WITH BALL DRIP VALVE TO BE INSTALLED HORIZONTALLY.

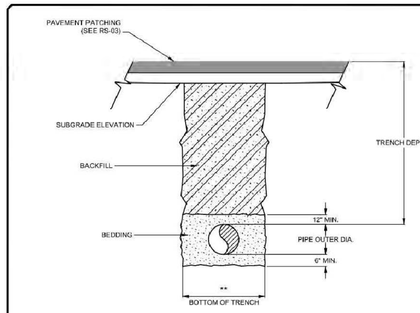
DETECTOR DOUBLE CHECK AND VAULT ASSEMBLY GENERAL NOTES:

1. BACKFLOW PREVENTORS SHALL BE ON WSDOH APPROVED LIST.
2. SIZE VAULT BASED ON SIZE OF APPARATUS AND MEETING MINIMUM CLEARANCES.
3. A SEPARATE DETAIL PLAN FOR VAULT INSTALLATION AND SPRINKLER LINE MUST BE SUBMITTED AND APPROVED BY THE FIRE MARSHALL PRIOR TO INSTALLATION.
4. MINIMUM APPARATUS SIZE SHALL BE 4".
5. VAULT SHALL BE SEALED TO PREVENT WATER LEAKAGE.
6. LADDERS SHALL BE REQUIRED WHEN DEPTH FROM TOP OF LID TO FLOOR OF VAULT EXCEEDS 30". INSTALLATION OF ALL LADDERS SHALL BE IN COMPLIANCE TO O.S.H.A.
7. LOCATE VAULT IN PLANTING AREA AND NOT IN PAVING AREA, UNLESS APPROVED BY THE ENGINEER.
8. FITTINGS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF ANSI/AWWA C110/A21.10 AND CEMENT LINED (SEE APWA & AWWA).
9. PIPE SHALL BE DUCTILE IRON MEETING ANSI A21.51, CL52 & CEMENT LINED.
10. TEMPORARY SUPPORT SHALL BE PROVIDED UNDER VALVES AT THE TIME OF INSTALLATION. AFTER COMPLETE INSTALLATION INSTALL PERMANENT PIPE SUPPORT STAND.
11. PROVIDE BALL DRIP VALVES ON F.D.C. CHECK VALVE ASSEMBLY OR AT BOTTOM OF F.D.C. RISER.
12. FIRE DEPARTMENT CONNECTION TO BE PROVIDED WITH ONE (1) 5" STORTZ CONNECTIONS WITH KNOX LOCK AND TWO 30 DEG OR 45 DEG ELBOWS.
13. ALL UNDERGROUND PIPING TO BE INSPECTED, FLUSHED, AND PRESSURE TESTED IN THE PRESENCE OF AN INSPECTOR PRIOR TO COVER AND CONNECTION TO THE OVERHEAD SYSTEM.
14. UPON INSTALLATION, BACKFLOW PREVENTION ASSEMBLIES ARE TO BE TESTED BY A CERTIFIED TESTER AND ALL TEST-COCKS ARE TO BE PLUGGED AFTER THE TEST. THEREAFTER, ANNUAL TESTS SHALL BE PERFORMED AT OWNER'S EXPENSE, AND COPIES OF TEST RESULTS SHALL BE PROVIDED.
15. CONCRETE VAULT SHALL HAVE ONE 4' X 4' OR TWO 3' X 3' STEEL HINGED DOORS.
16. BACKFLOW PREVENTION VALVES AND POST OR WALL INDICATING VALVES SHALL BE PROVIDED WITH UL CENTRAL STATION TAMPER SUPERVISION.

NOT TO SCALE

City of Tukwila

CROSS CONNECTION CONTROL
DETECTOR DOUBLE CHECK VALVE AND VAULT
SHEET: WS-15 2 OF 2
LAST REVISION: APRIL 2019
APPROVAL: H. PONNEKANTI



* **TRENCH DEPTHS**
DRAINAGE SYSTEM:
DIP: 18" MIN
PLASTIC PIPE: 24" MIN
WATER SYSTEM: 3' MIN, 6' MAX
SEWER SYSTEM: 18" MIN BELOW BOTTOM OF WATERMAIN

** **TRENCH WIDTHS**
DRAIN AND UNDERDRAIN: INSIDE DIAM + 12"
PIPES 15" AND SMALLER: INSIDE DIAM + 30"
PIPES 18" AND LARGER: (INSIDE DIAM * 1.5) + 18"

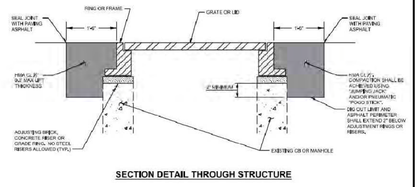
NOTE:

1. FOR PUBLICLY OWNED UTILITIES BACKFILL COMPACTION SHALL ACHIEVE 95% MAXIMUM DENSITY IN ROADWAYS AND 85% MAXIMUM DENSITY IN NON-TRAFFIC AREAS.
2. ALL BEDDING SHALL BE 5/8" MINUS CRUSHED ROCK (CSTC PER WSDOT 9-03.9(3)) COMPACTED TO 90% MAXIMUM DENSITY.
3. REFER TO RD-03 FOR PAVEMENT PATCHING.
4. PAVED AREAS: BACKFILL WITH 5/8" MINUS CRUSHED ROCK (CSTC PER WSDOT 9-03.9(3)).
5. UNPAVED AREAS: BACKFILL WITH NATIVE MATERIAL APPROVED BY THE ENGINEER OR CRUSHED ROCK PER WSDOT 9-03.9.
6. SEPARATION LESS THAN 18 INCHES SHALL BE APPROVED BY THE ENGINEER. 6 INCHES OF ETHAFOAM PAD SHALL BE INSTALLED BETWEEN UTILITIES.

NOT TO SCALE

City of Tukwila

UTILITY TRENCH
BEDDING AND BACKFILL
SHEET: G-1
LAST REVISION: APRIL 2019
APPROVAL: H. PONNEKANTI



SECTION DETAIL THROUGH STRUCTURE

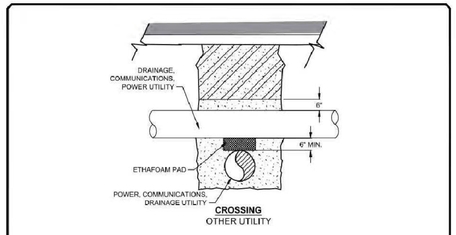
NOTE:

1. COMPACTION METHODS SHALL BE USED UNTIL MATERIAL REACHES A FIRM AND UNYIELDING CONDITION
2. UNPAVED AREAS: BACKFILL WITH NATIVE MATERIAL APPROVED BY THE ENGINEER OR CRUSHED ROCK PER WSDOT 9-03.9.

NOT TO SCALE

City of Tukwila

UTILITY ADJUSTMENT
SHEET: G-2
LAST REVISION: APRIL 2019
APPROVAL: H. PONNEKANTI



NOTE:

1. REFER TO G-1 FOR BACKFILL AND BEDDING STANDARDS.
2. A MINIMUM OF 5' SHALL BE APPROVED BY THE ENGINEER. REFER TO CHAPTERS 7 AND 8 OF THE CITY OF TUKWILA INFRASTRUCTURE DESIGN AND CONSTRUCTION STANDARDS.
3. VERTICAL SEPARATION LESS THAN 12 INCHES SHALL BE APPROVED BY THE ENGINEER.
4. WHERE 12" VERTICAL SEPARATION IS NOT ACHIEVABLE, 6" OF ETHAFOAM PAD SHALL BE INSTALLED BETWEEN UTILITIES.

NOT TO SCALE

City of Tukwila

UTILITY TRENCH
SEPARATION AND CROSSING
SHEET: G-5
LAST REVISION: APRIL 2019
APPROVAL: H. PONNEKANTI

No.	Date	By	Ckd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: CONSTRUCTION NOTES AND DETAILS

FOR

PROLOGIS EMERALD GATEWAY - PHASE 2

For: PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER

5/31/2022

Scale: Horizontal – Vertical –

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Scale:1" = 1" BSUTEY Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
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Job Number 18182

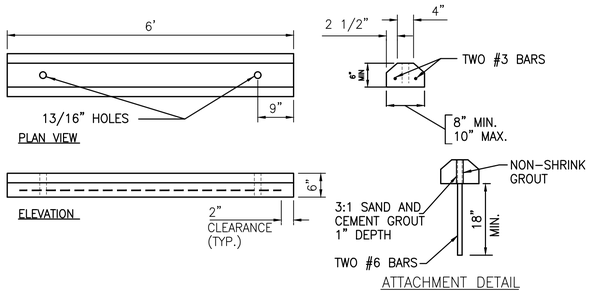
Sheet C16 of 22

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

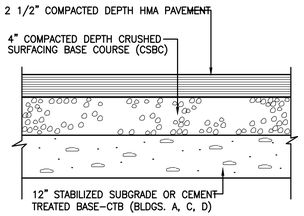
A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



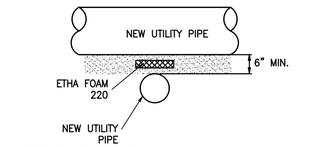
CONCRETE CURB STOP

NOT TO SCALE



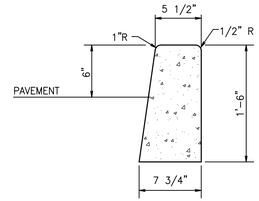
ON-SITE LIGHT DUTY PAVEMENT SECTION

NOT TO SCALE



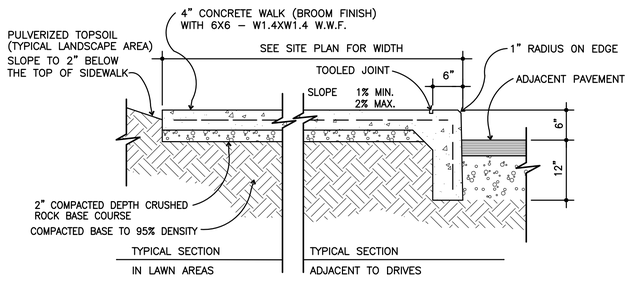
(ON-SITE ONLY) MINIMUM CLEARANCE DETAIL

NOT TO SCALE



6" VERTICAL CURB

NOT TO SCALE



NOTES

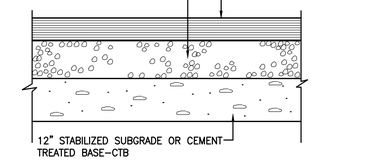
A. SIDEWALKS WIDTH VARIES (WIDTH PER PLAN)
CONTROL JOINTS TO BE PLACED AT SPACING EQUAL TO SIDEWALK WIDTH.

B. PROVIDE EXPANSION JOINTS AT 28' TO 30' O.C. MAXIMUM.

C. WHEN WALK IS ADJACENT TO THE BUILDING PROVIDE 3/8" X 4" IMPREGNATED FIBERBOARD.

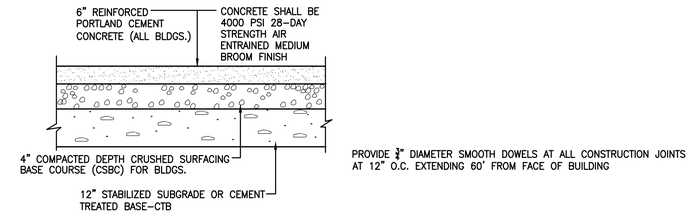
ON-SITE CONCRETE SIDEWALK W/6" RAISED CURB

NOT TO SCALE



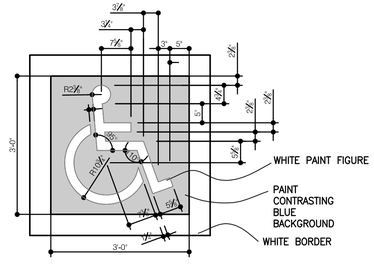
ON-SITE HEAVY DUTY PAVEMENT SECTION

NOT TO SCALE



PORTLAND CEMENT CONCRETE PAVEMENT

NOT TO SCALE



WHITE PAINT FIGURE

PAINT CONTRASTING BLUE BACKGROUND

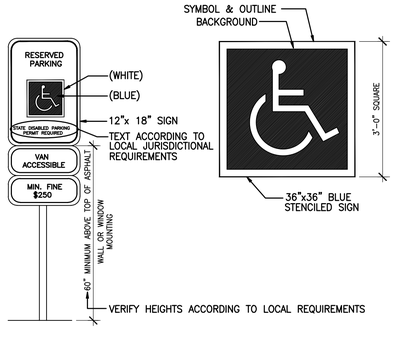
WHITE BORDER

PAVEMENT INTERNATIONAL SYMBOL OF ACCESSIBILITY NOTES:

A. SYMBOL TO BE CENTERED ON WIDTH OF PARKING STALL.
B. BOTTOM OF SYMBOL TO BE LOCATED FLUSH WITH ACCESS DRIVE, CENTERED ON PARKING SPACE.
C. SYMBOL IS REQUIRED TO CONTRAST WITH BACKGROUND.

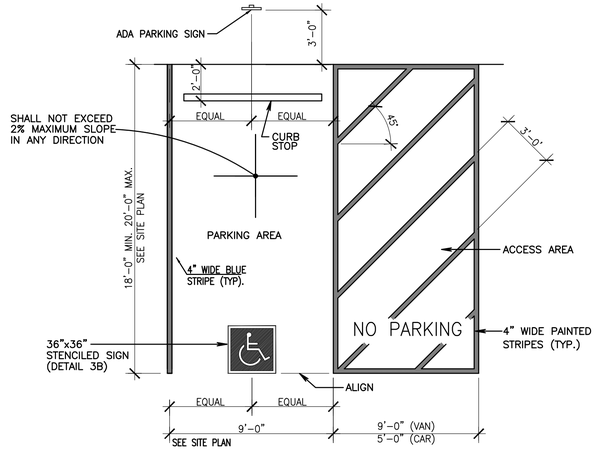
INTERNATIONAL SYMBOL OF ACCESSIBILITY

NOT TO SCALE



MARKING DETAIL (ACCESSIBLE PARKING)

NOT TO SCALE



ADA PARKING REQUIREMENTS

NOT TO SCALE

No.	Date	By	Ckd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED
PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal - Vertical -

Designed JEP
Drawn JEP
Checked JEP
Approved DKB
Date 5/31/22

Scale:1" = 1" BSUITEY Xref: ----

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Job Number 18182

Sheet C17 of 22

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CONSTRUCTION NOTES AND DETAILS
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

RECORD DRAWING

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

400 STREET PAVING & APPURTENANCES — STANDARD PLAN NO **422k**

REV DATED JAN 2017

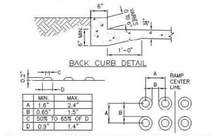
CURB RAMP GENERAL NOTES:

1. TWO CURB RAMPS SHALL BE INSTALLED AT EACH CORNER UNLESS OTHERWISE DIRECTED BY ENGINEER. SHARED DIAGONAL PERPENDICULAR RAMPS SHALL NOT BE INSTALLED UNLESS ALL OTHER DESIGN OPTIONS ARE UNABLE TO BE CONSTRUCTED DUE TO EXISTING SITE CONSTRAINTS.
2. CURB RAMPS SHALL BE AS CLOSELY ALIGNED WITH THE SIDEWALK AND THE PEDESTRIAN STREET CROSSING SERVED AS POSSIBLE.
3. CURB RAMP SHALL BE CONSTRUCTED WITH CUMPANION RAMP ON OPPOSITE SIDE OF THE ROADWAY WHERE NO RAMP IS PROVIDED UNLESS OTHERWISE DIRECTED BY ENGINEER.
4. RAMPS SHALL TYPICALLY HAVE A MAXIMUM RUNNING SLOPE OF 8.3% AND A MINIMUM WIDTH OF 4'-0" UNLESS OTHERWISE DIRECTED BY ENGINEER. THE CROSS SLOPE OF RAMPS SHALL BE MAXIMUM OF 2%. CURB RAMPS ARE NOT REQUIRED TO EXCEED A LENGTH OF 15 FEET UNLESS OTHERWISE DIRECTED BY ENGINEER.*
5. GRADE BREAKS AT THE TOP AND THE BOTTOM OF CURB RAMP RUNS MUST BE PERPENDICULAR TO THE PATH OF TRAVEL. CURB RAMP RUNS ARE DEFINED BY RUNNING SLOPES THAT EXCEED 5% BUT ARE NO MORE THAN 8.3%. SURFACES ABUTTING AT CURB RAMP GRADE BREAKS SHALL BE FLUSH.
6. AREAS ADJACENT TO CURB RAMPS OR CURB RAMP LANDINGS USABLE BY PEDESTRIANS SHALL COMPLY WITH STANDARD PLAN SIDEWALK SLOPE LIMITS OR A CURB RAMP WING MUST BE PROVIDED AS SHOWN IN THE APPLICABLE CURB RAMP DETAILS. THE INSTALLATION OF CURBED EDGES ARE NOT REQUIRED BUT MAY BE USED AT THE SIDES OR BACKS OF CURB RAMPS OR CURB RAMP LANDING WHERE THE ADJACENT SURFACE IS LANDSCAPED OR OTHERWISE NOT USABLE BY PEDESTRIANS.
7. THE COUNTER SLOPE OF THE GUTTER OR THE STREET AT THE BOTTOM OF CURB RAMP RUNS SHALL BE 5% MAXIMUM. IF TURNING OR CHANGE OF ORIENTATION IS REQUIRED WITHIN THE PEDESTRIAN CROSSING AT THE BOTTOM OF CURB RAMP RUNS, THE SLOPE SHALL BE 2% MAXIMUM IN ANY DIRECTION FOR A MINIMUM 4'-0" WIDTH x 4'-0" DEPTH MEASURED FROM THE RAMP BOTTOM GRADE BREAK.
8. CURB RAMPS WITH RAMP RUNS THAT TERMINATE AT THE ENTRANCE TO THE PEDESTRIAN STREET CROSSING SHALL HAVE A CLEAR SPACE AT THE BOTTOM OF RAMP 4'-0" MINIMUM IN WIDTH AND SHALL EXTEND A MINIMUM 4'-0" BEYOND THE RAMP LOWER GRADE BREAK. THE CLEAR SPACE SHALL FALL WHOLLY WITHIN THE LEGAL CROSSWALK, MARKED OR UNMARKED.
9. DETECTABLE WARNING SHALL BE PROVIDED AT CURB RAMPS AND AT LOCATIONS WHERE THE SIDEWALK AND ROADWAY ARE FLUSH. THE DETECTABLE WARNING SURFACE SHALL HAVE A TRUNCATED DOME PATTERN AS SHOWN, WITH A MINIMUM DEPTH OF 2'-0", AND SHALL BE PLACED AT THE BACK OF CURB BUT NO MORE THAN 8" FROM THE FACE OF CURB FOR MONOLITHIC CURBS OR ATYPICAL CURB WIDTHS. DETECTABLE WARNING SHALL MATCH THE WIDTH OF THE RAMP RUN OR THE OPENING WHERE THE SIDEWALK AND ROADWAY ARE FLUSH. THE TRUNCATED DOMES ON THE DETECTABLE WARNING SURFACE SHOULD ALIGN WITH THE CURB RAMP RUN OR THE DIRECTION OF TRAVEL. DOMES MAY BE ON A RADIAL GRID PATTERN WHERE THE DETECTABLE WARNING SURFACE IS PLACED AT CURB RADII.
10. DETECTABLE WARNING COLOR SHALL BE "FEDERAL SAFETY YELLOW", UNLESS OTHERWISE DIRECTED BY ENGINEER.
11. DETECTABLE WARNING SURFACES SHOULD GENERALLY NOT BE CUT OR ALTERED TO FIT UNLESS THERE IS NO ALTERNATIVE AVAILABLE. IF REQUIRED, CUT OR ALTER THE DETECTABLE WARNING SURFACE PER THE MANUFACTURER'S DIRECTIONS. DETECTABLE WARNING SURFACES PLACED AT CURB RADII SHALL MATCH THE CURB RADII WITHOUT GAPS OR INCONSISTENCY IN PLACEMENT.
12. AVOID LOCATING HANDHOLES, UTILITY CASTINGS, OR ANY OTHER OBSTRUCTIONS IN THE CURB RAMP RUN(S) OR LANDING(S). IF NECESSARY DUE TO EXISTING CONSTRAINTS, HANDHOLES, UTILITY CASTINGS, OR OTHER OBSTRUCTIONS MAY BE LOCATED WITHIN A RAMP RUN, LANDING, OR TURNING SPACE BUT MUST ADHERE TO SURFACE REQUIREMENTS. LEVEL CHANGES BETWEEN SURFACES MUST NOT EXCEED ¼" OR ½" WITH A ½2 BEVEL. GAPS BELOW ½" SURFACES ON GRATINGS MAY NOT EXCEED ½". SURFACES MUST BE FIRM, STABLE, AND SLIP RESISTANT.
13. HANDHOLES, UTILITY CASTINGS, OR OTHER OBSTRUCTIONS SHALL NOT REDUCE THE REQUIRED DEPTH OF DETECTABLE WARNING.
14. POLES, HYDRANTS AND OTHER ABOVE GROUND OBSTRUCTIONS SHALL HAVE A MINIMUM CLEAR ENTRANCE OF 1'-0" FROM THE LOWER LANDING AND RAMP SURFACE.
15. ALL CHANGES IN LEVEL ACROSS JOINTS SHALL BE FLUSH. ANY DIFFERENCE IN ELEVATION OF 3/16 INCH OR GREATER SHALL BE REPAIRED OR REPLACED.
16. CURB RAMPS SHALL BE DESIGNED AND CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON RAMP SURFACES. GUTTER FLOW LINE SHALL BE CONTINUOUS BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ENSURE PONDING OF WATER SHALL NOT OCCUR AT THE BOTTOM OF CURB RAMPS OR AT CURB RAMP LOWER LANDINGS.
17. ALL SLOPE GRADES SHALL BE MEASURED OFF THE HORIZON-LINE. IF EXISTING SITE CONDITIONS CONFLICT WITH OBTAINING GRADES SHOWN, THE DESIGNER / CONTRACTOR SHALL MAKE MINIMUM ADJUSTMENTS TO THE GRADES SHOWN TO MEET EXISTING SITE CONDITIONS; ADJUSTMENTS ARE SUBJECT TO ENGINEER APPROVAL.

* IT IS GENERALLY PREFERRED THAT CURB RAMPS, CURB RAMP LANDINGS, AND ASSOCIATED FEATURES NOT BE DESIGNED TO THE MINIMUM OR MAXIMUM ALLOWABLE DIMENSION AND/OR SLOPE TO ALLOW FOR A LIMITED AMOUNT OF ERROR DURING CONSTRUCTION.



SIDE CURB DETAIL



BACK CURB DETAIL

DEPRESSED CURB AND GUTTER DETAIL

DETECTABLE WARNING TRUNCATED DOMES PATTERN

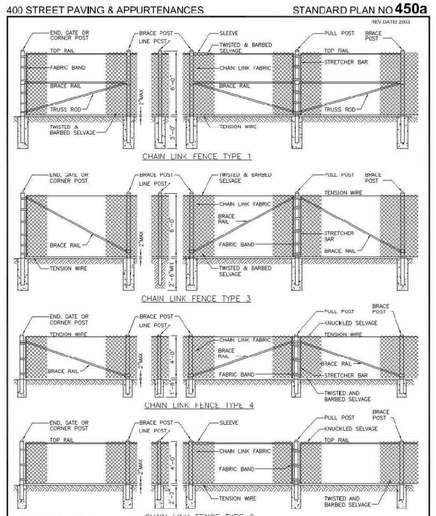
REF STD SPEC SEC 8-14

City of Seattle | NOT TO SCALE | CURB RAMP DETAILS

2017 Edition City of Seattle Standard Plans for Municipal Construction

400 STREET PAVING & APPURTENANCES — STANDARD PLAN NO **450a**

REV DATED 2003



CHAIN LINK FENCE TYPE 1

CHAIN LINK FENCE TYPE 3

CHAIN LINK FENCE TYPE 4

CHAIN LINK FENCE TYPE 6

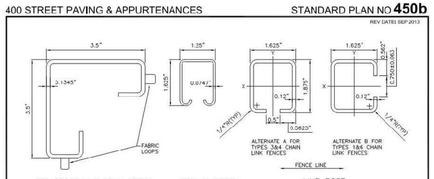
REF STD SPEC SEC 8-12

City of Seattle | NOT TO SCALE | CHAIN LINK FENCE

2017 Edition City of Seattle Standard Plans for Municipal Construction

400 STREET PAVING & APPURTENANCES — STANDARD PLAN NO **450b**

REV DATED SEP 2013


3.5"
1.25"
1.625"
1.625"
3.5"
1.375"
1.625"
1.625"
0.19"
0.19"
1.375"
1.625"
1.625"
3.5"
1.375"
0.19"
0.19"
1.375"
3.5"
1.625"
1.625"
1.625

DRAINAGE AND WASTEWATER CONTROL PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

DRAINAGE & WASTEWATER CONTROL PLAN REQUIREMENTS

THIS PLAN SHALL SHOW A SITE PLAN INCLUDING ALL DRAINAGE FEATURES (HARD SURFACES, BMPS, DRAIN LINES, CATCH BASINS, INLETS, PUMPS, ETC.) AND ALL SIDE SEWER FEATURES (SERVICE DRAIN SIDE SEWERS AND SANITARY SIDE SEWERS AND THEIR APPROVED POINTS OF CONNECTION).

SEE THE INSTRUCTIONS FOR THE DRAINAGE AND WASTEWATER CONTROL PLAN ON THE SDCI STORMWATER CODE WEBPAGE AND VOLUME 1, CHAPTER 8 OF THE 2016 SEATTLE STORMWATER MANUAL FOR SITE PLAN AND DRAINAGE ELEMENTS REQUIRED ON THIS PLAN.
http://www.seattle.gov/dpd/codesrules/codes/stormwater/default.htm

THE DETAILS SHOWN IN THIS ARE A SELECTION OF COMMONLY USED ON-SITE STORMWATER MANAGEMENT BMPs. SEE THE CITY OF SEATTLE STORMWATER MANUAL, VOLUME 3, CHAPTER 5 (DIRECTOR'S RULE DPD 21-2016/SPU DWW-200) FOR ADDITIONAL ON-SITE STORMWATER MANAGEMENT BMPs AND AND ADDITIONAL REQUIREMENTS FOR ALL BMPs.

SITE AND DRAINAGE CONTROL SUMMARY SHEET

COMPLETE THE ELECTRONIC ON-SITE STORMWATER MANAGEMENT CALCULATOR AND INSERT THE SITE AND DRAINAGE CONTROL SUMMARY SHEET BELOW. THE ELECTRONIC DOCUMENT IS AVAILABLE ON THE DPD STORMWATER CODE WEBSITE.
http://www.seattle.gov/dpd/codesrules/codes/stormwater/default.htm

On-site Stormwater Management - List Approach Calculator
Site and Drainage Control Summary

Version 07-28-2017

To use the On-Site List Calculator you must select "Enable Content" when the Security Warning appears.

Project Information

Site Address	3301 S Northfolk Street	SDCI Project Number	6778443-CN
Primary Contact	James Pullicino	SDOT Project Number	N/A
Project Type	Parcel-Based	Primary Contact E-mail or Phone	425-251-6222

Total Site Area	36,570	sf
Total New plus Replaced Hard Surface Area	36,570	sf
Existing Hard Surface Area to Remain	0	sf
Total New and/or Replaced Lawn and Landscaping	0	sf
Undisturbed and protected site area	0	sf
Was the project lot created or reduced in size after Jan 1, 2016?	Yes	

Project Engineer: James Pullicino — Engineer E-mail: jpullicino@barghausen.com

On-site Stormwater Management is required for ≥ 750 sf of new plus replaced area.

On-site Performance Standard will be used (professional engineer required)? No

Site Information

Note: If required for your project, reference the Preliminary Assessment Report (PAR) to complete this section. If the total areas proposed are different form those provided in the PAR, requirements may change.

Approved Point of Stormwater Discharge	Public Storm Drain Main
Drainage Basin	Designated Receiving Water
Is the downstream drainage system considered Capacity Constrained by SPU?	No
Approved Point of Wastewater Discharge	Public Sanitary Sewer Main
Approved Point of Sub-Surface Discharge	Direct to Receiving Water
Flow Control is required	No
Flow Control Standard	
Water Treatment for pollution-generating surfaces is required	Yes

Select required treatment: ☐ Oil Control ☐ Phosphorus ☑ Enhanced ☐ Basic

Total Pollution Generating Hard Surface Area	36,570 sf
Total Pollution Generating Pervious Surface Area	0 sf
Source Control is required	Yes
Environmentally Critical Areas	Yes

☐ Steep Slope ☐ Potential Slide ☐ Riparian Corridor ☐ Wetland ☑ Liquefaction ☐ Flood Prone
☐ Landfill ☐ Known Landslide ☐ Fish / Wildlife ☐ Peat / Groundwater Management ☐ Shoreline Habitat

Temporary dewatering required	No
Permanent dewatering required	
Is there known soil and/or groundwater contamination on this site?	No
A licensed professional recommends dispersion not be used anywhere within the project site due to reasonable concerns of erosion, slope failure, or flooding.	No

Infiltration Information

Is infiltration investigation required?	Yes	Type of test:	Simple infiltration test
Is infiltration on the site feasible?	No	Why?	Site constraints make infiltration infeasible

Site Measured Infiltration Rate ____ x Infiltration Rate Correction Factor 0.5 = 0 Site Design Inf Rate

On-site Stormwater Management

Number of roof areas	1

SPECIAL NOTES:

1. CITY OF TUKWILA LOW IMPACT DEVELOPMENT (LID) REQUIREMENTS APPLY FOR THIS PERMIT SET RATHER THAN THE CITY OF SEATTLE'S ON-SITE STORMWATER MANAGEMENT (OSM).

ON-SITE STORMWATER MANAGEMENT PLANTINGS

PLANTING GENERAL NOTES
1. PLANTS SHALL BE SITED ACCORDING TO SUN, SOIL, WIND AND MOISTURE REQUIREMENTS.
2. AT A MINIMUM, PROVISIONS MUST BE MADE FOR SUPPLEMENTAL IRRIGATION DURING THE FIRST TWO GROWING SEASONS.

BIORETENTION CELLS, PLANTERS AND RAIN GARDEN NOTES
1. FOR A LIST OF APPROVED PLANTS FOR BIORETENTION/RAIN GARDEN FACILITIES, SEE APPENDIX E, SECTION E-9 OF THE 2016 SEATTLE STORMWATER MANUAL.
2. VEGETATION COVERAGE OF SELECTED PLANS MUST ACHIEVE 90-PERCENT COVERAGE WITHIN 2 YEARS OR ADDITIONAL PLANTINGS SHALL BE PROVIDED. UNLESS DESIGNED BY A LICENSED LANDSCAPE ARCHITECT, PROVIDE A MINIMUM OF 1 PLANT PER EVERY 2 SQUARE FEET OF BIORETENTION BOTTOM AND SLOPED SIDE AREA.
3. PROVIDE A MINIMUM OF THREE DIFFERENT SPECIES OF SHRUBS AND HERBACEOUS PLANTS IN EACH FACILITY.

VEGETATED ROOF NOTES
1. APPROPRIATE PLANTS INCLUDE SUCCULENTS, GRASSES, HERBS, AND WILDFLOWERS THAT ARE ADAPTED TO HARSH CONDITIONS. PLANTS MAY BE INSTALLED AS PRE-GROWN MATS, INDIVIDUAL PLUGS, CUTTINGS, OR SPREAD AS SEEDS.
2. VEGETATION COVERAGE OF SELECTED PLANS MUST ACHIEVE 80-PERCENT COVERAGE WITHIN 2 YEARS OR ADDITIONAL PLANTINGS SHALL BE PROVIDED.
3. A LANDSCAPE MANAGEMENT PLAN SHALL BE DEVELOPED AND IMPLEMENTED.

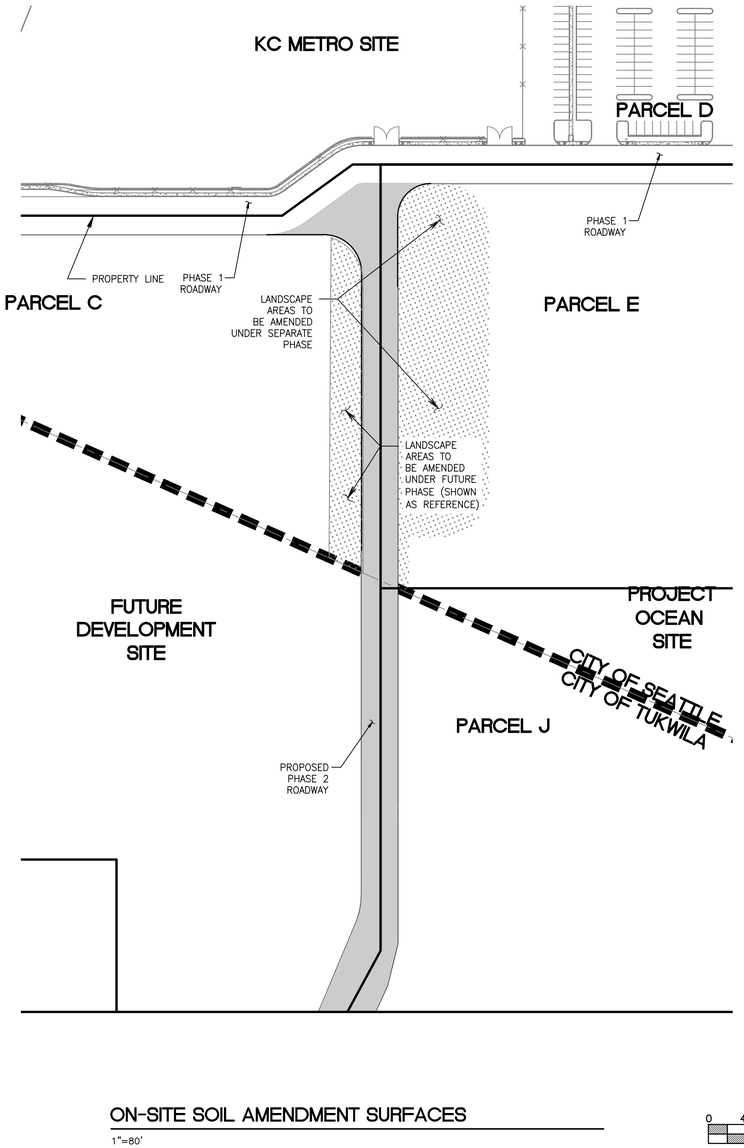
SIDE SEWER AND DRAINAGE PERMIT NOTES

1. SIDE SEWERS AND DRAINAGE FACILITIES SHALL BE CONSTRUCTED PER THE "REQUIREMENTS FOR DESIGN OF SIDE SEWERS (DRAINAGE & WASTEWATER)" DIRECTORS' RULE DPD 4-2011/2011-004 AND PER THE "2016 SEATTLE STORMWATER MANUAL" DIRECTORS' RULE DPD 21-2015/SPU DWW-200.
2. A SEPARATE DRAINAGE AND SIDE SEWER PERMIT IS REQUIRED FOR ALL ONSITE DRAINAGE ELEMENTS AND SIDE SEWERS/SERVICE DRAINS. APPROVAL OF THIS PLAN IS REQUIRED PRIOR TO OBTAINING A DRAINAGE AND SIDE SEWER PERMIT.
3. RE-USE OF EXISTING SIDE SEWERS WHEN THERE WILL BE AN INCREASE IN LIVING UNITS REQUIRES THE EVALUATION AND CERTIFICATION (PE EVAL/CERT) OF THE EXISTING SIDE SEWER BY A PROFESSIONAL ENGINEER PRIOR TO FINALIZING THE SIDE SEWER AND DRAINAGE PERMIT. IN MOST CASES, THE SIDE SEWER MUST BE LINED ALL THE WAY TO THE MAIN. SEE DIRECTORS RULE 4-2011V.M AND SMC 21.16.240.
4. IN ORDER TO ADD UNITS TO AN EXISTING SIDE SEWER, A CERTIFIED LETTER STATING THE INTENT TO ADD UNITS TO THE SHARED SIDE SEWER MUST BE SENT TO ALL PROPERTY OWNERS OF PARCELS SERVED BY THE SHARED SIDE SEWER AT LEAST 30 DAYS PRIOR TO APPLYING FOR THE SIDE SEWER PERMIT. SMC 21.16.240.C. A RECEIPT OF CERTIFIED MAILING AND THE CERTIFICATION/ATTESTATION OF MAILING NOTIFICATION MUST BE SUBMITTED TO SDCI PRIOR TO PERMIT ISSUANCE.
5. DEVIATIONS FROM THE APPROVED DRAINAGE AND WASTEWATER CONTROL PLAN MAY REQUIRE A FORMAL POST-SUBMITTAL REVISION FOR PLAN REVIEW AND APPROVAL. POST-SUBMITTAL REVISIONS MUST BE SUBMITTED ELECTRONICALLY THROUGH THE SDCI PROJECT PORTAL.

SOURCE CONTROL BMPS

BMP 1 ELIMINATE ILLICIT CONNECTIONS
BMP 2 PERFORM ROUTINE MAINTENANCE
BMP 3 DISPOSE OF FLUIDS AND WASTES PROPERLY
BMP 4 PROPER STORAGE OF SOLID WASTES
BMP 5 SPILL PREVENTION AND CLEANUP
BMP 6 PROVIDE OVERSIGHT AND TRAINING FOR STAFF
BMP 7 SITE MAINTENANCE

SEE DRAINAGE REPORT FOR FURTHER DETAIL

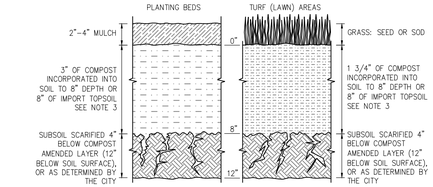


ON-SITE SOIL AMENDMENT SURFACES
1"=80'

0 40 80 160

RECORD DRAWING

SOIL AMENDMENT



NOTES:
1. POST CONSTRUCTION SOIL AMENDMENT IS REQUIRED ON ALL AREAS NOT COVERED BY IMPERVIOUS SURFACE WHERE SOIL IS DISTURBED DURING CONSTRUCTION.
2. SOIL AMENDMENT MUST PASS A 12 INCH MINIMUM PROBE TEST.
3. IMPORT TOPSOIL, IF USED, MUST MEET THE REQUIREMENTS OF THE 2016 SEATTLE STORMWATER MANUAL, VOL. 1, SECTIONS 5.1.5.1 AND 5.1.5.3.

SYMBOL: (SA) AREA REQUIRING SOIL AMENDMENT (ND) NON-DISTURBED AREA (SOIL AMENDMENT NOT REQUIRED)

No.	Date	By	Chkd.	Appr.	Revision
4	5/31/22	BDW	JEP	DKB	REVISED WATER DESIGN

Title: DRAINAGE AND WASTEWATER CONTROL PLAN

FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALAZS — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
5/31/2022

Scale: Horizontal 1" = 80' Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Scale:1" = 1' BSUITEY Xref: ~~~~

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C19 of 22

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UTILITY REFERENCE PLAN

FOR

PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

BUILDING & SITE STATISTICS

NEW OFFICE AREA WITHIN BOMA'S LANDSCAPE

- BUILDING CODE: SBC (R-1)
- ZONING: Industrial
- SETBACKS: 0
- BUILDING TYPE: V-N Sprinklered
- HEIGHT LIMIT: 35'
- OCCUPANCY GROUP: B-2 Warehouse/OFFICE
- Separation on 4 sides OF MORE THAN 60' ALLOWS UNLIMITED AREA
- OCCUPANT LOAD OF OFFICE AREA: 1ST FLOOR = 2792 ÷ 100 = 27.9; 2ND FLOOR = 2776 ÷ 100 = 27.8; TOTAL = 55.7

Existing site area is within Arbored building and existing storm sewer system has been calculated for impervious surfaces. No increase in impervious areas will result from this building.

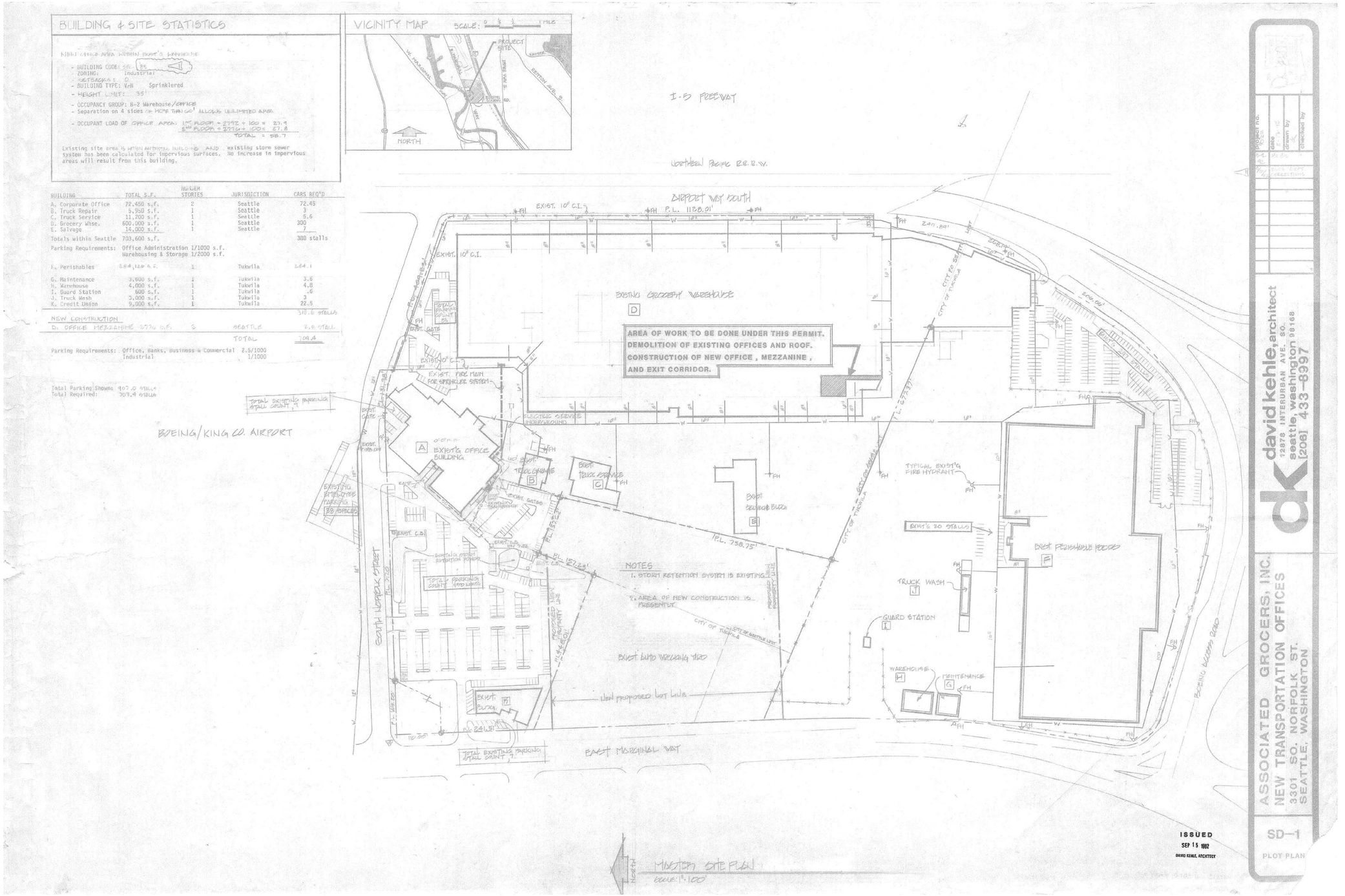
BUILDING	TOTAL S.F.	NUMBER STORIES	JURISDICTION	CARS REQ'D
A. Corporate Office	72,450 s.f.	2	Seattle	72.45
B. Truck Repair	5,950 s.f.	1	Seattle	3
C. Truck Service	11,200 s.f.	1	Seattle	5.6
D. Grocery Whse.	600,000 s.f.	1	Seattle	300
E. Salvage	14,000 s.f.	1	Seattle	7
Totals within Seattle	703,600 s.f.			388 stalls
Parking Requirements:	Office Administration 1/1000 s.f. Warehousing & Storage 1/2000 s.f.			
F. Perishables	284,129 s.f.	1	Tukwila	284.1
G. Maintenance	3,600 s.f.	1	Tukwila	3.6
H. Warehouse	4,000 s.f.	1	Tukwila	4.8
I. Guard Station	600 s.f.	1	Tukwila	.6
J. Truck Wash	3,000 s.f.	1	Tukwila	3
K. Credit Union	9,000 s.f.	1	Tukwila	22.5
				318.6 stalls
NEW CONSTRUCTION				
D. OFFICE MEZZANINE	5776 s.f.	2	SEATTLE	2.8 stall
			TOTAL	709.4

Parking Requirements: Office, Banks, Business & Commercial 2.5/1000
Industrial 1/1000

Total Parking Shown: 907.0 stalls
Total Required: 709.4 stalls

VICINITY MAP

SCALE: 0 1/2 1 MILE


I-5 FREEWAY
NORTHERN PACIFIC R.R. R.W.
DIAGONAL WAY SOUTH
EXIST. 10" C.I.
P.L. 1138.01'
EXIST. 10" C.I.
EXISTING GROCERY WAREHOUSE
D
AREA OF WORK TO BE DONE UNDER THIS PERMIT.
DEMOLITION OF EXISTING OFFICES AND ROOF.
CONSTRUCTION OF NEW OFFICE, MEZZANINE,
AND EXIT CORRIDOR.
EXIST. FIRE MAIN FOR SPRINKLER SYSTEM
EXIST. GATE
ELECTRIC SERVICE UNDERGROUND
A
EXISTING OFFICE BUILDING
EXIST. TRUCK GARAGE
B
EXIST. TRUCK SERVICE
C
EXIST. GATES
EXISTING EMPLOYEE PARKING 70 SPACES
EXIST. C.B.
SOUTH NORFOLK STREET
P.L. 738.75'
P.L. 127.62'
NOTES
1. STORM RETENTION SYSTEM IS EXISTING.
2. AREA OF NEW CONSTRUCTION IS PRESENTLY
CITY OF TUKWILA
CITY OF SEATTLE
PROPOSED LOT LINE
EXIST. LAND WORKING YARD
Non proposed lot Lines
EXIST. BLDG.
P.L. 241.51'
EAST MARGINAL WAY
TOTAL EXISTING PARKING STALL COUNT 7
TOTAL EXISTING PARKING STALL COUNT 470
TOTAL PARKING COUNT 470 STALLS
EXIST. 8" C.I.
EXIST. 12" C.I.
EXIST. 6" C.I.
EXIST. 24" C.I.
EXIST. 8" C.I.
EXIST. 10" C.I.
EXIST. 6" C.I.
EXIST. 8" C.I.
EXIST. 8" C.I.
EXIST. 8

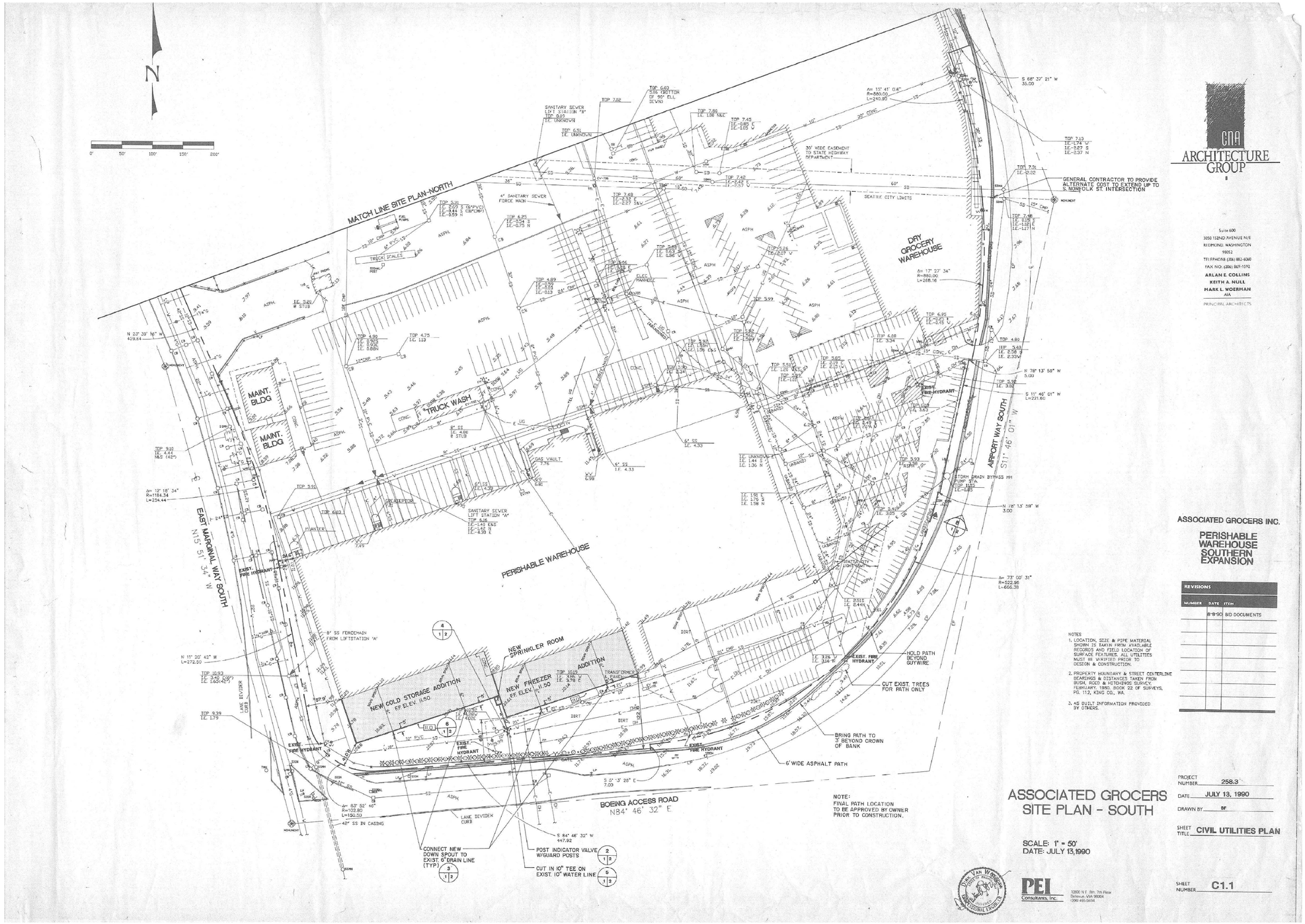
UTILITY REFERENCE PLAN

FOR

PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING



CNA ARCHITECTURE GROUP

Suite 600
3050 152ND AVENUE NE
REDMOND, WASHINGTON
98052
TELEPHONE (206) 882-6060
FAX NO. (206) 867-1592
ARLAN E. COLLINS
KEITH A. NULL
MARK L. WOERMAN
AIA
PRINCIPAL ARCHITECTS

ASSOCIATED GROCERS INC.

PERISHABLE WAREHOUSE SOUTHERN EXPANSION

REVISIONS		
NUMBER	DATE	ITEM
	8-8-90	BID DOCUMENTS

NOTES
1. LOCATION, SIZE & PIPE MATERIAL SHOWN IS TAKEN FROM AVAILABLE RECORDS AND FIELD LOCATION OF SURFACE FEATURES. ALL UTILITIES MUST BE VERIFIED PRIOR TO DESIGN & CONSTRUCTION.
2. PROPERTY BOUNDARY & STREET CENTERLINE BEARINGS & DISTANCES TAKEN FROM BUSH, ROED & HITCHINGS SURVEY, FEBRUARY, 1980, BOOK 22 OF SURVEYS, PG. 112, KING CO., WA.
3. AS BUILT INFORMATION PROVIDED BY OTHERS.

NOTE:
FINAL PATH LOCATION TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.

ASSOCIATED GROCERS SITE PLAN - SOUTH

SCALE: 1" = 50'
DATE: JULY 13,1990

PROJECT NUMBER 258.3
DATE JULY 13, 1990
DRAWN BY BF
SHEET TITLE CIVIL UTILITIES PLAN

SHEET NUMBER C1.1

PEI Consultants, Inc. 12900 N.E. 8th. 7th Floor Bellevue, WA 98004 (206) 455-3434

No.	Date	By	Appr.	Revision
4	5/31/22	BDW	JEP	DKB REVISED WATER DESIGN

Title: UTILITY REFERENCE PLAN

FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

For:
PROLOGIS
12720 GATEWAY DRIVE,
SUITE 110
TUKWILA, WA. 98168

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER — 5/31/2022

Scale: Horizontal - Vertical -

Designed JEP Drawn JEP Checked JEP Approved DKB Date 5/31/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222 barghausen.com

Job Number 18182

Sheet C21 of 22

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WATER SCHEMATIC PLAN
FOR
PROLOGIS EMERALD GATEWAY - PHASE 2

A PORTION OF THE NW AND NE 1/4 OF SECTIONS 03 AND 04, TOWNSHIP 23N, RANGE 4E W.M., CITIES OF TUKWILA AND SEATTLE, KING COUNTY WASHINGTON

RECORD DRAWING

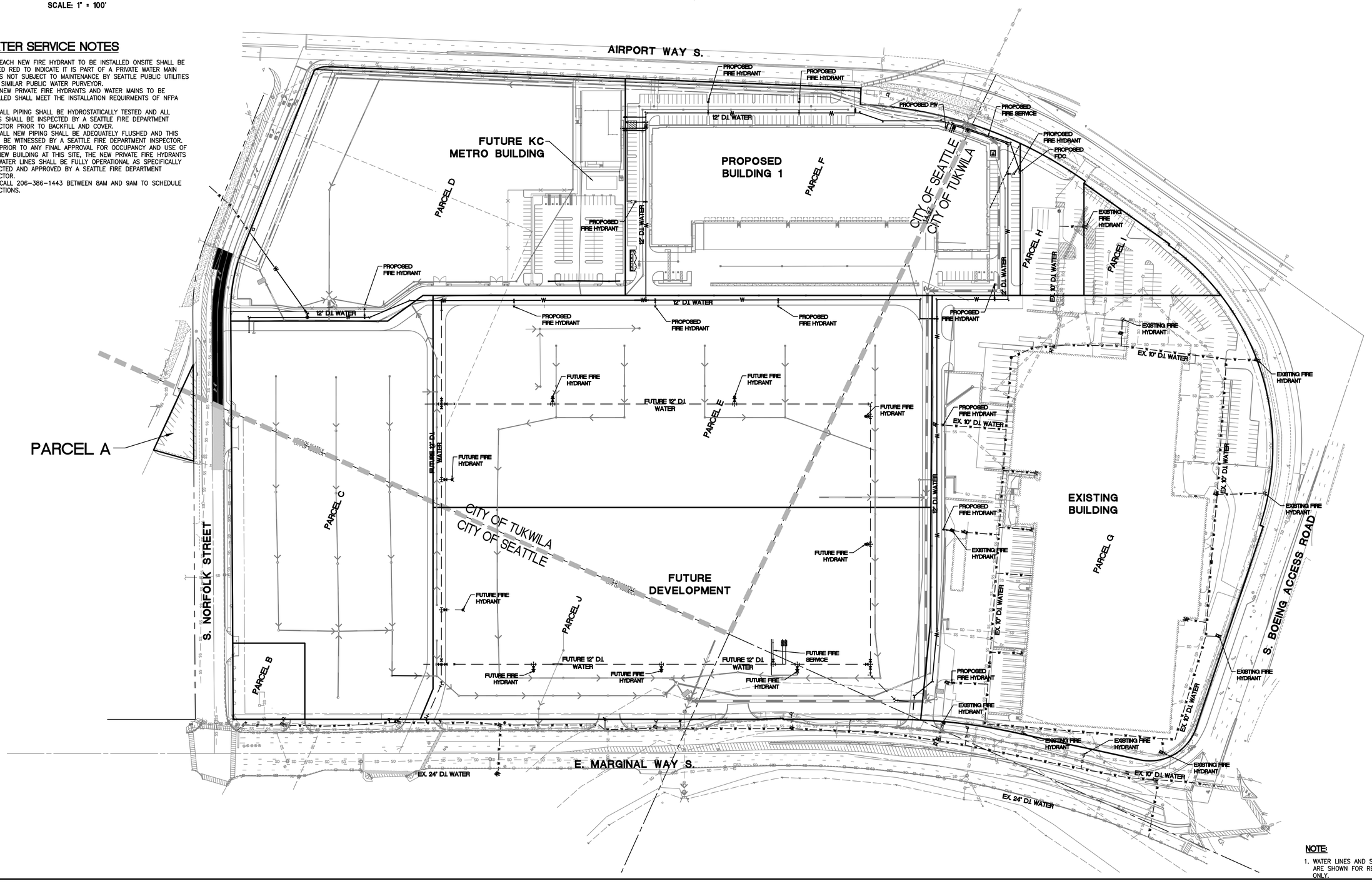
1"=100'

0 50 100 200

SCALE: 1" = 100'

WATER SERVICE NOTES

1. EACH NEW FIRE HYDRANT TO BE INSTALLED ONSITE SHALL BE PAINTED RED TO INDICATE IT IS PART OF A PRIVATE WATER MAIN AND IS NOT SUBJECT TO MAINTENANCE BY SEATTLE PUBLIC UTILITIES OR A SIMILAR PUBLIC WATER PURVEYOR.
2. NEW PRIVATE FIRE HYDRANTS AND WATER MAINS TO BE INSTALLED SHALL MEET THE INSTALLATION REQUIRMENTS OF NFPA 24.
3. ALL PIPING SHALL BE HYDROSTATICALLY TESTED AND ALL JOINTS SHALL BE INSPECTED BY A SEATTLE FIRE DEPARTMENT INSPECTOR PRIOR TO BACKFILL AND COVER.
4. ALL NEW PIPING SHALL BE ADEQUATELY FLUSHED AND THIS SHALL BE WITNESSED BY A SEATTLE FIRE DEPARTMENT INSPECTOR.
5. PRIOR TO ANY FINAL APPROVAL FOR OCCUPANCY AND USE OF THE NEW BUILDING AT THIS SITE, THE NEW PRIVATE FIRE HYDRANTS AND WATER LINES SHALL BE FULLY OPERATIONAL AS SPECIFICALLY INSPECTED AND APPROVED BY A SEATTLE FIRE DEPARTMENT INSPECTOR.
6. CALL 206-386-1443 BETWEEN 8AM AND 9AM TO SCHEDULE INSPECTIONS.


AIRPORT WAY S.
FUTURE KC METRO BUILDING
PROPOSED BUILDING 1
PARCEL D
PARCEL F
PARCEL H
PARCEL I
PARCEL A
PARCEL B
PARCEL C
PARCEL E
PARCEL G
PARCEL J
CITY OF SEATTLE
CITY OF TUKWILA
S. NORFOLK STREET
S. BOEING ACCESS ROAD
E. MARGINAL WAY S.
FUTURE DEVELOPMENT
EXISTING BUILDING
PROPOSED FIRE HYDRANT
PROPOSED FIRE SERVICE
PROPOSED FDC
PROPOSED FIRE HYDRANT
PROPOSED FIRE HYDRANT
PROPOSED FIRE HYDRANT
PROPOSED FIRE HYDRANT
PROPOSED FIRE HYDRANT
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PROPOSED FIRE HYDRANT
PROPOSED FIRE HYDRANT
PROPOSED FIRE HYDRANT
12" D.I. WATER
12" D.I. WATER
12" D.I. WATER
12" D.I. WATER
12" D.I. WATER
12" D.I. WATER
EX. 10" D.I. WATER
EX. 10" D.I. WATER
EX. 10" D.I. WATER
EX. 10" D.I. WATER
EX. 10" D.I. WATER
EX. 10" D.I. WATER
EX. 24" D.I. WATER
EX. 24" D.I. WATER
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
EXISTING FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE HYDRANT
FUTURE FIRE SERVICE
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
FUTURE 12" D.I. WATER
12" D.I. WATER
12" D.I. WATER
12" D.I. WATER
12" D.I. WATER
12" D.I. WATER

APPENDIX H
WELL DECOMMISSIONING DOCUMENTATION

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Notice of Intent No. AE60828

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. RE17816

Ecology Well ID Tag No. _____

Site Well Name _____

Consulting Firm Farallon Consulting

Was a variance approved for this well/boring? ☐ Yes ■ No

If yes, what was the variance for? _____

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
⇨ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner C/O Prologics - Re Tax

Well Street Address 3301 S. Norfolk St.

City Seattle County King

Tax Parcel No. 9028

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Driller/Engineer/Trainee Signature _____

License No. 2330

Company Name Anderson Environmental Contracting, LLC.

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

Latitude (Example: 47.12345) _____

Longitude (Example: -120.12345) _____

(WGS 84 Coordinate System)

Borehole diameter 8 inches Casing diameter 2 inches

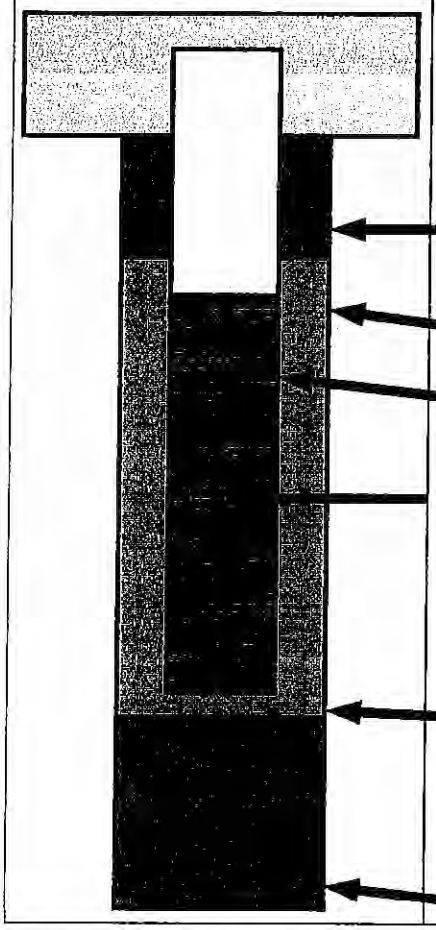
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ■ Flush monument

⇨ Stick-up of top of well casing _____ ft above ground surface

Start Date 5/29/2020 Completed Date 5/29/2020

Construction/Design



Well Data

Concrete Surface Seal Depth	1 FT
Blank Casing (dia x dep)	
Material	
Backfill	2' to 20' FT
Type	bentonite chips
Seal	FT
Gravel Pack	FT
Material	
Screen (dia x dep)	
Slot Size	
Material	
Well Depth	20' FT
Backfill	
Material	
Total Hole Depth	FT

Formation Description

0' to 20' FT

Chip in place 1 - ' - 2" well and cement well monument in place.

_____ FT

_____ FT

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. RS5410

Ecology Well ID Tag No. _____

Site Well Name _____

Consulting Firm Farallon Consulting

Was a variance approved for this well/boring? ☐ Yes ■ No

If yes, what was the variance for? _____

Notice of Intent No. AE60828

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
⇨ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner C/O Prologics - Re Tax

Well Street Address 3301 S. Norfolk St.

City Seattle County King

Tax Parcel No. 9028

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

Latitude (Example: 47.12345) _____

Longitude (Example: -120.12345) _____

(WGS 84 Coordinate System)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Driller/Engineer/Trainee Signature _____

License No. 2330

Company Name Anderson Environmental Contracting, LLC.

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Borehole diameter 8 inches Casing diameter 2 inches

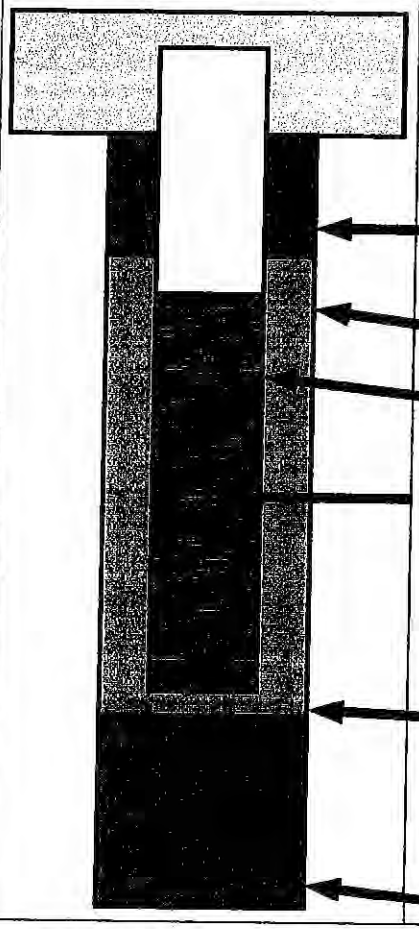
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ■ Flush monument

⇨ Stick-up of top of well casing _____ ft above ground surface

Start Date 5/29/2020 Completed Date 5/29/2020

Construction/Design



Well Data

Concrete Surface Seal Depth	1 FT
Blank Casing (dia x dep)	
Material	
Backfill	2' to 15' FT
Type	bentonite chips
Seal	FT
Gravel Pack	FT
Material	
Screen (dia x dep)	
Slot Size	
Material	
Well Depth	15' FT
Backfill	
Material	
Total Hole Depth	FT

Formation Description

0' to 15' FT

Chip in place 1 - ' - 2" well and cement well monument in place.

_____ FT

_____ FT

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. AE58286

Ecology Well ID Tag No. _____

Site Well Name _____

Consulting Firm Farallon Consulting

Was a variance approved for this well/boring? ☐ Yes ■ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Driller/Engineer/Trainee Signature _____

License No. 2330

Company Name Anderson Environmental Contracting, LLC.

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE60828

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner C/O Prologics - Re Tax

Well Street Address 3301 S. Norfolk St.

City Seattle County King

Tax Parcel No. 9028

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

Latitude (Example: 47.12345) _____

Longitude (Example: -120.12345) _____

(WGS 84 Coordinate System)

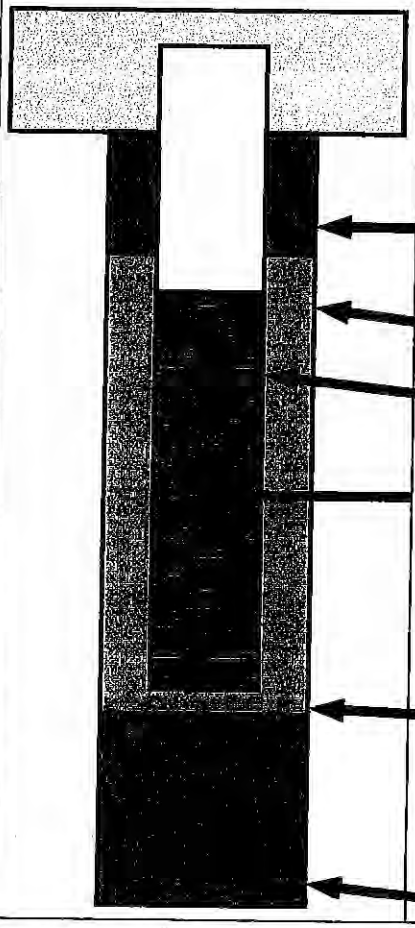
Borehole diameter 8 inches Casing diameter 2 inches

Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ■ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 5/29/2020 Completed Date 5/29/2020

Construction/Design	Well Data		Formation Description
	Concrete Surface Seal Depth	1 FT	0' to 15' FT
	Blank Casing (dia x dep)		Chip in place 1 - '- 2" well and cement well monument in place.
	Material		
	Backfill	2' to 15' FT	
	Type	bentonite chips	FT
	Seal	FT	
	Gravel Pack	FT	
	Material		
	Screen (dia x dep)		FT
	Slot Size		
	Material		
	Well Depth	15' FT	
	Backfill		
	Material		
	Total Hole Depth	FT	

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

ECY050-12 (07/2018) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Water Resources Program 360-407-6872. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. RE03827

Ecology Well ID Tag No. _____

Site Well Name _____

Consulting Firm Farallon Consulting

Was a variance approved for this well/boring? ☐ Yes ■ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Driller/Engineer/Trainee Signature _____

License No. 2330

Company Name Anderson Environmental Contracting, LLC.

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE60828

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner C/O Prologics - Re Tax

Well Street Address 3301 S. Norfolk St.

City Seattle County King

Tax Parcel No. 9028

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

Latitude (Example: 47.12345) _____

Longitude (Example: -120.12345) _____

(WGS 84 Coordinate System)

Borehole diameter 8 inches Casing diameter 2 inches

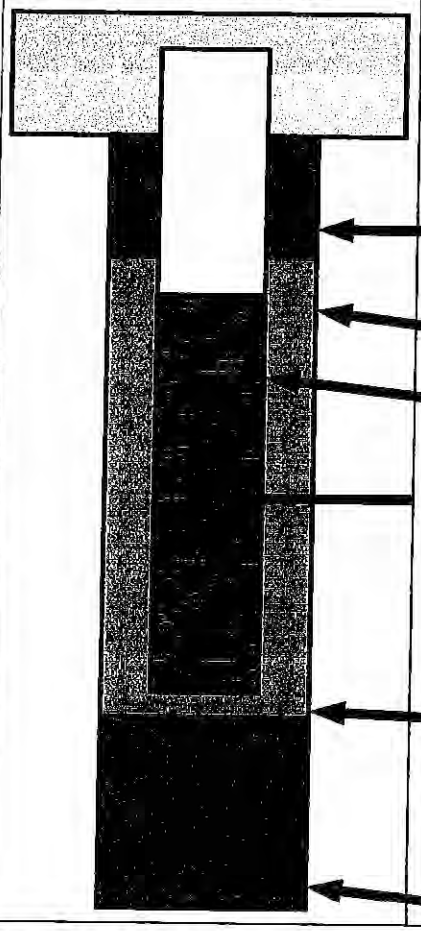
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ■ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 5/29/2020 Completed Date 5/29/2020

Construction/Design



Well Data

Concrete Surface Seal Depth	1 FT
Blank Casing (dia x dep)	
Material	
Backfill	2' to 18' FT
Type	bentonite chips
Seal	FT
Gravel Pack	FT
Material	
Screen (dia x dep)	
Slot Size	
Material	
Well Depth	18' FT
Backfill	
Material	
Total Hole Depth	FT

Formation Description

0' to 18' FT

Chip in place 1 - ' - 2" well and cement well monument in place.

_____ FT

_____ FT

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Notice of Intent No. AE60828

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. RF03697

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Ecology Well ID Tag No.

Site Well Name

Consulting Firm Farallon Consulting

Property Owner C/O Prologics - Re Tax

Was a variance approved for this well/boring? ☐ Yes ■ No

Well Street Address 3301 S. Norfolk St.

If yes, what was the variance for?

City Seattle County King

Tax Parcel No. 9028

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Driller/Engineer/Trainee Signature

License No. 2330

Company Name Anderson Environmental Contracting, LLC.

Latitude (Example: 47.12345)

Longitude (Example: -120.12345)

(WGS 84 Coordinate System)

Borehole diameter 8 inches Casing diameter 2 inches

Static water level ft below top of casing Date

☐ Above-ground completion with bollards ■ Flush monument

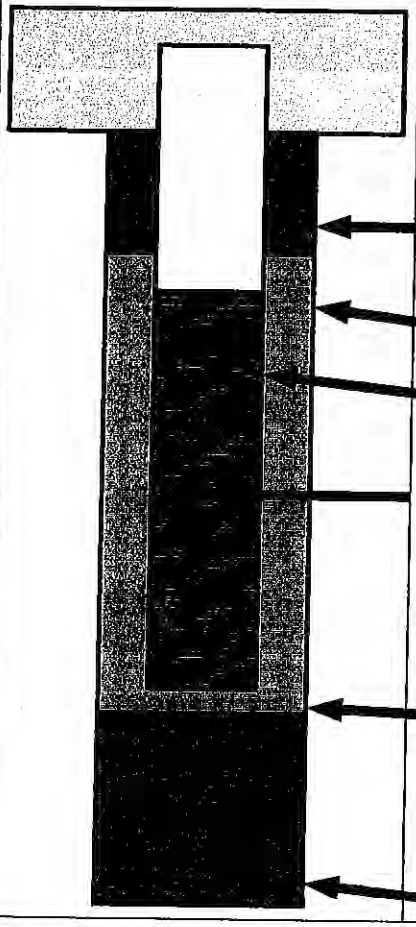
↳ Stick-up of top of well casing ft above ground surface

Start Date 5/29/2020 Completed Date 5/29/2020

If trainee box is checked, sponsor's license number:

Sponsor's signature

Construction/Design



Well Data

Concrete Surface Seal Depth	1	FT
Blank Casing (dia x dep)		
Material		
Backfill	2' to 15'	FT
Type	bentonite chips	
Seal		FT
Gravel Pack		FT
Material		
Screen (dia x dep)		
Slot Size		
Material		
Well Depth	15'	FT
Backfill		
Material		
Total Hole Depth		FT

Formation Description

0' to 15' FT

Chip in place 1 - ' - 2" well and cement well monument in place.

FT

FT

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Notice of Intent No. AE60828

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. RE03697

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other

↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Ecology Well ID Tag No.

Site Well Name

Consulting Firm Farallon Consulting

Property Owner C/O Prologics - Re Tax

Was a variance approved for this well/boring? ☐ Yes ■ No

Well Street Address 3301 S. Norfolk St.

If yes, what was the variance for?

City Seattle County King

Tax Parcel No. 9028

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Latitude (Example: 47.12345)

Longitude (Example: -120.12345)

(WGS 84 Coordinate System)

Driller/Engineer/Trainee Signature

Borehole diameter 8 inches Casing diameter 2 inches

License No. 2330

Static water level ft below top of casing Date

Company Name Anderson Environmental Contracting, LLC.

☐ Above-ground completion with bollards ■ Flush monument

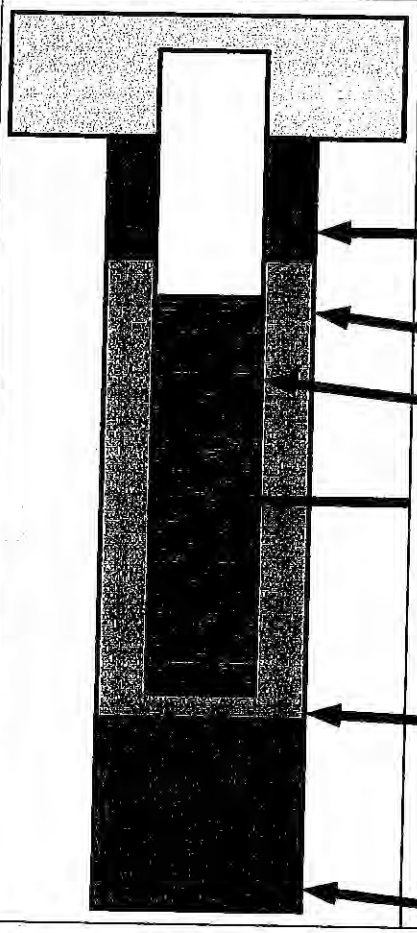
If trainee box is checked, sponsor's license number:

↳ Stick-up of top of well casing ft above ground surface

Sponsor's signature

Start Date 5/29/2020 Completed Date 5/29/2020

Construction/Design



Well Data

Concrete Surface Seal Depth	1	FT
Blank Casing (dia x dep)		
Material		
Backfill	2' to 15'	FT
Type	bentonite chips	
Seal		FT
Gravel Pack		FT
Material		
Screen (dia x dep)		
Slot Size		
Material		
Well Depth	15'	FT
Backfill		
Material		
Total Hole Depth		FT

Formation Description

0' to 15' FT

Chip in place 1 - ' - 2" well and cement well monument in place.

FT

FT

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

ECY050-12 (07/2018) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Water Resources Program 360-407-6872. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Notice of Intent No. AE60828

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. L58286

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Ecology Well ID Tag No. _____

Site Well Name _____

Consulting Firm Farallon Consulting

Was a variance approved for this well/boring? ☐ Yes ■ No

If yes, what was the variance for? _____

Property Owner C/O Prologics - Re Tax

Well Street Address 3301 S. Norfolk St.

City Seattle County King

Tax Parcel No. 9028

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Driller/Engineer/Trainee Signature _____

License No. 2330

Company Name Anderson Environmental Contracting, LLC.

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

Latitude (Example: 47.12345) _____

Longitude (Example: -120.12345) _____

(WGS 84 Coordinate System)

Borehole diameter 8 inches Casing diameter 2 inches

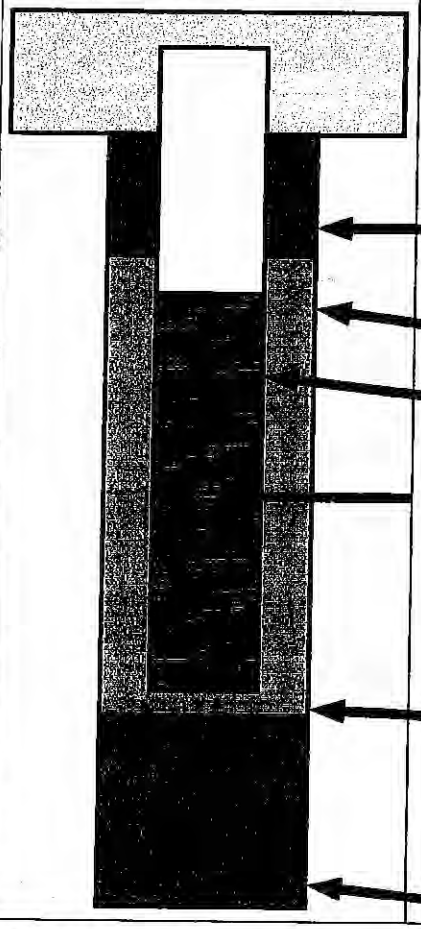
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ■ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 5/29/2020 Completed Date 5/29/2020

Construction/Design



Well Data

Concrete Surface Seal Depth	1 FT
Blank Casing (dia x dep)	
Material	
Backfill	2' to 15' FT
Type	bentonite chips
Seal	FT
Gravel Pack	FT
Material	
Screen (dia x dep)	
Slot Size	
Material	
Well Depth	15' FT
Backfill	
Material	
Total Hole Depth	FT

Formation Description

0' to 15' FT

Chip in place 1 - ' - 2" well and cement well monument in place.

_____ FT

_____ FT

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Notice of Intent No. AE60828

Type of Work:

☐ Construction
■ Decommission ⇨ Original NOI No. RE03697

Type of Well:

■ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other

↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Ecology Well ID Tag No.

Site Well Name

Consulting Firm Farallon Consulting

Property Owner C/O Prologics - Re Tax

Was a variance approved for this well/boring? ☐ Yes ■ No

Well Street Address 3301 S. Norfolk St.

If yes, what was the variance for?

City Seattle County King

Tax Parcel No. 9028

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

Location (see instructions): WWM ☐ or EWM ☐

NW ¼-¼ NW ¼, Section 3 Town 23N Range 4E

■ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Gose, Brian

Driller/Engineer/Trainee Signature

License No. 2330

Company Name Anderson Environmental Contracting, LLC.

If trainee box is checked, sponsor's license number:

Sponsor's signature

Latitude (Example: 47.12345)

Longitude (Example: -120.12345)

(WGS 84 Coordinate System)

Borehole diameter 8 inches Casing diameter 2 inches

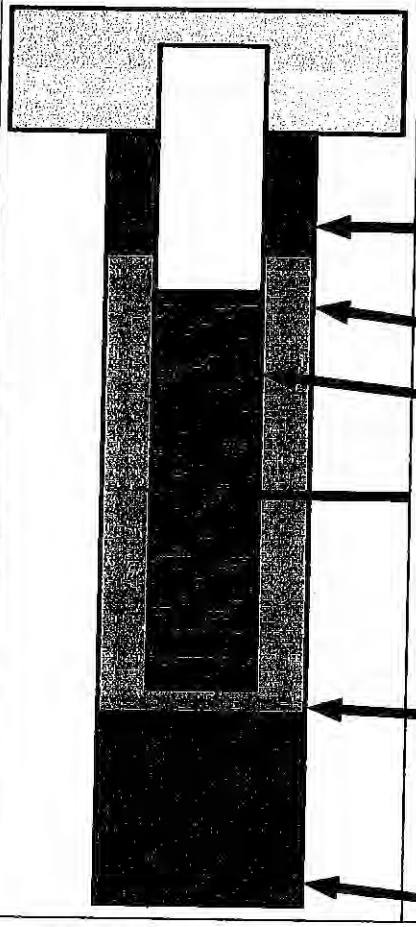
Static water level ft below top of casing Date

☐ Above-ground completion with bollards ■ Flush monument

↳ Stick-up of top of well casing ft above ground surface

Start Date 5/29/2020 Completed Date 5/29/2020

Construction/Design



Well Data

Concrete Surface Seal Depth	1	FT
Blank Casing (dia x dep)		
Material		
Backfill	2' to 15'	FT
Type	bentonite chips	
Seal		FT
Gravel Pack		FT
Material		
Screen (dia x dep)		
Slot Size		
Material		
Well Depth	15'	FT
Backfill		
Material		
Total Hole Depth		FT

Formation Description

0' to 15' FT

Chip in place 1 - ' - 2" well and cement well monument in place.

FT

FT

Received
Department of Ecology
JUL 20 2020
Water Resources Program
NWRO

The Department of Ecology does NOT warranty the Data and/or information on this well report.

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission ⇨ Original NOI No. _____

Ecology Well ID Tag No. _____

Site Well Name ~~BEC~~ DOF-1

Consulting Firm Farallon

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ ~~Driller~~ ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Rosaby, Pat

Driller/Engineer/Trainee Signature Pat Rosaby

License No. 2531

Company Name Holt Services Inc

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE87006

Type of Well:

☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Prologis

Well Street Address 3361 Norfolk St.

City Tukwila County King

Tax Parcel No. 0323049045

Location (see instructions): WWM ☐ or EWM ☐

SE ¼-¼ SE ¼, Section 4 Town 23N Range 4E

Latitude (Example: 47.12345) 47.510808

Longitude (Example: -120.12345) -122.292493

(WGS 84 Coordinate System)

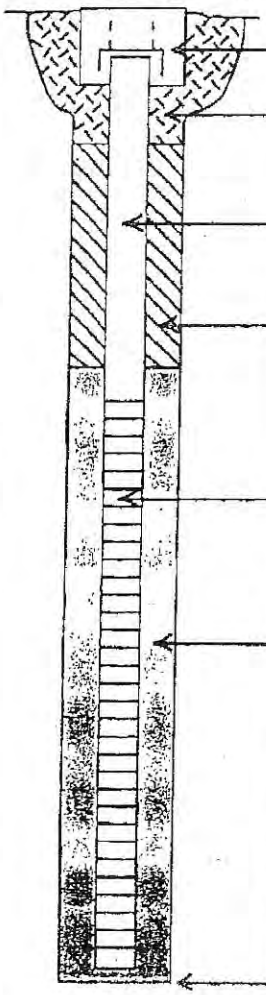
Borehole diameter 6 inches Casing diameter _____ inches

Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☐ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 03/28/25 Completed Date 03/28/25

Construction/Design	Well Data	Formation Description
	MONUMENT TYPE: N/A CONCRETE SURFACE SEAL 2 ft. PVC BLANK N/A ft. BACKFILL 12 ft. TYPE: Bentonite chips PVC SCREEN N/A ft. SLOT SIZE: N/A TYPE: N/A GRAVEL PACK N/A ft. MATERIAL: N/A overdrill decommission WELL DEPTH 15 ft.	0 - ft. - ft. - ft. - ft. - ft. REMARKS: Concrete 1' below surface

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission ⟹ Original NOI No. _____

Ecology Well ID Tag No. ~~BFP0MW3~~

Site Well Name ~~BFP-3~~ DOF-3

Consulting Firm Farallon

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

Notice of Intent No. AE87006

Type of Well:

☑ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Prologis

Well Street Address 3301 Norfolk St

City Tukwila County King

Tax Parcel No. 0323049045

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Rosenberg, Pete

Driller/Engineer/Trainee Signature Pete Rosenberg

License No. 2931

Company Name Holt Services Inc

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Location (see instructions): WWM ☐ or EWM ☐

SE ¼-¼ SE ¼, Section 4 Town 23N Range 4E

Latitude (Example: 47.12345) 47.511496

Longitude (Example: -120.12345) -122.292914

(WGS 84 Coordinate System)

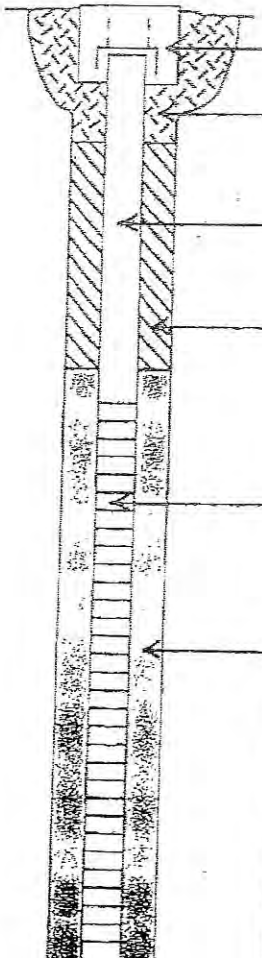
Borehole diameter 6 inches Casing diameter _____ inches

Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☐ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 03/28/25 Completed Date 03/28/25

Construction/Design	Well Data	Formation Description
	MONUMENT TYPE: N/A CONCRETE SURFACE SEAL ~~N/A~~ 2 ft. PVC BLANK N/A BACKFILL 17 ft. TYPE: Bentonite chips PVC SCREEN N/A SLOT SIZE: N/A TYPE: N/A GRAVEL PACK N/A ft. MATERIAL: N/A Overdrill decommission	0 - ft. - ft. - ft. - ft. - ft.

REMARKS: concrete 1' below surface

20'

DEPARTMENT OF ECOLOGY
State of Washington

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission ⇨ Original NOI No. _____

Ecology Well ID Tag No. _____

Site Well Name FMW-02

Consulting Firm Farallon

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Rosenberg, Pete

Driller/Engineer/Trainee Signature Pete Rosenberg

License No. 2931

Company Name Holt Services Inc

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE87006

Type of Well:

☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Prologis

Well Street Address 3381 Norfolk St

City Tukwila County King

Tax Parcel No. 0323049045

Location (see instructions): WWM ☐ or EWM ☐

SE ¼-¼ SE ¼, Section 4 Town 23N Range 4E

Latitude (Example: 47.12345) 47.509319

Longitude (Example: -120.12345) -122.291523

(WGS 84 Coordinate System)

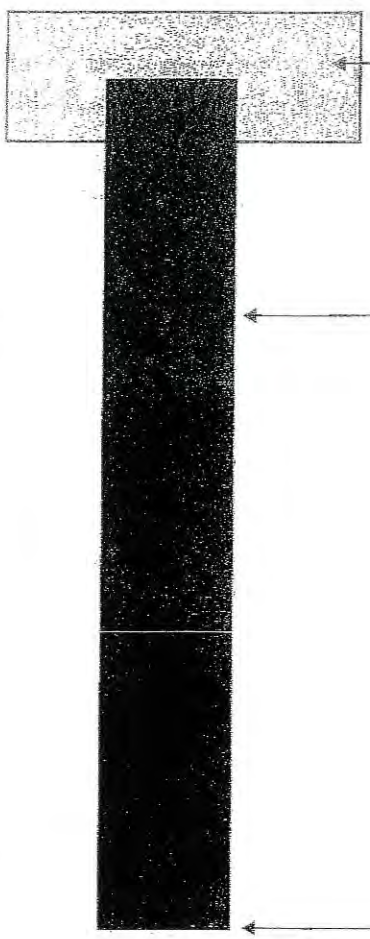
Borehole diameter 10 inches Casing diameter _____ inches

Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☐ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 3/28/25 Completed Date 3/28/25

Construction Design	Well Data	Driller's Log
	CONCRETE SURFACE SEAL 2 FT	0 FT
	BACKFILL 18 FT (3/8" bentonite chips)	0 FT
		0 FT
	DEPTH OF BORING 20' FT	overdrill decommission

APPENDIX I
DISCHARGE MONITORING REPORTS

INTERIM ACTION REPORT
Emerald Gateway Site
3301 South Norfolk Street
Seattle/Tukwila, Washington

Farallon PN: 1071-026

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1730508 - 7/14/2020 8:55:57 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Tuesday July 14 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



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m6uO5+56aGKy4=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:**

Monitoring Period: 06/01/2020 - 06/30/2020 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 2

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-M	6/1/20	C	C	C	C	C	C	C	C	C	C	C
2-Su	6/7/20	C	C	C	C	C	C	C	C	C	C	C
3-Su	6/14/20	C	C	C	C	C	C	C	C	C	C	C
4-Su	6/21/20	C	C	C	C	C	C	C	C	C	C	C
5-Su	6/28/20	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Silt Fence

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-M	6/1/20	C	C	C	C	C	C	C	C	C	C	C
2-Su	6/7/20	C	C	C	C	C	C	C	C	C	C	C
3-Su	6/14/20	C	C	C	C	C	C	C	C	C	C	C
4-Su	6/21/20	C	C	C	C	C	C	C	C	C	C	C
5-Su	6/28/20	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	ethyl phthalate Micrograms/L (ug/L) Weekly Grab	utyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	is(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	imethyl phthalate Micrograms/L (ug/L) Weekly Grab	-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	hloroform Micrograms/L (ug/L) Weekly Grab	2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	CBs (polychlorinated biphenyls) otal Micrograms/L (ug/L) Weekly Grab	H Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrati ve Order #18101 PCBs	Constructio n Stormwater General Permit 2016 - 303(d)
1-M	6/1/20	C	C	C	C	C	C	C	C	C	C	C
2-Su	6/7/20	C	C	C	C	C	C	C	C	C	C	C
3-Su	6/14/20	C	C	C	C	C	C	C	C	C	C	C
4-Su	6/21/20	C	C	C	C	C	C	C	C	C	C	C
5-Su	6/28/20	C	C	C	C	C	C	C	C	C	C	C
Minimum												
												>= 6.5 (RO)
Maximum												
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2016 >=5 acres
1-M	6/1/20	C
2-Su	6/7/20	C
3-Su	6/14/20	C
4-Su	6/21/20	C
5-Su	6/28/20	C
Minimum		
Maximum		BM: <= 25 (RO)

	5	Straw Wattles
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

7/14/2020 8:56:07 AM
Date

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gate Way Permit Number WAR308823

Site Address S. Norfolk / E. Marginal Way

Name of CESCL Cory Delf Phone Number 206 423 5394

Name of Monitoring Company JR Hayes

Date & Time of Sample 6/1 - 6/5

Weather Conditions 6/1 59° Cloudy 6/2 58° Trace 6/3 58 Sunny

6/4 Sunny 65° 6/5 Cloudy 67

	Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
6/1	CB S. Norfolk					
6/2	CB S. Norfolk					
6/3	CB S. Norfolk	No discharge				
6/4	CB S. Norfolk					

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

No action needed

Other Comments:

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823

Site Address Norfolk / E. Marginal Way

Name of CESCL Corey Delp Phone Number 206-473-5394

Name of Monitoring Company JR HAYES

Date & Time of Sample 6-8 — 6-12

Weather Conditions 6-8 64° - 6-9 64° - 6-10 72° - 6-11 72° 6-12 61°

	Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
6-8	CB Norfolk					
6-9	"					
6-10	"		No Discharge			
6-11	"					
6-12	"					
	"					

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

No action Needed

Other Comments:

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823

Site Address Norfolk - E. Marginal Way

Name of CESCL Cory Delp Phone Number 206-423-5394

Name of Monitoring Company JR. Hayes

Date & Time of Sample 6-15 - 6-19

Weather Conditions (6-15 59°) (6-16 60°) (6-17 62°) (6-18 65°) (6-19 69°)

Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
		No Discharge			

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

No action Needed

Other Comments:

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823

Site Address Norfolk - E. Marginal Way

Name of CESCL Cory Delp Phone Number 206-423-5394

Name of Monitoring Company JR HAYES

Date & Time of Sample 6-22-20 - 6-26-20

Weather Conditions (6-22 66°) (6-23 72°) (6-24 70°) (6-25 69°) (6-26 70°)

Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
	No Discharge				

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

No action Needed

Other Comments:

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823
Site Address Norfolk - E Marginal
Name of CESCL Cory Dulp Phone Number 206-423-5394
Name of Monitoring Company JR HAYES
Date & Time of Sample 6-29-20 6-30-20
Weather Conditions (6-29 63°) (6-29 61°)

Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
		No Discharge			

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

No action Needed

Other Comments:

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1736069 - 8/13/2020 9:19:52 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Thursday August 13 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



P32saZzfart6p7ewcDrHXcNr/dnpmK/gze4ChcpKT520alhRXzj
+KiFNhhtLKJp06izi/A7vPfbKk9/jESFGmKLqxso52cqPZxMvSxJWtg4=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:**

Monitoring Period: 07/01/2020 - 07/31/2020 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz(a,h)anthracene [1,2,5,6-dibenzanthracene] Micrograms/L (ug/L) Weekly Grab	Benz(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-W	7/1/20	C	C	C	C	C	C	C	C	C	C	C
2-Su	7/5/20	C	C	C	C	C	C	C	C	C	C	C
3-Su	7/12/20	C	C	C	C	C	C	C	C	C	C	C
4-Su	7/19/20	C	C	C	C	C	C	C	C	C	C	C
5-Su	7/26/20	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Silt Fence
	5	Straw Wattles

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo[ghi]perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**7/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/5/20**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/12/20**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/19/20**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/26/20**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2016 - 303(d)**
1-W	**7/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/5/20**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/12/20**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/19/20**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/26/20**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
												>= 6.5 (RO)
Maximum												
												<= 8.5 (RO)

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823

Site Address Norfolk - E. Marginal

Name of CESCL C. Delp Phone Number 206-423-5394

Name of Monitoring Company JR HAYES

Date & Time of Sample 7-1-20 - 7-7-20

Weather Conditions 7-1 60° 7-2 61° 7-3 61° 7-4 63° 7-5 65°
7-6 64° 7-7 63°

Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
	NO	Discharge			

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

Other Comments:

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823

Site Address Norfolk E. Marginal

Name of CESCL C. Delp Phone Number 206-423-5394

Name of Monitoring Company JR. HAYES

Date & Time of Sample 7-8-20 7-15-20

Weather Conditions 7-8 65° 7-9 65° 7-10 64° 7-11 62° 7-12 66°
7-13 66° 7-14 68 7-15 71°

Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
		NO Discharge			

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

Other Comments:

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823

Site Address Norfolk E Marginal

Name of CESCL C. Delp Phone Number 206-423-5394

Name of Monitoring Company JR HAYES

Date & Time of Sample 7-16-20 7-23-20

Weather Conditions 7-16 68°, 7-17 65°, 7-18 69°, 7-19 72°
7-20 75° 7-21 72° 7-22 66° 7-23 64°

Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
		NO Discharge			

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

Other Comments:

Turbidity & pH Monitoring Data Sheet

Project Name Emerald Gateway Permit Number WAR 308823

Site Address Norfolk E. Marginal

Name of CESCL Cory Delp Phone Number 206-423-[illegible]394

Name of Monitoring Company JR HAYES

Date & Time of Sample 7-24-20 7-31

Weather Conditions 7-24 64° 7-25 67° 7-26 74° 7-27 79°
7-28 70° 7-29 71° 7-30 76° 7-31 72°.

Sampling Location	Turbidity Reading (NTU)	Turbidity Above Benchmark? (Y/N)	pH Reading	pH Above Benchmark? (Y/N)	Contractor Notified of results? (Y/N)
		NO Discharge			

Corrective Measures Taken By Contractor (if turbidity increase is above standard):

Other Comments:

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2016 >=5 acres
1-W	7/1/20	C
2-Su	7/5/20	C
3-Su	7/12/20	C
4-Su	7/19/20	C
5-Su	7/26/20	C
Minimum		
Maximum		BM: <= 25 (RO)

	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

8/13/2020 9:19:53 AM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1740069 - 9/16/2020 2:02:14 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Wednesday September 16 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



2SJ/fp42L3WEgxMJRKMMThH8K36oVJlggjZL
+/6dmWpOAHJcvcpio5dfJtgiA/m0ayXkrYP/nSMQ85VQy/dAb4Ik44//VEVMBpEO1N12tRI=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:**

Monitoring Period: 08/01/2020 - 08/31/2020 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Sa	**8/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/2/20**	C	C	C	C	C	C	C	C	C	C	C
3-F	**8/14/20**	<11.1	<7.5	<23.4	<7.5	2.07	<42	<4.8	<210	<1.8	4.99	<1100
3-Sa	**8/15/20**											
4-Su	**8/16/20**											
4-M	**8/17/20**											
4-T	**8/18/20**											
4-W	**8/19/20**	<11.1	<7.5	<23.4	<7.5	<69	<42	<4.8	<210	<1.8	<90	<1100
4-Th	**8/20/20**											
4-F	**8/21/20**											
4-Sa	**8/22/20**											
5-Su	**8/23/20**											
5-M	**8/24/20**											
5-T	**8/25/20**											
5-W	**8/26/20**											
5-Th	**8/27/20**	<11.1	<7.5	<23.4	<7.5	<69	<42	<4.8	<210	<1.8	2.93	<1100
5-F	**8/28/20**											
5-Sa	**8/29/20**											
6-Su	**8/30/20**											
6-M	**8/31/20**											
Minimum												
Maximum						69	42	4.8	210	1.8	90	1100
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
1		Check Dams
1		Construction Stormwater Chemical Treatment
1		Sediment Trap
1		Silt Fence
1		Straw Wattles

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Sa	**8/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/2/20**	C	C	C	C	C	C	C	C	C	C	C
3-F	**8/14/20**	36	<2	<250	<250	<12.3	<6.5	<5.7	<4.8	<16.2	<.01	<.01
3-Sa	**8/15/20**											
4-Su	**8/16/20**											
4-M	**8/17/20**											
4-T	**8/18/20**											
4-W	**8/19/20**	6.54	<2	<250	<250	<12.3	<6.6	<5.7	<4.8	<16.2	<.01	<.01
4-Th	**8/20/20**											
4-F	**8/21/20**											
4-Sa	**8/22/20**											
5-Su	**8/23/20**											
5-M	**8/24/20**											
5-T	**8/25/20**											
5-W	**8/26/20**											
5-Th	**8/27/20**	115	<2	<250	<250	<12.3	<6.5	<5.7	<4.8	<16.2	<.01	<.01
5-F	**8/28/20**											
5-Sa	**8/29/20**											
6-Su	**8/30/20**											
6-M	**8/31/20**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2016 - 303(d)**
1-Sa	**8/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/2/20**	C	C	C	C	C	C	C	C	C	C	C
3-F	**8/14/20**	<7.6	<17.6	<5.7	0.0913	0.0831	<4.8	<2	<4.8	<1	<.016	7.47
3-Sa	**8/15/20**											7.03
4-Su	**8/16/20**											6.77
4-M	**8/17/20**											6.76
4-T	**8/18/20**											6.8
4-W	**8/19/20**	<7.6	<17.6	<5.7	<7.5	<7.5	<4.8	<2	<4.8	<1	<.016	6.79
4-Th	**8/20/20**											6.83
4-F	**8/21/20**											6.78
4-Sa	**8/22/20**											6.82
5-Su	**8/23/20**											6.81
5-M	**8/24/20**											6.83
5-T	**8/25/20**											6.82
5-W	**8/26/20**											6.74
5-Th	**8/27/20**	<7.6	<17.6	<5.7	<7.5	<7.5	<4.8	<2	<4.8	<1	<.016	6.58
5-F	**8/28/20**											6.65
5-Sa	**8/29/20**											6.85
6-Su	**8/30/20**											6.78
6-M	**8/31/20**											6.83
Minimum												6.58
												>= 6.5 (RO)
Maximum												7.47
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2016 >=5 acres
1-Sa	**8/1/20**	C
2-Su	**8/2/20**	C
3-F	**8/14/20**	6.1
3-Sa	**8/15/20**	1.6
4-Su	**8/16/20**	2.9
4-M	**8/17/20**	2.8
4-T	**8/18/20**	1.7
4-W	**8/19/20**	2.3
4-Th	**8/20/20**	2.4
4-F	**8/21/20**	1.9
4-Sa	**8/22/20**	2.1
5-Su	**8/23/20**	2.6
5-M	**8/24/20**	2.6
5-T	**8/25/20**	2.2
5-W	**8/26/20**	1.8
5-Th	**8/27/20**	1.6
5-F	**8/28/20**	2.4
5-Sa	**8/29/20**	2.5
6-Su	**8/30/20**	3.3
6-M	**8/31/20**	2.2
Minimum		
Maximum		6.1
		BM: <= 25 (RO)

1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

9/16/2020 2:02:16 PM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1743826 - 10/13/2020 2:56:04 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Tuesday October 13 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



e3Jn2iKeFFQ57j+m7f+D/AxtC6b8HVXMwJQZ2ZZ44hY
+kI6yhdeZ/v56cHhxOKykJFNJ8Fsz4uZ3Qx3ptEqrSKvOspbcxEjXiYp+GMpxqlw=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:**

Monitoring Period: 09/01/2020 - 09/30/2020 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-T	9/1/20											
1-W	9/2/20	<0.0991	<0.0991	<0.0991	<0.0991	1.07	0.0910	<2.0	<0.50	0.0140	2.33	0.791
1-Th	9/3/20											
1-F	9/4/20											
1-Sa	9/5/20											
2-Su	9/6/20											
2-M	9/7/20											
2-T	9/8/20											
2-W	9/9/20	<0.0991	<0.0991	<0.0991	<0.0991	0.545	<0.2	<2.0	<0.5	<0.1	4.81	1.33
2-Th	9/10/20											
2-F	9/11/20											
2-Sa	9/12/20											
3-Su	9/13/20											
3-M	9/14/20											
3-T	9/15/20											
3-W	9/16/20											
3-Th	9/17/20	<0.0994	<0.0994	<0.0994	<0.0994	<1	<0.2	<2	<0.5	0.0470	5.03	2.09
3-F	9/18/20											
3-Sa	9/19/20											
4-Su	9/20/20											
4-M	9/21/20											
4-T	9/22/20											
4-W	9/23/20	<0.0995	<0.0995	<0.0995	<0.0995	<1.0	<0.2	<2.0	<0.5	0.008	5.17	0.577
4-Th	9/24/20											
4-F	9/25/20											
4-Sa	9/26/20											
5-Su	9/27/20											
5-M	9/28/20											
5-T	9/29/20											
5-W	9/30/20											
Minimum												
Maximum						1.07	0.2	2	0.5	0.1	5.17	2.09
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo[ghi]perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-T	**9/1/20**											
1-W	**9/2/20**	1060	0.2222	72.4	<50	<0.0999	0.0999	<0.0999	<0.0999	0.999	<0.01	<0.01
1-Th	**9/3/20**											
1-F	**9/4/20**											
1-Sa	**9/5/20**											
2-Su	**9/6/20**											
2-M	**9/7/20**											
2-T	**9/8/20**											
2-W	**9/9/20**	2000	<0.0912	<50	<50	<0.0991	<0.0991	0.0991	<0.0991	<0.0991	<0.01	<0.01
2-Th	**9/10/20**											
2-F	**9/11/20**											
2-Sa	**9/12/20**											
3-Su	**9/13/20**											
3-M	**9/14/20**											
3-T	**9/15/20**											
3-W	**9/16/20**											
3-Th	**9/17/20**	2210	0.324	19.09	<50	<0.0994	<0.0994	<0.0994	<0.0994	<0.0994	0.01	0.01
3-F	**9/18/20**											
3-Sa	**9/19/20**											
4-Su	**9/20/20**											
4-M	**9/21/20**											
4-T	**9/22/20**											
4-W	**9/23/20**	2160	0.298	88	<50	<0.0995	<0.0995	<0.0995	0.0888	<0.0995	0.0650	0.0488
4-Th	**9/24/20**											
4-F	**9/25/20**											
4-Sa	**9/26/20**											
5-Su	**9/27/20**											
5-M	**9/28/20**											
5-T	**9/29/20**											
5-W	**9/30/20**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2016 - 303(d)
1-T	**9/1/20**											6.89
1-W	**9/2/20**	<0.999	<1	0.999	<0.60	0.133	<0.999	<.999	0.420	0.287	<0.00989	7.02
1-Th	**9/3/20**											6.96
1-F	**9/4/20**											6.90
1-Sa	**9/5/20**											6.90
2-Su	**9/6/20**											7.08
2-M	**9/7/20**											7.08
2-T	**9/8/20**											7.08
2-W	**9/9/20**	<0.991	<1	<0.991	<0.595	<0.496	<0.991	<0.991	<1	<1	<0.00992	7.01
2-Th	**9/10/20**											6.94
2-F	**9/11/20**											6.93
2-Sa	**9/12/20**											6.91
3-Su	**9/13/20**											6.87
3-M	**9/14/20**											6.86
3-T	**9/15/20**											6.80
3-W	**9/16/20**											6.66
3-Th	**9/17/20**	<0.994	<0.0379	0.0430	0.0893	0.144	<0.994	<0.994	0.450	0.174	<0.00989	6.75
3-F	**9/18/20**											6.80
3-Sa	**9/19/20**											6.79
4-Su	**9/20/20**											6.71
4-M	**9/21/20**											6.74
4-T	**9/22/20**											6.85
4-W	**9/23/20**	<0.0995	<0.0379	0.0513	0.148	0.174	<0.995	<0.0995	0.312	0.191	.00958	6.93
4-Th	**9/24/20**											7.05
4-F	**9/25/20**											6.93
4-Sa	**9/26/20**											6.80
5-Su	**9/27/20**											6.88
5-M	**9/28/20**											6.96
5-T	**9/29/20**											6.92
5-W	**9/30/20**											6.87
Minimum												6.66
												>= 6.5 (RO)
Maximum												7.08
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2016 >=5 acres
1-T	**9/1/20**	2.2
1-W	**9/2/20**	1.9
1-Th	**9/3/20**	2.6
1-F	**9/4/20**	3.6
1-Sa	**9/5/20**	1.6
2-Su	**9/6/20**	2.3
2-M	**9/7/20**	2.1
2-T	**9/8/20**	3.2
2-W	**9/9/20**	3.1
2-Th	**9/10/20**	2.2
2-F	**9/11/20**	3.7
2-Sa	**9/12/20**	4.1
3-Su	**9/13/20**	4.4
3-M	**9/14/20**	3.3
3-T	**9/15/20**	2.6
3-W	**9/16/20**	2.6
3-Th	**9/17/20**	2.3
3-F	**9/18/20**	3.4
3-Sa	**9/19/20**	2.8
4-Su	**9/20/20**	2.7
4-M	**9/21/20**	3.4
4-T	**9/22/20**	3.3
4-W	**9/23/20**	2.8
4-Th	**9/24/20**	2.0
4-F	**9/25/20**	2.4
4-Sa	**9/26/20**	2.4
5-Su	**9/27/20**	3.5
5-M	**9/28/20**	2.8
5-T	**9/29/20**	3.5
5-W	**9/30/20**	3.9
Minimum		
Maximum		4.4
		BM: <= 25 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature **Date**

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1748597 - 11/13/2020 10:16:56 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Friday November 13 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

mx5Y5bHhbZAPToGPwDeUHxASUCftqNvpiAkSISwgbAp+vwSZ2TKy/RzSdLNChU
+4tXXBNmgerVUUOtzlIUqJ0JIWMWwCI2qMLnJkELXK5oU=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:**

Monitoring Period: 10/01/2020 - 10/31/2020 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno[1,2,3-cd]pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz[a,h]anthracene [1,2,5,6-dibenzanthracene] Micrograms/L (ug/L) Weekly Grab	Benz[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-Th	**10/1/20**											
1-F	**10/2/20**	<0.0996	<0.0996	<0.0996	<0.0996	0.532	1.98	<2.0*	4.01	<0.00753	<2.5*	7.57
1-Sa	**10/3/20**											
2-Su	**10/4/20**											
2-M	**10/5/20**	<0.0996	<0.0996	<0.0996	<0.0996	<0.455	<0.0140	<0.614	<0.160	0.0150	12.4	1.55
3-M	**10/12/20**											
3-T	**10/13/20**											
3-Th	**10/15/20**	<0.0996	<0.0996	<0.0996	<0.0996	<0.455	0.0435	1.36	0.160	<0.00753	4.31	2.98
4-Th	**10/22/20**	<0.0996	<0.0996	<0.0996	<0.0996	<0.455	<0.0140	1.40	<0.160	<0.00753	2.58	0.957
5-Su	**10/25/20**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						0.532	1.98	2	4.01	0.015	12.4	7.57
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Outfall: 1 - Existing storm system E Marginal Wy S

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
1	Copper Total Micrograms/L (ug/L)	10/2/2020	B|<2.0	value reported is from a retest. Initial sample yielded an anomalous result.
1	Zinc Total Micrograms/L (ug/L)	10/2/2020	B|<2.5	value reported is from a retest. Initial sample yielded an anomalous result.

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Straw Wattles
1		Temporary Sediment Pond

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	TEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-Th	10/1/20											
1-F	10/2/20	M	<1.0	74	<7.24	<0.0996	<0.0996	<0.0996	<0.0996	<0.0996	<0.00812	<0.00979
1-Sa	10/3/20											
2-Su	10/4/20											
2-M	10/5/20	M	<1.0	69.9	39.3	0.0292	<0.0996	<0.0996	<0.0996	<0.0996	<0.00812	<0.00979
3-M	10/12/20											
3-T	10/13/20	C										
3-Th	10/15/20	M	<1.0	231.2	<7.24	0.343	<0.0996	<0.0996	<0.0996	<0.0996	<0.00812	<0.00979
4-Th	10/22/20	M	<1.0	237.8	<7.24	<0.0996	<0.0996	<0.0996	0.0589	<0.0996	0.0544	0.0765
5-Su	10/25/20	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2016 - 303(d)
1-Th	**10/1/20**											6.9
1-F	**10/2/20**	<0.997	<0.0379	0.0491	0.166	0.225	<0.996	<0.124	0.513	<0.0613	<0.016	6.93
1-Sa	**10/3/20**											6.93
2-Su	**10/4/20**											6.91
2-M	**10/5/20**	<0.997	<0.0379	0.0382	0.0944	0.130	<0.996	<0.126	4.67	<0.0613	<0.016	6.84
3-M	**10/12/20**											7.71
3-T	**10/13/20**											
3-Th	**10/15/20**	<0.0187	<0.0379	<0.0996	<0.0996	0.169	<0.0996	<0.124	0.515	<0.0613	<0.016	8.01
4-Th	**10/22/20**	<0.0189	<0.0379	0.0396	0.0415	0.131	0.0439	<0.126	<0.176	<0.0613	<0.016	6.87
5-Su	**10/25/20**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.84
												>= 6.5 (RO)
Maximum												8.01
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2016 >=5 acres
1-Th	10/1/20	6.9
1-F	10/2/20	3.0
1-Sa	10/3/20	3.1
2-Su	10/4/20	3.9
2-M	10/5/20	3.2
3-M	10/12/20	2.9
3-T	10/13/20	
3-Th	10/15/20	2.5
4-Th	10/22/20	1.7
5-Su	10/25/20	C
Minimum		
Maximum		6.9
		BM: <= 25 (RO)

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz	11/13/2020 10:17:00 AM
Signature	**Date**

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1752253 - 12/15/2020 8:00:13 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Tuesday December 15 2020

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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y7NYyu/9/maaW6vmwtGq2fYj1W3s
+KsI5EAdjS87+o3iD9mLVRihrehwtZ9G0sVTXGKZuaKBW8XWvF7cEoRH3YKbHdqQWzm3/Y2K8EYIStY=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:**

Monitoring Period: 11/01/2020 - 11/30/2020 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-T	**11/3/20**	<0.00702	<0.00270	<0.0286	<0.0315	<0.455	<0.0144	1.14	<0.160	0.02	4.22	2.57
2-F	**11/13/20**	<0.00702	<0.00270	<0.0286	<0.0315	<0.455	<0.0144	2.64	<0.160	<0.00753	2.10	1.39
3-M	**11/16/20**	<0.00702	<0.00270	<0.0286	<0.0315	<0.455	<0.0144	9.37	<0.160	<0.00753	2.89	3.41
3-T	**11/17/20**											
3-Th	**11/19/20**											
3-F	**11/20/20**											
4-Su	**11/22/20**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**11/29/20**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						0.455	0.0144	9.37	0.16	0.02	4.22	3.41
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

12/15/2020 8:00:13 AM
Date

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	STEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(g,h,i)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-T	**11/3/20**	482	<0.173	215	<7.24	0.300	<0.0317	<0.0196	<.0296	<0.0273	0.0120	0.0178
2-F	**11/13/20**	62.1	<0.173	198	<7.24	<0.0105	<0.0317	<0.0196	<.0296	<0.0273	<0.00816	<0.00816
3-M	**11/16/20**	50.1	<0.173	391	<7.24	<0.0105	<0.0317	<0.0196	<.0296	<0.0273	<0.00816	<0.00816
3-T	**11/17/20**											
3-Th	**11/19/20**											
3-F	**11/20/20**											
4-Su	**11/22/20**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**11/29/20**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	ethyl phthalate Micrograms/L (ug/L) Weekly Grab	Axyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	is(2-Ethylhexyl) phthalate Micrograms/L (ug/L) Weekly Grab	imethyl phthalate Micrograms/L (ug/L) Weekly Grab	-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	inoroform Micrograms/L (ug/L) Weekly Grab	,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	CBs [polychlorinated biphenyls] otal Micrograms/L (ug/L) Weekly Grab	H Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2016 - 303(d)
1-T	**11/3/20**	<0.0189	<0.0379	0.0415	<0.00919	0.171	0.0515	<0.125	3.29	<0.0613	<.0015	7.2
2-F	**11/13/20**	<0.0189	<0.0379	<0.0380	<0.00919	0.222	0.0114	<0.125	<0.176	<0.0613	0.00263	8.19
3-M	**11/16/20**	<0.0189	<0.0379	<0.0380	<0.00919	0.199	<.00886	<0.125	<0.176	<0.0613	<.0015	8.13
3-T	**11/17/20**											8.21
3-Th	**11/19/20**											7.92
3-F	**11/20/20**											8.02
4-Su	**11/22/20**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**11/29/20**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.2
												>= 6.5 (RO)
Maximum												8.21
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2016 >=5 acres
1-T	11/3/20	1.4
2-F	11/13/20	1.2
3-M	11/16/20	3.5
3-T	11/17/20	1.0
3-Th	11/19/20	2.1
3-F	11/20/20	1.8
4-Su	11/22/20	C
5-Su	11/29/20	C
Minimum		
Maximum		3.5
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1756876 - 1/15/2021 1:36:11 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Friday January 15 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



MojZuzlVR/5YpcdqcsXSx6E/1batVfZ
+rbWNtT2N7OOe8Uk1f7/3ESQLRJGZY2VCk3iloKq3f2UoPZNJaWBRfMFH1b8RcS0RaUezaEOb/Eo=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:**

Monitoring Period: 12/01/2020 - 12/31/2020 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz[a,h]anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-T	**12/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-M	**12/7/20**	<.00704	<.00271	<.0287	<.0316	1.11	<.0140	2.26	<.160	.0120	<.475	1.03
3-W	**12/16/20**	<.00704	<.00271	<.0287	<.0316	<.455	.0185	1.90	<.160	<.00753	1.33	2.36
3-Th	**12/17/20**											
4-M	**12/21/20**											
4-T	**12/22/20**											
4-W	**12/23/20**	<.00704	<.00271	<.0287	<.0316	<.455	<.0140	7.42	.422	<.00753	5.17	3.06
5-W	**12/30/20**	<.00704	<.00271	<.0287	<.0316	<.455	.0245	3.94	<.160	<.00753	0.475	3.25
5-Th	**12/31/20**											
Minimum												
Maximum						1.11	0.0245	7.42	0.422	0.012	5.17	3.25
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

1/15/2021 1:36:16 PM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-T	**12/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-M	**12/7/20**	M	<.0747	384	<7.24	<.0106	<.0318	<.0196	<0.0297	<.0273	<.00812	<.00977
3-W	**12/16/20**	M	<.0747	348.7	8.55	<.0106	<.0318	<.0196	<0.0297	<.0273	<.00812	<.00977
3-Th	**12/17/20**											
4-M	**12/21/20**											
4-T	**12/22/20**											
4-W	**12/23/20**	M	<.0747	222	<7.24	<.0106	<.0318	<.0196	<0.0297	<.0273	<.00812	<.00977
5-W	**12/30/20**	M	<.0747	399.3	<7.24	<.0106	<.0318	<.0196	<0.0297	<.0273	<.00812	<.00977
5-Th	**12/31/20**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Methyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chlordane Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2016 - 303(d)**
1-T	**12/1/20**	C	C	C	C	C	C	C	C	C	C	C
2-M	**12/7/20**	<.0189	<.0379	<.0377	<.00921	.170	<.00862	<.125	<.176	<.0613	<0.00108	7.8
3-W	**12/16/20**	<.0189	<.0379	<.0377	.159	.241	.0323	<.125	24.4	<.0613	<0.00108	7.86
3-Th	**12/17/20**											8.1
4-M	**12/21/20**											7.83
4-T	**12/22/20**											7.73
4-W	**12/23/20**	<.0189	<.0379	<.0377	.0226	.0991	<.00862	<.125	5.73	<.0613	<0.00108	7.72
5-W	**12/30/20**	<.0189	<.0379	<.0377	<.00921	.251	<.00861	<.125	27.4	<.0613	<0.00108	7.51
5-Th	**12/31/20**											7.66
Minimum												7.51
												>= 6.5 (RO)
Maximum												8.1
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2016 >=5 acres
1-T	12/1/20	C
2-M	12/7/20	4.3
3-W	12/16/20	4.9
3-Th	12/17/20	1.0
4-M	12/21/20	3.9
4-T	12/22/20	2.1
4-W	12/23/20	1.3
5-W	12/30/20	1.9
5-Th	12/31/20	0.9
Minimum		
Maximum		4.9
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1761343 - 2/15/2021 1:24:20 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Monday February 15 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

Qqsz2qE3sJwQtnwCU/Zuyxzx/dreImC
+WxJaDDlUo3PPL3eacbuu8WXnMFQUJJJWKhUvlekbzz0hxMnh3bWAyAHB5UoxzjKFVMTKQoi0M7s=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 01/01/2021 - 01/31/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-F	**1/1/21**											
1-Sa	**1/2/21**											
2-Su	**1/3/21**											
2-M	**1/4/21**											
2-T	**1/5/21**											
2-W	**1/6/21**											
2-Th	**1/7/21**	<0.00708	<0.00272	<0.0289	<0.0317	1.84	0.0180	9.66	<0.160	0.014	1.5	8.02
2-F	**1/8/21**											
3-M	**1/11/21**											
3-T	**1/12/21**	<0.00708	<0.00272	<0.0289	<0.0317	2.58	0.0425	15.2	<0.160	0.0270	1.54	13.3
3-W	**1/13/21**											
3-Th	**1/14/21**											
4-M	**1/18/21**											
4-Th	**1/21/21**	<0.00708	<0.00272	<0.0289	<0.0317	3.88	0.639	3.76	<0.160	0.270	0.911	2.68
5-F	**1/29/21**	<0.00708	<0.00272	<0.0289	<0.0317	2.44	<0.0140	0.656	<0.160	<0.00753	1.97	1.87
6-Su	**1/31/21**											
Minimum												
Maximum						3.88	0.639	15.2	0.16	0.27	1.97	13.3
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

2/15/2021 1:24:29 PM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-F	**1/1/21**											
1-Sa	**1/2/21**											
2-Su	**1/3/21**											
2-M	**1/4/21**											
2-T	**1/5/21**											
2-W	**1/6/21**											
2-Th	**1/7/21**	M	<0.0912	536	<7.24	<0.0106	<0.0320	<0.0197	<0.0298	<0.0275	<0.00815	<0.00983
2-F	**1/8/21**											
3-M	**1/11/21**											
3-T	**1/12/21**	M	<0.0912	490	<7.24	<0.0106	<0.0320	<0.0197	<0.0298	<0.0275	<0.00815	<0.00983
3-W	**1/13/21**											
3-Th	**1/14/21**											
4-M	**1/18/21**											
4-Th	**1/21/21**	M	<0.0912	9.34	<7.24	<0.0106	<0.0320	<0.0197	<0.0298	<0.0275	<0.00815	<0.00983
5-F	**1/29/21**	M	<0.0912	<37.3	<7.24	<0.0106	<0.0320	<0.0197	<0.0298	<0.0275	<0.00815	<0.00983
6-Su	**1/31/21**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2021 - 303(d)
1-F	**1/1/21**											7.79
1-Sa	**1/2/21**											8.0
2-Su	**1/3/21**											7.78
2-M	**1/4/21**											8.08
2-T	**1/5/21**											7.81
2-W	**1/6/21**											7.74
2-Th	**1/7/21**	<0.0190	<0.0379	<0.0380	<0.00926	0.370	<0.00867	<0.126	1.68	<0.0613	<0.00106	7.75
2-F	**1/8/21**											7.39
3-M	**1/11/21**											7.13
3-T	**1/12/21**	<0.0190	<0.0379	<0.0380	<0.00926	0.324	<0.00867	<0.126	10.6	<0.0613	<0.00106	7.81
3-W	**1/13/21**											7.96
3-Th	**1/14/21**											7.82
4-M	**1/18/21**											6.8
4-Th	**1/21/21**	<0.0190	<0.0379	<0.0380	<0.00926	0.645	<0.00867	<0.126	<0.176	<0.0613	<0.00106	6.77
5-F	**1/29/21**	<0.0190	<0.0379	<0.0380	<0.00926	0.567	<0.00867	<0.126	<0.176	<0.0613	<0.00106	6.76
6-Su	**1/31/21**											6.81
Minimum												6.76
												>= 6.5 (RO)
Maximum												8.08
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity [NTU] Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	**1/1/21**	1.1
1-Sa	**1/2/21**	1.3
2-Su	**1/3/21**	4.4
2-M	**1/4/21**	4.0
2-T	**1/5/21**	4.8
2-W	**1/6/21**	5.0
2-Th	**1/7/21**	1.7
2-F	**1/8/21**	2.3
3-M	**1/11/21**	1.7
3-T	**1/12/21**	2.4
3-W	**1/13/21**	2.8
3-Th	**1/14/21**	3.4
4-M	**1/18/21**	5.2
4-Th	**1/21/21**	5.1
5-F	**1/29/21**	0.9
6-Su	**1/31/21**	0.4
Minimum		
Maximum		5.2
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1764685 - 3/15/2021 4:12:09 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Monday March 15 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



hBOprH5ZOgTQvQjWTmiTuODvBQMyrgMSYl6HePGLu0a4YQprO0vLXLi9CzfvZBrmeXo0IINsdKOt7M0KHHPbuqOmgg
VeEkWano1gQFfKfh0=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 02/01/2021 - 02/28/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno[1,2,3-cd]pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz[a,h]anthracene [1,2,5,6-dibenzanthracene] Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-T	**2/2/21**	<0.00706	<0.00272	<0.0288	<0.0317	0.731	<0.0140	1.47	<0.160	0.0380	1.86	1.25
1-W	**2/3/21**											
1-F	**2/5/21**											
2-Su	**2/7/21**	C	C	C	C	C	C	C	C	C	C	C
3-T	**2/16/21**	<0.00706	<0.00272	<0.0288	<0.0317	7.33	0.0720	1.96	<0.160	<0.0351	2.59	2.13
3-W	**2/17/21**											
3-F	**2/19/21**											
4-M	**2/22/21**	<0.00706	<0.00272	<0.0288	<0.0317	1.70	0.0385	3.48	0.160	<0.0351	3.30	4.09
4-T	**2/23/21**											
4-F	**2/26/21**											
4-Sa	**2/27/21**											
5-Su	**2/28/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						7.33	0.072	3.48	0.16	0.038	3.3	4.09
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Straw Wattles
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

3/15/2021 4:12:18 PM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-T	**2/2/21**	M	<0.0688	<28.2	<7.24	<0.0106	<0.0319	<0.0197	<0.0297	<0.0274	<0.00980	<0.00980
1-W	**2/3/21**											
1-F	**2/5/21**											
2-Su	**2/7/21**	C	C	C	C	C	C	C	C	C	C	C
3-T	**2/16/21**	M	<0.0688	<28.2	<7.24	<0.0106	<0.0319	<0.0197	<0.0297	<0.0274	<0.00980	<0.00980
3-W	**2/17/21**											
3-F	**2/19/21**											
4-M	**2/22/21**	M	<0.0688	<28.2	<7.24	<0.0106	<0.0319	<0.0197	<0.0297	<0.0274	<0.00980	<0.00980
4-T	**2/23/21**											
4-F	**2/26/21**											
4-Sa	**2/27/21**											
5-Su	**2/28/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	ethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	imethyl phthalate Micrograms/L (ug/L) Weekly Grab	-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	hloroform Micrograms/L (ug/L) Weekly Grab	2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	CBs (polychlorinated biphenyls) otal Micrograms/L (ug/L) Weekly Grab	H Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-T	**2/2/21**	<0.0109	<0.0379	<0.0379	<0.00923	0.488	<0.00865	<0.126	<0.176	<0.0613	<0.00106	7.56
1-W	**2/3/21**											7.88
1-F	**2/5/21**											6.89
2-Su	**2/7/21**	C	C	C	C	C	C	C	C	C	C	C
3-T	**2/16/21**	<0.0109	<0.0379	<0.0379	<0.00923	0.157	<0.00865	<0.126	<0.176	<0.0613	<0.00106	6.92
3-W	**2/17/21**											7.21
3-F	**2/19/21**											6.78
4-M	**2/22/21**	<0.0109	<0.0379	<0.0379	0.0395	0.222	<0.00865	<0.126	<0.176	<0.0613	<0.00106	6.68
4-T	**2/23/21**											6.65
4-F	**2/26/21**											6.84
4-Sa	**2/27/21**											7.12
5-Su	**2/28/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.65
												>= 6.5 (RO)
Maximum												7.88
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-T	2/2/21	0.9
1-W	2/3/21	2.8
1-F	2/5/21	1.2
2-Su	2/7/21	C
3-T	2/16/21	1.7
3-W	2/17/21	1.3
3-F	2/19/21	5.0
4-M	2/22/21	0.9
4-T	2/23/21	0.7
4-F	2/26/21	1.9
4-Sa	2/27/21	1.7
5-Su	2/28/21	C
Minimum		
Maximum		5
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1768223 - 4/15/2021 12:50:01 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Thursday April 15 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

vMwTpCI1ddNx5VjPU84d6NTjBG+1V1Ob4vCjm
+JuacLKmqLyGg3UvjYNr9maZRziPgb/cOlonIi6t3yXcghrgoiGlKL30PMbBTWrtibDhNI=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 03/01/2021 - 03/31/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-M	**3/1/21**											
1-T	**3/2/21**											
1-Th	**3/4/21**											
1-F	**3/5/21**	<0.00706	<0.00272	<0.0288	<0.0317	0.626	<0.0140	1.02	<0.160	<0.0351	1.66	1.18
1-Sa	**3/6/21**											
2-Su	**3/7/21**											
2-M	**3/8/21**											
2-T	**3/9/21**	<0.00706	<0.00272	<0.0288	<0.0317	0.702	<0.0140	1.74	<0.160	<0.0351	<0.475	<0.408
2-F	**3/12/21**											
2-Sa	**3/13/21**											
3-Su	**3/14/21**											
3-M	**3/15/21**											
3-T	**3/16/21**	<0.00706	<0.00272	<0.0288	<0.0317	4.29	0.620	3.20	0.564	<0.0351	4.68	5.44
3-W	**3/17/21**											
3-Th	**3/18/21**											
3-F	**3/19/21**											
3-Sa	**3/20/21**											
4-Su	**3/21/21**											
4-M	**3/22/21**											
4-T	**3/23/21**	<0.00706	<0.00272	<0.0288	<0.0317	0.664	0.0565	2.50	<0.160	0.0740	11.2	7.48
4-W	**3/24/21**											
4-Th	**3/25/21**											
4-F	**3/26/21**											
4-Sa	**3/27/21**											
5-Su	**3/28/21**											
5-M	**3/29/21**											
5-T	**3/30/21**											
5-W	**3/31/21**	<0.00706	<0.00272	<0.0288	<0.0317	0.876	<0.0140	1.10	<0.160	<0.0351	2.21	3.10
Minimum												
Maximum						4.29	0.62	3.2	0.564	0.074	11.2	7.48
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, M - Monitoring Is Conditional/Not Req This MP

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-M	**3/1/21**											
1-T	**3/2/21**											
1-Th	**3/4/21**											
1-F	**3/5/21**	M	<0.173	<28.5	<7.24	<0.0106	<0.0319	<0.0197	<0.0298	<0.0274	<0.00813	<0.00981
1-Sa	**3/6/21**											
2-Su	**3/7/21**											
2-M	**3/8/21**											
2-T	**3/9/21**	M	<0.173	<28.5	<7.24	<0.0106	<0.0319	<0.0197	<0.0298	<0.0274	<0.00813	<0.00981
2-F	**3/12/21**											
2-Sa	**3/13/21**											
3-Su	**3/14/21**											
3-M	**3/15/21**											
3-T	**3/16/21**	M	<0.173	<28.5	<7.24	<0.0106	<0.0319	<0.0197	<0.0298	<0.0274	<0.00813	<0.00981
3-W	**3/17/21**											
3-Th	**3/18/21**											
3-F	**3/19/21**											
3-Sa	**3/20/21**											
4-Su	**3/21/21**											
4-M	**3/22/21**											
4-T	**3/23/21**	M	<0.173	<28.5	<7.24	<0.0106	<0.0319	<0.0197	<0.0298	<0.0274	<0.00813	<0.00981
4-W	**3/24/21**											
4-Th	**3/25/21**											
4-F	**3/26/21**											
4-Sa	**3/27/21**											
5-Su	**3/28/21**											
5-M	**3/29/21**											
5-T	**3/30/21**											
5-W	**3/31/21**	M	<0.173	<28.5	<7.24	<0.0106	<0.0319	<0.0197	<0.0298	<0.0274	<0.00813	<0.00981
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2021 - 303(d)
1-M	**3/1/21**											7.04
1-T	**3/2/21**											7.01
1-Th	**3/4/21**											6.82
1-F	**3/5/21**	<0.0260	<0.0379	<0.0379	<0.00924	0.136	0.102	<0.0747	<0.176	<0.0613	<0.00985	6.88
1-Sa	**3/6/21**											6.90
2-Su	**3/7/21**											6.80
2-M	**3/8/21**											6.85
2-T	**3/9/21**	<0.0260	<0.0379	<0.0379	0.0230	1.27	0.0851	<0.0747	<0.176	<0.0613	<0.00985	6.69
2-F	**3/12/21**											7.36
2-Sa	**3/13/21**											7.01
3-Su	**3/14/21**											6.77
3-M	**3/15/21**											6.77
3-T	**3/16/21**	<0.0260	<0.0379	<0.0379	<0.00924	0.140	<0.00866	<0.0747	<0.176	<0.0613	<0.00985	6.89
3-W	**3/17/21**											6.91
3-Th	**3/18/21**											6.90
3-F	**3/19/21**											6.89
3-Sa	**3/20/21**											6.92
4-Su	**3/21/21**											6.89
4-M	**3/22/21**											6.92
4-T	**3/23/21**	<0.0260	<0.0379	<0.0379	0.0176	0.0959	<0.00866	<0.0747	<0.176	<0.0613	<0.00985	6.89
4-W	**3/24/21**											7.17
4-Th	**3/25/21**											6.98
4-F	**3/26/21**											7.11
4-Sa	**3/27/21**											7.13
5-Su	**3/28/21**											7.39
5-M	**3/29/21**											7.22
5-T	**3/30/21**											7.29
5-W	**3/31/21**	<0.0260	<0.0379	<0.0379	<0.00924	0.183	0.0828	<0.0747	<0.176	<0.0613	<0.00985	7.31
Minimum												6.69
												>= 6.5 (RO)
Maximum												7.39
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-M	**3/1/21**	0.6
1-T	**3/2/21**	0.5
1-Th	**3/4/21**	2.3
1-F	**3/5/21**	3.3
1-Sa	**3/6/21**	4.2
2-Su	**3/7/21**	4.3
2-M	**3/8/21**	3.5
2-T	**3/9/21**	3.5
2-F	**3/12/21**	2.2
2-Sa	**3/13/21**	3.8
3-Su	**3/14/21**	5.0
3-M	**3/15/21**	4.6
3-T	**3/16/21**	4.5
3-W	**3/17/21**	3.5
3-Th	**3/18/21**	3.1
3-F	**3/19/21**	2.9
3-Sa	**3/20/21**	4.2
4-Su	**3/21/21**	4.3
4-M	**3/22/21**	5.2
4-T	**3/23/21**	5.4
4-W	**3/24/21**	5.8
4-Th	**3/25/21**	5.5
4-F	**3/26/21**	6.5
4-Sa	**3/27/21**	6.3
5-Su	**3/28/21**	4.8
5-M	**3/29/21**	4.7
5-T	**3/30/21**	5.0
5-W	**3/31/21**	5.2
Minimum		
Maximum		6.5
		BM: <= 25 (RO)

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Straw Wattles
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

4/15/2021 12:49:58 PM — **Date**

Washington Department of Ecology
Electronic Submission Cover Letter

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1772630 - 5/14/2021 1:27:12 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Friday May 14 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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mXzdK9WR9ANPaQX3Tu2Wxtjf5STDVMuKQiM4s7YNkg2nRew2fXPogyI47UNHQi6WwEgBrkRA8+gqF+a78dLwgYvlfxgoPxRTXjig3vOfTNk=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 04/01/2021 - 04/30/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**4/1/21**											
1-F	**4/2/21**											
1-Sa	**4/3/21**											
2-Su	**4/4/21**											
2-M	**4/5/21**											
2-T	**4/6/21**											
2-W	**4/7/21**											
2-Th	**4/8/21**											
2-F	**4/9/21**	>0.00991	>0.00991	>0.00991	>0.00991	0.540	0.0170	>0.614	>0.160	>0.0351	2.67	3.21
2-Sa	**4/10/21**											
3-Su	**4/11/21**											
3-M	**4/12/21**	>0.00991	>0.00991	>0.00991	>0.00991	>0.455	0.0810	>0.614	>0.160	>0.0351	31.4	0.960
3-T	**4/13/21**											
3-W	**4/14/21**											
3-Th	**4/15/21**											
4-Su	**4/18/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/25/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						0.54	0.081	0.614	0.16	0.0351	31.4	3.21
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge, H - Greater Than, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Straw Wattles
1		Temporary Sediment Pond

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Th	**4/1/21**											
1-F	**4/2/21**											
1-Sa	**4/3/21**											
2-Su	**4/4/21**											
2-M	**4/5/21**											
2-T	**4/6/21**											
2-W	**4/7/21**											
2-Th	**4/8/21**											
2-F	**4/9/21**	M	>0.143	>28.1	>21.6	>0.00991	>0.00991	>0.00991	>0.00991	>0.00991	>0.00991	>0.00991
2-Sa	**4/10/21**											
3-Su	**4/11/21**											
3-M	**4/12/21**	M	>0.143	>28.1	>21.6	>0.00991	>0.00991	>0.00991	>0.00991	>0.00991	>0.00991	>0.00991
3-T	**4/13/21**											
3-W	**4/14/21**											
3-Th	**4/15/21**											
4-Su	**4/18/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/25/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**4/1/21**											7.32
1-F	**4/2/21**											7.27
1-Sa	**4/3/21**											7.18
2-Su	**4/4/21**											7.17
2-M	**4/5/21**											7.12
2-T	**4/6/21**											7.13
2-W	**4/7/21**											7.22
2-Th	**4/8/21**											7.19
2-F	**4/9/21**	>0.00991	>0.173	>0.0539	>0.192	>0.343	>0.428	>0.0745	>0.173	>0.138	>0.00982	7.19
2-Sa	**4/10/21**											7.19
3-Su	**4/11/21**											7.12
3-M	**4/12/21**	>0.00991	>0.173	>0.0539	>0.192	>0.343	>0.428	>0.0745	>0.173	>0.138	>0.00982	7.13
3-T	**4/13/21**											7.09
3-W	**4/14/21**											7.07
3-Th	**4/15/21**											7.03
4-Su	**4/18/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/25/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.03
												>= 6.5 (RO)
Maximum												7.32
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	**4/1/21**	3.0
1-F	**4/2/21**	3.8
1-Sa	**4/3/21**	4.2
2-Su	**4/4/21**	4.1
2-M	**4/5/21**	3.0
2-T	**4/6/21**	3.1
2-W	**4/7/21**	4.1
2-Th	**4/8/21**	4.3
2-F	**4/9/21**	4.5
2-Sa	**4/10/21**	5.0
3-Su	**4/11/21**	3.2
3-M	**4/12/21**	3.9
3-T	**4/13/21**	3.6
3-W	**4/14/21**	3.8
3-Th	**4/15/21**	4.5
4-Su	**4/18/21**	C
5-Su	**4/25/21**	C
Minimum		
Maximum		5
		BM: <= 25 (RO)

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz

Signature

5/14/2021 1:27:17 PM

Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1776547 - 6/15/2021 8:05:08 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Tuesday June 15 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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QtwB8hgVk7CzH/kS7wIMeSfPgcUni3hqqEOuchKANqhQkKUdjzLDKgv3Fnc7SfdWdhF9FHb1HVVgmYVN4bbUDFh4jca5
CE2I1Dx+/90zIOQ=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 05/01/2021 - 05/31/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Sa	**5/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/2/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/9/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/16/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/23/21**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**5/30/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

6/15/2021 8:05:07 AM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Sa	**5/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/2/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/9/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/16/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/23/21**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**5/30/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Sa	**5/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/2/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/9/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/16/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/23/21**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**5/30/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Sa	5/1/21	C
2-Su	5/2/21	C
3-Su	5/9/21	C
4-Su	5/16/21	C
5-Su	5/23/21	C
6-Su	5/30/21	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1779881 - 7/12/2021 1:03:48 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Monday July 12 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

2FH++npd8yyNjjbQH
+iqARFADkqmCg2+vbJKqagnclnmSDloeRgQXUKcvzOPNKg7OwJ9LrxJauGie4QF4Hn3gIJoqLDtgi6aluCoU3LqTas=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 06/01/2021 - 06/30/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene [1,2,5,6-d]benzanthracene] Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**6/3/21**	<0.00993	<0.00993	<0.00993	<0.00993	0.864	<0.0140	3.02	<0.160	<0.0351	2.41	0.911
1-F	**6/4/21**											
2-Su	**6/6/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/13/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/20/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/27/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						0.864	0.014	3.02	0.16	0.0351	2.41	0.911
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

7/12/2021 1:03:58 PM
Date

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-Th	6/3/21	M	<0.143	59.4	<21.6	<0.00993	<0.00993	<0.00993	<0.00993	<0.00993	<0.00993	<0.00993
1-F	6/4/21											
2-Su	6/6/21	C	C	C	C	C	C	C	C	C	C	C
3-Su	6/13/21	C	C	C	C	C	C	C	C	C	C	C
4-Su	6/20/21	C	C	C	C	C	C	C	C	C	C	C
5-Su	6/27/21	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs [polychlorinated biphenyls] Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**6/3/21**	<0.0747	<0.173	0.0569	<0.192	<0.344	<0.429	<0.0747	<0.173	<0.138	<0.009933	6.80
1-F	**6/4/21**											6.68
2-Su	**6/6/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/13/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/20/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/27/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.68
												>= 6.5 (RO)
Maximum												6.8
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	**6/3/21**	5.5
1-F	**6/4/21**	2.0
2-Su	**6/6/21**	C
3-Su	**6/13/21**	C
4-Su	**6/20/21**	C
5-Su	**6/27/21**	C
Minimum		
Maximum		5.5
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1785952 - 8/12/2021 2:20:08 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Thursday August 12 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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K82XdNiwDss/i/S2jwIBQMTax3pqHfsK9NyjBDlNy4YthIw4zwH5BoMo6nzR0yP/grOUblknFa5Mnr6yBs8hNGqai6QghHBeNmrSB3YY+yE=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 07/01/2021 - 07/31/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Benzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**7/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/4/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/11/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/18/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/25/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Silt Fence
	2	Temporary Sediment Pond
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

8/12/2021 2:20:07 PM
Date

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-Th	7/1/21	C	C	C	C	C	C	C	C	C	C	C
2-Su	7/4/21	C	C	C	C	C	C	C	C	C	C	C
3-Su	7/11/21	C	C	C	C	C	C	C	C	C	C	C
4-Su	7/18/21	C	C	C	C	C	C	C	C	C	C	C
5-Su	7/25/21	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**7/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/4/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/11/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/18/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/25/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
												>= 6.5 (RO)
Maximum												
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity [NTU] Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	7/1/21	C
2-Su	7/4/21	C
3-Su	7/11/21	C
4-Su	7/18/21	C
5-Su	7/25/21	C
Minimum		
Maximum		
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1789518 - 9/15/2021 10:13:08 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Wednesday September 15 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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FsycbralyzjDjL2YGl8YdJ1mE9n0vEbMVBvYnBV08hg6VM4El0z5SVVMW2mNDStNu1dX0j4EQTSf/X734X0Pxp
+VATqby5+qlaB+s5ES8kU=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 08/01/2021 - 08/31/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Su	**8/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/8/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/15/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/22/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/29/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

9/15/2021 10:13:07 AM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Su	**8/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/8/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/15/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/22/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/29/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Su	**8/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/8/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/15/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/22/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/29/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
												>= 6.5 (RO)
Maximum												
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Su	8/1/21	C
2-Su	8/8/21	C
3-Su	8/15/21	C
4-Su	8/22/21	C
5-Su	8/29/21	C
Minimum		
Maximum		
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1791377 - 10/7/2021 7:54:45 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Thursday October 7 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

bCZGj
+xAyz6WN/OVgu8Zn/mfXlfappszL8efIj7VahcRHpv7aGLTHMlVfu9vwAmejopns3cn90+AyXaPymh2Z7iMHCVqrRIGdUG
RkOAJ2nQ=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 09/01/2021 - 09/30/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-W	**9/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/5/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/12/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/19/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/26/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Silt Fence
	5	Temporary Sediment Pond

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Elayn Schultz — **Signature**

10/7/2021 7:54:44 AM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-W	**9/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/5/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/12/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/19/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/26/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	ethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	is(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	imethyl phthalate Micrograms/L (ug/L) Weekly Grab	-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Noroform Micrograms/L (ug/L) Weekly Grab	,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	CBs [polychlorinated biphenyls] Total Micrograms/L (ug/L) Weekly Grab	H Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2021 - 303(d)
1-W	**9/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/5/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/12/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/19/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/26/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	9/1/21	C
2-Su	9/5/21	C
3-Su	9/12/21	C
4-Su	9/19/21	C
5-Su	9/26/21	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1799081 - 11/17/2021 12:49:42 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Wednesday November 17 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

ijcM9MllQNn4fdlQvMeLyK0ji3LzcCr58AKtn+HSyBnx3bcm/R/0s5z
+ijLwtR850bcY9hamxFlRH2eiFhKOVOs1+kuKjHVeiercOdAQyF4=

Washington State Department of Ecology — Discharge Monitoring Report (DMR)

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 10/01/2021 - 10/31/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno[1,2,3-cd]pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo[a,h]anthracene [1,2,5,6-dibenzanthracene] Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-F	**10/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/3/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/10/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/17/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/24/21**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**10/31/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Silt Fence
	5	Temporary Sediment Pond
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

11/17/2021 12:49:40 PM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-F	**10/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/3/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/10/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/17/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/24/21**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**10/31/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-F	**10/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/3/21**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/10/21**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/17/21**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/24/21**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**10/31/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	10/1/21	C
2-Su	10/3/21	C
3-Su	10/10/21	C
4-Su	10/17/21	C
5-Su	10/24/21	C
6-Su	10/31/21	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1801482 - 12/14/2021 11:33:59 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Tuesday December 14 2021

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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3kzwPGbOemJDDgoXRaoT0dJl+95Er1kh0CDRW57xRs7UJNJqDATLCA7rPvO0SmN
+RCZJD2aq0DhpHBofoL7A80smD0Sz74djBOf6gjGqS34=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 11/01/2021 - 11/30/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 2

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-M	**11/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/7/21**	C	C	C	C	C	C	C	C	C	C	C
3-F	**11/19/21**	<.00994	<.00994	<.00994	<.00994	5.66	0.0111	<2	<.5	<0.1	<2.5	0.366
4-M	**11/22/21**	M	M	M	M	M	M	M	M	M	M	M
4-T	**11/23/21**											
5-M	**11/29/21**	<0.00989	<0.00989	<0.00989	<0.00989	5.31	0.0159	3.67	<0.5	<0.1	1.74	3.54
5-T	**11/30/21**											
Minimum												
Maximum						5.66	0.0159	3.67	0.5	0.1	2.5	3.54
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

Overall DMR Notes/Comment

performance sample for the 11/22 taken on 11/19

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

12/14/2021 11:33:57 AM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-M	**11/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/7/21**	C	C	C	C	C	C	C	C	C	C	C
3-F	**11/19/21**	M	<0.4	172	<50	<.00994	<.00994	<.00994	0.0386	<.00994	<.00994	<.00994
4-M	**11/22/21**	M	M	M	M	M	M	M	M	M	M	M
4-T	**11/23/21**											
5-M	**11/29/21**	M	<1	182	<50	0.0341	<0.00989	<0.00989	0.0280	<0.00989	<0.00989	<0.00989
5-T	**11/30/21**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-M	**11/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/7/21**	C	C	C	C	C	C	C	C	C	C	C
3-F	**11/19/21**	<.00994	<0.5	<0.398	<0.994	<0.994	<0.994	<0.298	<0.5	<0.5	B|0.00998	7.58
4-M	**11/22/21**	M	M	M	M	M	M	M	M	M	M	7.56
4-T	**11/23/21**											7.87
5-M	**11/29/21**	0.0989	<.5	<0.396	<0.989	<0.989	<0.989	<0.297	<.5	<.5	<.00988	7.78
5-T	**11/30/21**											7.70
Minimum												7.56
												>= 6.5 (RO)
Maximum												7.87
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-M	**11/1/21**	C
2-Su	**11/7/21**	C
3-F	**11/19/21**	4.8
4-M	**11/22/21**	3.4
4-T	**11/23/21**	3.0
5-M	**11/29/21**	2.5
5-T	**11/30/21**	6.4
Minimum		
Maximum		6.4
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1804399 - 1/11/2022 2:28:56 PM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Tuesday January 11 2022

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



AmznUE1j3qZZEJ4+WX67jtMrqxSYLbqVZ/8ZZReKnGs1lwNKXe9kifml7dMH+Rzfew2aWyajuL5HwmWP+k1Jnma6od+H9QeV//r7Df2+gno=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 12/01/2021 - 12/31/2021 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-W	**12/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-M	**12/6/21**											
2-T	**12/7/21**	<0.0099	<0.0099	<0.0099	<0.0099	3.95	0.017	3.6	0.253	<0.0351	2.15	2.12
2-W	**12/8/21**											
3-Su	**12/12/21**	C	C	C	C	C	C	C	C	C	C	C
4-T	**12/21/21**	<0.0103	<0.0103	<0.0103	<0.0103	4.59	0.0257	4.56	0.256	<0.351	4.06	3.04
4-W	**12/22/21**											
4-Th	**12/23/21**											
5-Su	**12/26/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						4.59	0.0257	4.56	0.256	0.351	4.06	3.04
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

1/11/2022 2:28:54 PM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(g,h,i)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**12/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-M	**12/6/21**											
2-T	**12/7/21**	M	<0.4	121	<21.6	<0.0099	<0.0099	<0.0099	0.0122	<0.0099	<0.0099	<0.0099
2-W	**12/8/21**											
3-Su	**12/12/21**	C	C	C	C	C	C	C	C	C	C	C
4-T	**12/21/21**	M	<0.143	204	<21.6	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.010	<0.010
4-W	**12/22/21**											
4-Th	**12/23/21**											
5-Su	**12/26/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	ethyl phthalate Micrograms/L (ug/L) Weekly Grab	kyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	is(2-Ethylhexyl) phthalate Micrograms/L (ug/L) Weekly Grab	imethyl phthalate Micrograms/L (ug/L) Weekly Grab	-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	CBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2021 - 303(d)
1-W	**12/1/21**	C	C	C	C	C	C	C	C	C	C	C
2-M	**12/6/21**											7.59
2-T	**12/7/21**	<0.0261	<0.173	0.0544	<0.193	0.747	<0.432	<0.0751	<0.173	<0.138	<0.00994	7.62
2-W	**12/8/21**											7.84
3-Su	**12/12/21**	C	C	C	C	C	C	C	C	C	C	C
4-T	**12/21/21**	<0.0772	<0.173	<0.0559	<0.199	<0.355	<0.444	<0.0772	<0.173	<0.138	<0.00994	7.42
4-W	**12/22/21**											7.41
4-Th	**12/23/21**											7.61
5-Su	**12/26/21**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.41
												>= 6.5 (RO)
Maximum												7.84
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	**12/1/21**	C
2-M	**12/6/21**	3.9
2-T	**12/7/21**	3.7
2-W	**12/8/21**	5.7
3-Su	**12/12/21**	C
4-T	**12/21/21**	7.1
4-W	**12/22/21**	7.5
4-Th	**12/23/21**	8.1
5-Su	**12/26/21**	C
Minimum		
Maximum		8.1
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1809482 - 2/11/2022 9:13:06 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Friday February 11 2022

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



C62QUoVOQEWymRYVHcqUkODRgEszES1QeNvKDAfR9cltaRv4NlWNekvF5V77D5o8MZJRTJpm1+WwSKkYZ9ShbOm
VmR5AMSUXnf2n1oLpXnM=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 01/01/2022 - 01/31/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz(a,h)anthracene [1,2,5,6-Dibenzanthracene] Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-Sa	1/1/22	C	C	C	C	C	C	C	C	C	C	C
2-T	1/4/22	<0.0201	<0.0201	<0.0201	<0.0201	3.13	0.0225	3.52	0.397	<0.0351	3.41	2.91
2-W	1/5/22											
2-Th	1/6/22											
2-F	1/7/22											
2-Sa	1/8/22											
3-Su	1/9/22											
3-M	1/10/22	<0.010	<0.010	<0.010	<0.010	2.83	0.0217	2.89	<0.142	<0.131	2.42	2.81
3-T	1/11/22											
3-W	1/12/22											
3-Th	1/13/22											
3-F	1/14/22											
3-Sa	1/15/22											
4-Su	1/16/22											
4-M	1/17/22	<0.010	<0.010	<0.010	<0.010	2.75	0.0224	3.20	0.204	<0.0351	2.14	2.41
4-T	1/18/22											
4-W	1/19/22											
4-Th	1/20/22											
4-F	1/21/22											
5-Su	1/23/22	C	C	C	C	C	C	C	C	C	C	C
6-M	1/31/22											
Minimum												
Maximum						3.13	0.0225	3.52	0.397	0.131	3.41	2.91
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylenes) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(g,h,i)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Sa	**1/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-T	**1/4/22**	M	<0.394	365	<21.6	<0.0201	<0.0201	<0.0201	0.0213	<0.0201	<0.01	<0.01
2-W	**1/5/22**											
2-Th	**1/6/22**											
2-F	**1/7/22**											
2-Sa	**1/8/22**											
3-Su	**1/9/22**											
3-M	**1/10/22**	M	<0.394	<76.7	<21.6	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3-T	**1/11/22**											
3-W	**1/12/22**											
3-Th	**1/13/22**											
3-F	**1/14/22**											
3-Sa	**1/15/22**											
4-Su	**1/16/22**											
4-M	**1/17/22**	M	<0.394	240	<21.6	<0.010	<0.010	<0.010	<0.010	<0.010	<0.00968	<0.00968
4-T	**1/18/22**											
4-W	**1/19/22**											
4-Th	**1/20/22**											
4-F	**1/21/22**											
5-Su	**1/23/22**	C	C	C	C	C	C	C	C	C	C	C
6-M	**1/31/22**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2021 - 303(d)
1-Sa	**1/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-T	**1/4/22**	<0.0526	<0.173	<0.109	<0.389	<0.695	<0.868	<0.151	<0.173	<0.138	<0.00933	7.13
2-W	**1/5/22**											7.67
2-Th	**1/6/22**											7.56
2-F	**1/7/22**											7.53
2-Sa	**1/8/22**											7.45
3-Su	**1/9/22**											7.54
3-M	**1/10/22**	<0.0284	<0.173	<0.059	<0.210	<0.375	<0.468	<0.0815	<0.173	<0.138	<0.01	7.39
3-T	**1/11/22**											7.41
3-W	**1/12/22**											7.45
3-Th	**1/13/22**											7.43
3-F	**1/14/22**											7.47
3-Sa	**1/15/22**											7.61
4-Su	**1/16/22**											7.41
4-M	**1/17/22**	<0.0281	<0.173	<0.0585	<0.208	<0.372	<0.465	<0.0809	<0.173	<0.138	<0.010	7.53
4-T	**1/18/22**											7.55
4-W	**1/19/22**											7.54
4-Th	**1/20/22**											7.5
4-F	**1/21/22**											7.09
5-Su	**1/23/22**	C	C	C	C	C	C	C	C	C	C	C
6-M	**1/31/22**											7.53
Minimum												7.09
												>= 6.5 (RO)
Maximum												7.67
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Sa	**1/1/22**	C
2-T	**1/4/22**	6.2
2-W	**1/5/22**	2.5
2-Th	**1/6/22**	2.3
2-F	**1/7/22**	4.2
2-Sa	**1/8/22**	2.8
3-Su	**1/9/22**	4.8
3-M	**1/10/22**	4.1
3-T	**1/11/22**	4.2
3-W	**1/12/22**	3.9
3-Th	**1/13/22**	5.9
3-F	**1/14/22**	4.2
3-Sa	**1/15/22**	5.5
4-Su	**1/16/22**	5.6
4-M	**1/17/22**	5.1
4-T	**1/18/22**	3.0
4-W	**1/19/22**	3.3
4-Th	**1/20/22**	4.8
4-F	**1/21/22**	5.2
5-Su	**1/23/22**	C
6-M	**1/31/22**	5.5
Minimum		
Maximum		6.2
		BM: <= 25 (RO)

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

2/11/2022 9:13:04 AM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1813871 - 3/15/2022 11:37:57 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Tuesday March 15 2022

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

NdBbPHvQN7cy6HmRWR6UORJAHb9qBN
+Ebr6XIjgdjjRBHL6ne8pb2X//O5182UE8IZqjts9u8ZYXSYzAU6BRILFhS6arIfqpQLQqhkj/sHc=

SC Uploaded 3/16/22

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 02/01/2022 - 02/28/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno[1,2,3-cd]pyrene Micrograms/L (ug/L) Weekly Grab	Dibenz[a,h]anthracene [1,2,5,6-dibenzanthracene] Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-T	**2/1/22**											
1-F	**2/4/22**	<0.00996	<0.00996	<0.00996	<0.00996	1.72	0.0183	2.64	<0.142	<0.0351	2.11	1.46
2-Su	**2/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**2/13/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**2/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-M	**2/28/22**	<0.00878	<0.00878	<0.00878	<0.00878	1.38	<0.00954	2.94	0.309	<0.0351	3.78	2.83
Minimum												
Maximum						1.72	0.0183	2.94	0.309	0.0351	3.78	2.83
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz — **Signature**

3/15/2022 11:37:55 AM — **Date**

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx)(semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx)(volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(g,h,i)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-T	**2/1/22**											
1-F	**2/4/22**	M	<0.394	<164	<21.6	<0.00996	<0.00996	<0.00996	0.0126	<0.00996	<0.00996	<0.00996
2-Su	**2/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**2/13/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**2/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-M	**2/28/22**	M	<0.394	576	<21.6	<0.00878	<0.00878	<0.00878	<0.00878	<0.00878	<0.00878	<0.00878
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs [polychlorinated biphenyls] Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-T	**2/1/22**											7.32
1-F	**2/4/22**	<0.0261	<0.173	<0.0542	<0.193	<0.345	<0.430	<0.0749	<0.173	<0.138	<0.01	7.54
2-Su	**2/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**2/13/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**2/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-M	**2/28/22**	<0.0230	<0.173	<0.0478	<0.170	<0.304	<0.380	<0.0661	<0.173	<0.138	<0.01	7.58
Minimum												7.32
												>= 6.5 (RO)
Maximum												7.58
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-T	**2/1/22**	4.6
1-F	**2/4/22**	5.5
2-Su	**2/6/22**	C
3-Su	**2/13/22**	C
4-Su	**2/20/22**	C
5-M	**2/28/22**	6.9
Minimum		
Maximum		6.9
		BM: <= 25 (RO)

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# WAR308823 - DMR Submission Id: 1817956 - 4/15/2022 8:03:58 AM

Company Name	Signer Name	System Name
JR Hayes Corp.	Elayn Schultz	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for JR Hayes Corp.	Copy of Record JRHayesCorp. Friday April 15 2022

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

i13JrMGWJtzZ2RphilkEf4RF92E/cfQNQj3fnPn2RAfvHdWQmVJiJXYXrGAERsftLlqGv5Wf3tFa1ae14nOkabkeBwfEk
+r4zrk6kGfiTGw==

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 03/01/2022 - 03/31/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-T	**3/1/22**											
1-W	**3/2/22**											
1-Th	**3/3/22**											
1-F	**3/4/22**											
2-Su	**3/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-M	**3/14/22**	<0.00798	<0.00798	<0.00798	<0.00798	1.51	0.0125	2.85	<0.142	<0.0351	1.66	3.05
4-Su	**3/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**3/27/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						1.51	0.0125	2.85	0.142	0.0351	1.66	3.05
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

4/15/2022 8:03:56 AM
Date

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene + toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-T	3/1/22											
1-W	3/2/22											
1-Th	3/3/22											
1-F	3/4/22											
2-Su	3/6/22	C	C	C	C	C	C	C	C	C	C	C
3-M	3/14/22	M	<0.395	408	<21.6	<0.00798	<0.00798	<0.00798	0.00887	<0.00798	<0.00798	<0.00798
4-Su	3/20/22	C	C	C	C	C	C	C	C	C	C	C
5-Su	3/27/22	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2021 - 303(d)
1-T	**3/1/22**											7.48
1-W	**3/2/22**											7.53
1-Th	**3/3/22**											7.72
1-F	**3/4/22**											7.79
2-Su	**3/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-M	**3/14/22**	<0.0209	<0.173	<0.0434	<0.155	<0.276	<0.345	<0.06	<0.173	<0.138	<0.00986	7.35
4-Su	**3/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**3/27/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.35
												>= 6.5 (RO)
Maximum												7.79
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-T	3/1/22	6.3
1-W	3/2/22	5.7
1-Th	3/3/22	4.8
1-F	3/4/22	2.9
2-Su	3/6/22	C
3-M	3/14/22	1.3
4-Su	3/20/22	C
5-Su	3/27/22	C
Minimum		
Maximum		6.3
		BM: <= 25 (RO)

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 05/01/2022 - 05/31/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-F	**5/6/22**	<0.00844	<0.00844	<0.00844	<0.00844	2.23	.0208	.992	1.13	<0.351	6.68	.355
1-Sa	**5/7/22**											
2-Su	**5/8/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/15/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/22/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/29/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						2.23	0.0208	0.992	1.13	0.351	6.68	0.355
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence
1		Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

6/17/2022 7:02:54 AM
Date

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-F	**5/6/22**	M	<0.394	152	39.3	<0.00844	<0.00844	<0.00844	<0.00844	<0.00844	<0.00844	<0.00844
1-Sa	**5/7/22**											
2-Su	**5/8/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/15/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/22/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/29/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-F	**5/6/22**	<0.173	M	<0.365	<0.163	<0.292	<0.459	M	<0.173	<0.138	<0.00954	7.48
1-Sa	**5/7/22**											7.47
2-Su	**5/8/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/15/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/22/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/29/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.47
												>= 6.5 (RO)
Maximum												7.48
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	**5/6/22**	6.6
1-Sa	**5/7/22**	7.5
2-Su	**5/8/22**	C
3-Su	**5/15/22**	C
4-Su	**5/22/22**	C
5-Su	**5/29/22**	C
Minimum		
Maximum		7.5
		BM: <= 25 (RO)

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 06/01/2022 - 06/30/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-W	**6/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/5/22**	C	C	C	C	C	C	C	C	C	C	C
3-M	**6/13/22**	.00873	.00873	.00873	.00873	1.79	.0308	.945	.534	.286	6.74	3.85
3-F	**6/17/22**											
4-Su	**6/19/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/26/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						1.79	0.0308	0.945	0.534	0.286	6.74	3.85
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**6/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/5/22**	C	C	C	C	C	C	C	C	C	C	C
3-M	**6/13/22**	M	0.394	60.4	30.6	.00873	.00873	.00873	.0153	.00873	.00873	.00873
3-F	**6/17/22**											
4-Su	**6/19/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/26/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-W	**6/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/5/22**	C	C	C	C	C	C	C	C	C	C	C
3-M	**6/13/22**	.0228	.173	.0475	.169	.302	.377	.0657	.173	.138	<.00949	7.37
3-F	**6/17/22**											7.28
4-Su	**6/19/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/26/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.28
												>= 6.5 (RO)
Maximum												7.37
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	**6/1/22**	C
2-Su	**6/5/22**	C
3-M	**6/13/22**	2.3
3-F	**6/17/22**	4.6
4-Su	**6/19/22**	C
5-Su	**6/26/22**	C
Minimum		
Maximum		4.6
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

7/14/2022 1:28:18 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 07/01/2022 - 07/31/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Carcinogenic PAH	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals	Admin Order #18101 Metals
1-F	7/1/22	C	C	C	C	C	C	C	C	C	C	C
2-Su	7/3/22	C	C	C	C	C	C	C	C	C	C	C
3-Su	7/10/22	C	C	C	C	C	C	C	C	C	C	C
4-Su	7/17/22	C	C	C	C	C	C	C	C	C	C	C
5-Su	7/24/22	C	C	C	C	C	C	C	C	C	C	C
6-Su	7/31/22	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

There no discharges from site during this reporting period.

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-F	**7/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/3/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/10/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/17/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/24/22**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**7/31/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-F	**7/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/3/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/10/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/17/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/24/22**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**7/31/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	7/1/22	C
2-Su	7/3/22	C
3-Su	7/10/22	C
4-Su	7/17/22	C
5-Su	7/24/22	C
6-Su	7/31/22	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond
	6	Construction Stormwater Chemical Treatment
	6	Other
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

8/9/2022 11:18:03 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 08/01/2022 - 08/31/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-M	**8/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/7/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/14/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/21/22**	C	C	C	C	C	C	C	C	C	C	C
5-T	**8/30/22**	B|11.1	B|7.5	B|23.4	B|7.5	2.42	0.0352	0.341	B|210	B|1.8	240	0.414
5-W	**8/31/22**											
Minimum												
Maximum						2.42	0.0352	0.341	210	1.8	240	0.414
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

Overall DMR Notes/Comment

This DMR was submitted late due Lab delays beyond the control of the project team. For any further information, please contact Neil Robbins neil.robbins@clearwaterservices.com

BMPs

Monitoring Point	Week	BMP
1		Construction Stormwater Chemical Treatment
1		Other
1		Silt Fence

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

9/22/2022 7:34:07 AM
Date

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-M	**8/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/7/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/14/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/21/22**	C	C	C	C	C	C	C	C	C	C	C
5-T	**8/30/22**	292	B|2.0	B|250	B|250	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|0.01
5-W	**8/31/22**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-M	**8/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/7/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/14/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/21/22**	C	C	C	C	C	C	C	C	C	C	C
5-T	**8/30/22**	B|7.6	17.6	B|5.7	B|7.5	0.471	B|4.8	B|2.0	B|4.8	B|1.0	B|0.016	7.03
5-W	**8/31/22**											7.45
Minimum												7.03
												>= 6.5 (RO)
Maximum												7.45
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-M	8/1/22	C
2-Su	8/7/22	C
3-Su	8/14/22	C
4-Su	8/21/22	C
5-T	8/30/22	4.9
5-W	8/31/22	5.7
Minimum		
Maximum		5.7
		BM: <= 25 (RO)

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 09/01/2022 - 09/30/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**9/1/22**											
1-F	**9/2/22**											
2-Su	**9/4/22**											
2-T	**9/6/22**	B|11.1	B|7.5	B|23.4	B|7.5	3.79	B|42	.909	.241	B|1.8	61	1.24
2-W	**9/7/22**											
3-Su	**9/11/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/18/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/25/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						3.79	B|42	.909	.241	B|1.8	61	1.24
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo[ghi]perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-Th	**9/1/22**											
1-F	**9/2/22**											
2-Su	**9/4/22**											
2-T	**9/6/22**	227	B|2	B|250	B|250	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|0.01
2-W	**9/7/22**											
3-Su	**9/11/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/18/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/25/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**9/1/22**											7.70
1-F	**9/2/22**											7.74
2-Su	**9/4/22**											
2-T	**9/6/22**	B|7.6	B|17.6	B|5.7	B|4.8	B|7.5	B|4.8	B|2.0	B|4.8	B|1.0	B|.016	7.47
2-W	**9/7/22**											7.38
3-Su	**9/11/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/18/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/25/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.67
												>= 6.5 (RO)
Maximum												7.74
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	**9/1/22**	9.4
1-F	**9/2/22**	7.4
2-Su	**9/4/22**	
2-T	**9/6/22**	10
2-W	**9/7/22**	9.9
3-Su	**9/11/22**	C
4-Su	**9/18/22**	C
5-Su	**9/25/22**	C
Minimum		
Maximum		10
		BM: <= 25 (RO)

	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

10/17/2022 12:45:01 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 10/01/2022 - 10/31/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Sa	**10/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/2/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/9/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/16/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/23/22**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**10/30/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-Sa	**10/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/2/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/9/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/16/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/23/22**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**10/30/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Sa	**10/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/2/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/9/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/16/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/23/22**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**10/30/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Sa	**10/1/22**	C
2-Su	**10/2/22**	C
3-Su	**10/9/22**	C
4-Su	**10/16/22**	C
5-Su	**10/23/22**	C
6-Su	**10/30/22**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond
	6	Construction Stormwater Chemical Treatment
	6	Other
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

11/16/2022 9:24:35 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 11/01/2022 - 11/30/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-T	**11/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**11/13/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**11/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**11/27/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-T	**11/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**11/13/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**11/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**11/27/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-T	**11/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/6/22**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**11/13/22**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**11/20/22**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**11/27/22**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-T	**11/1/22**	C
2-Su	**11/6/22**	C
3-Su	**11/13/22**	C
4-Su	**11/20/22**	C
5-Su	**11/27/22**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

12/16/2022 8:59:02 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 12/01/2022 - 12/31/2022 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**12/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-W	**12/7/22**	B|11.1	B|7.5	B|23.4	B|7.5	1.32	0.0120	2.36	0.109	B|1.8	13.2	0.704
2-Th	**12/8/22**											
3-M	**12/12/22**	B|11.1	B|7.5	B|23.4	B|7.5	1.31	B|42	1.32	B|210	B|1.8	4.48	0.956
3-T	**12/13/22**											
3-W	**12/14/22**											
3-Th	**12/15/22**											
4-Su	**12/18/22**	C	C	C	C	C	C	C	C	C	C	C
5-T	**12/27/22**	B|11.1	B|7.5	B|23.4	B|7.5	1.20	B|42	B|4.8	B|210	B|1.8	5.03	0.637
5-W	**12/28/22**											
5-Th	**12/29/22**											
5-F	**12/30/22**											
5-Sa	**12/31/22**											
Minimum												
Maximum						1.32	42	4.8	210	1.8	13.2	0.956
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Th	**12/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-W	**12/7/22**	35.8	B|2.0	B|250	B|250	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|0.01
2-Th	**12/8/22**											
3-M	**12/12/22**	2.37	B|2.0	B|250	B|250	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|0.01
3-T	**12/13/22**											
3-W	**12/14/22**											
3-Th	**12/15/22**											
4-Su	**12/18/22**	C	C	C	C	C	C	C	C	C	C	C
5-T	**12/27/22**	3.27	B|2.0	B|250	24	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|0.01
5-W	**12/28/22**											
5-Th	**12/29/22**											
5-F	**12/30/22**											
5-Sa	**12/31/22**											
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**12/1/22**	C	C	C	C	C	C	C	C	C	C	C
2-W	**12/7/22**	B|7.6	B|17.6	B|5.7	B|7.5	B|7.5	B|4.8	B|2.0	B|4.8	B|1.0	B|0.016	6.91
2-Th	**12/8/22**											7.56
3-M	**12/12/22**	B|7.6	B|17.6	B|5.7	B|7.5	B|7.5	B|4.8	B|2.0	B|4.8	B|1.0	B|0.016	7.74
3-T	**12/13/22**											7.57
3-W	**12/14/22**											8.02
3-Th	**12/15/22**											7.75
4-Su	**12/18/22**	C	C	C	C	C	C	C	C	C	C	C
5-T	**12/27/22**	B|7.6	B|17.6	B|5.7	B|7.5	B|7.5	B|4.8	B|2.0	B|4.8	B|1.0	B|0.016	7.66
5-W	**12/28/22**											7.90
5-Th	**12/29/22**											7.89
5-F	**12/30/22**											7.74
5-Sa	**12/31/22**											7.80
Minimum												6.91
												>= 6.5 (RO)
Maximum												8.02
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	**12/1/22**	C
2-W	**12/7/22**	6.8
2-Th	**12/8/22**	7.2
3-M	**12/12/22**	2.3
3-T	**12/13/22**	2.2
3-W	**12/14/22**	1.1
3-Th	**12/15/22**	1.6
4-Su	**12/18/22**	C
5-T	**12/27/22**	9.0
5-W	**12/28/22**	1.0
5-Th	**12/29/22**	0.8
5-F	**12/30/22**	2.0
5-Sa	**12/31/22**	3.2
Minimum		
Maximum		9
		BM: <= 25 (RO)

	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

1/17/2023 3:18:22 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 01/01/2023 - 01/31/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-T	**1/3/23**	B|11.1	B|7.5	B|23.4	B|7.5	1.29	B|42	1.31	B|210	B|1.8	1.37	2.84
1-W	**1/4/23**											
1-F	**1/6/23**											
2-Su	**1/8/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**1/15/23**	C	C	C	C	C	C	C	C	C	C	C
4-W	**1/25/23**	B|11.1	B|7.5	B|23.4	B|7.5	1.19	0.00800	1.34	B|210	B|1.8	8.01	0.967
4-Th	**1/26/23**											
4-F	**1/27/23**											
5-Su	**1/29/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						1.29	0.00800	1.34	B|210	B|1.8	8.01	2.84
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-T	**1/3/23**	0.557	B|2.0	86.6	25.9	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|0.01
1-W	**1/4/23**											
1-F	**1/6/23**											
2-Su	**1/8/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**1/15/23**	C	C	C	C	C	C	C	C	C	C	C
4-W	**1/25/23**	21.5	B|2.0	B|250	B|250	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|0.01
4-Th	**1/26/23**											
4-F	**1/27/23**											
5-Su	**1/29/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-T	**1/3/23**	B|7.6	B|17.6	B|5.7	B|7.5	2.12	B|4.8	B|2.0	B|4.8	B|1.0	B|0.016	7.85
1-W	**1/4/23**											7.76
1-F	**1/6/23**											7.75
2-Su	**1/8/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**1/15/23**	C	C	C	C	C	C	C	C	C	C	C
4-W	**1/25/23**	B|7.6	B|17.6	B|5.7	B|7.5	B|7.5	B|4.8	B|2.0	B|4.8	B|1.0	B|0.016	8.08
4-Th	**1/26/23**											7.68
4-F	**1/27/23**											7.95
5-Su	**1/29/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.59
												>= 6.5 (RO)
Maximum												8.47
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-T	**1/3/23**	1.2
1-W	**1/4/23**	1.1
1-F	**1/6/23**	0.1
2-Su	**1/8/23**	C
3-Su	**1/15/23**	C
4-W	**1/25/23**	2.6
4-Th	**1/26/23**	2.3
4-F	**1/27/23**	1.9
5-Su	**1/29/23**	C
Minimum		
Maximum		2.6
		BM: <= 25 (RO)

	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

2/15/2023 12:57:39 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 02/01/2023 - 02/28/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-W	**2/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-T	**2/7/23**	B|11.1	B|7.5	B|23.4	B|7.5	1.64	0.01	2.76	B|210	B|1.8	7.83	2.4
2-W	**2/8/23**											
2-Th	**2/9/23**											
2-F	**2/10/23**											
2-Sa	**2/11/23**											
3-Su	**2/12/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**2/19/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**2/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						1.64	0.01	2.76	B|210	B|1.8	7.83	2.4
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**2/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-T	**2/7/23**	6.63	B|2.0	B|250	B|250	B|12.3	B|6.6	B|5.7	B|4.8	B|16.2	B|0.01	B|.01
2-W	**2/8/23**											
2-Th	**2/9/23**											
2-F	**2/10/23**											
2-Sa	**2/11/23**											
3-Su	**2/12/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**2/19/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**2/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-W	**2/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-T	**2/7/23**	B|7.6	B|17.6	B|5.7	B|7.5	B|7.5	B|4.8	B|2.0	B|4.8	B|1.0	B|0.016	7.79
2-W	**2/8/23**											7.56
2-Th	**2/9/23**											7.95
2-F	**2/10/23**											8.01
2-Sa	**2/11/23**											7.95
3-Su	**2/12/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**2/19/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**2/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.93
												>= 6.5 (RO)
Maximum												8.46
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	**2/1/23**	C
2-T	**2/7/23**	1.9
2-W	**2/8/23**	1.1
2-Th	**2/9/23**	2.3
2-F	**2/10/23**	8.2
2-Sa	**2/11/23**	5.1
3-Su	**2/12/23**	C
4-Su	**2/19/23**	C
5-Su	**2/26/23**	C
Minimum		
Maximum		8.2
		BM: <= 25 (RO)

	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

3/15/2023 2:20:40 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 03/01/2023 - 03/31/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-W	**3/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**3/5/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**3/12/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**3/19/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**3/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**3/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**3/5/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**3/12/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**3/19/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**3/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-W	**3/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**3/5/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**3/12/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**3/19/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**3/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	**3/1/23**	C
2-Su	**3/5/23**	C
3-Su	**3/12/23**	C
4-Su	**3/19/23**	C
5-Su	**3/26/23**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

4/17/2023 10:18:17 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 04/01/2023 - 04/30/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Sa	**4/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**4/2/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**4/9/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**4/16/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/23/23**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**4/30/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Sa	**4/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**4/2/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**4/9/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**4/16/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/23/23**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**4/30/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Sa	**4/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**4/2/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**4/9/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**4/16/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/23/23**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**4/30/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Sa	4/1/23	C
2-Su	4/2/23	C
3-Su	4/9/23	C
4-Su	4/16/23	C
5-Su	4/23/23	C
6-Su	4/30/23	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond
	6	Construction Stormwater Chemical Treatment
	6	Other
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

5/30/2023 2:31:55 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 05/01/2023 - 05/31/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-M	**5/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/7/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/14/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/21/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/28/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-M	**5/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/7/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/14/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/21/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/28/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-M	**5/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/7/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/14/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/21/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/28/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-M	**5/1/23**	C
2-Su	**5/7/23**	C
3-Su	**5/14/23**	C
4-Su	**5/21/23**	C
5-Su	**5/28/23**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

6/15/2023 3:22:06 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 06/01/2023 - 06/30/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**6/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/4/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/11/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/18/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/25/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Th	**6/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/4/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/11/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/18/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/25/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**6/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/4/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/11/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/18/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/25/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	**6/1/23**	C
2-Su	**6/4/23**	C
3-Su	**6/11/23**	C
4-Su	**6/18/23**	C
5-Su	**6/25/23**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Elayn Schultz
Signature

7/18/2023 12:43:58 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 07/01/2023 - 07/31/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 2

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Sa	**7/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/2/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/9/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/16/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/23/23**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**7/30/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Sa	**7/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/2/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/9/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/16/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/23/23**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**7/30/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Sa	**7/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/2/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/9/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/16/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/23/23**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**7/30/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Sa	**7/1/23**	C
2-Su	**7/2/23**	C
3-Su	**7/9/23**	C
4-Su	**7/16/23**	C
5-Su	**7/23/23**	C
6-Su	**7/30/23**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond
	6	Construction Stormwater Chemical Treatment
	6	Other
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

10/17/2023 4:18:40 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 08/01/2023 - 08/31/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-T	**8/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/6/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/13/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/20/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/27/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-T	**8/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/6/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/13/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/20/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/27/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-T	**8/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/6/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/13/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/20/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/27/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-T	**8/1/23**	C
2-Su	**8/6/23**	C
3-Su	**8/13/23**	C
4-Su	**8/20/23**	C
5-Su	**8/27/23**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

10/17/2023 4:35:50 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 09/01/2023 - 09/30/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-F	**9/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/3/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/10/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/17/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/24/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-F	**9/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/3/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/10/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/17/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/24/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-F	**9/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/3/23**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/10/23**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/17/23**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/24/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	9/1/23	C
2-Su	9/3/23	C
3-Su	9/10/23	C
4-Su	9/17/23	C
5-Su	9/24/23	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

10/17/2023 4:41:11 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 10/01/2023 - 10/31/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Su	**10/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/8/23**	C	C	C	C	C	C	C	C	C	C	C
3-F	**10/20/23**	<0.00864	<0.00864	<0.00864	<0.00864	6.91	0.0100	1.87	0.165	<0.1	23.3	0.396
4-Su	**10/22/23**											
4-M	**10/23/23**	<0.00868	<0.00868	<0.00868	<0.00868	3.54	0.006	2.93	<0.5	<0.10	12.1	1.81
4-Th	**10/26/23**											
4-F	**10/27/23**											
5-Su	**10/29/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						6.91	0.100	2.93	0.165	<0.10	23.3	1.81
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Su	**10/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/8/23**	C	C	C	C	C	C	C	C	C	C	C
3-F	**10/20/23**	81.3	<0.5	77.2	<50	<0.00864	<0.00864	<0.00864	<0.00864	<0.00864	<0.00864	<0.00864
4-Su	**10/22/23**											
4-M	**10/23/23**	38.9	<0.50	66.1	<50	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868
4-Th	**10/26/23**											
4-F	**10/27/23**											
5-Su	**10/29/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Su	**10/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/8/23**	C	C	C	C	C	C	C	C	C	C	C
3-F	**10/20/23**	<0.0864	<0.5	<0.864	<0.216	<0.864	<0.432	<0.259	<0.5	<0.5	<0.00946	7.79
4-Su	**10/22/23**											
4-M	**10/23/23**	<0.00868	<0.50	<0.868	<0.217	<0.868	<0.434	<0.260	<0.50	<0.50	<0.00943	8.07
4-Th	**10/26/23**											8.15
4-F	**10/27/23**											8.25
5-Su	**10/29/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.59
												>= 6.5 (RO)
Maximum												8.37
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Su	**10/1/23**	C
2-Su	**10/8/23**	C
3-F	**10/20/23**	2.7
4-Su	**10/22/23**	
4-M	**10/23/23**	1.8
4-Th	**10/26/23**	2.4
4-F	**10/27/23**	1.6
5-Su	**10/29/23**	C
Minimum		
Maximum		6.5
		BM: <= 25 (RO)

	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

11/15/2023 3:38:10 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 11/01/2023 - 11/30/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-W	**11/1/23**											
1-Th	**11/2/23**	<0.00869	<0.00869	<0.00869	<0.00869	5.16	0.0110	3.35	<0.500	<0.100	3.70	4.58
1-Sa	**11/4/23**											
2-Su	**11/5/23**											
2-M	**11/6/23**	<0.00862	<0.00862	<0.00862	<0.00862	5.64	0.0140	3.75	0.164	<0.100	3.05	4.85
2-F	**11/10/23**											
2-Sa	**11/11/23**											
3-Su	**11/12/23**											
3-M	**11/13/23**	<0.00874	<0.00874	<0.00874	<0.00874	5.45	0.0180	6.34	0.471	<0.100	3.06	4.72
4-Su	**11/19/23**											
4-W	**11/22/23**	<0.00880	<0.00880	<0.00880	<0.00880	4.55	0.00900	2.81	<0.500	<0.100	2.73	3.74
5-Su	**11/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						5.64	0.01810	6.34	0.471	<0.100	3.70	4.85
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**11/1/23**											
1-Th	**11/2/23**	1.03	<0.500	179	<50	<0.00869	<0.00869	<0.00869	<0.00869	<0.00869	<0.00869	<0.00869
1-Sa	**11/4/23**											
2-Su	**11/5/23**											
2-M	**11/6/23**	1.32	<0.500	147	<50	<0.00862	<0.00862	<0.00862	<0.00862	<0.00862	<0.00862	<0.00862
2-F	**11/10/23**											
2-Sa	**11/11/23**											
3-Su	**11/12/23**											
3-M	**11/13/23**	1.15	<0.500	200	24.3	<0.00874	<0.00874	<0.00874	B|0.00874	<0.00874	<0.00874	<0.00874
4-Su	**11/19/23**											
4-W	**11/22/23**	2.92	<0.500	219	54	<0.00880	<0.00880	<0.00880	<0.00880	<0.00880	<0.00880	<0.00880
5-Su	**11/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-W	**11/1/23**											
1-Th	**11/2/23**	<0.0869	<0.500	<0.869	<0.217	<0.869	<0.435	<0.261	<0.500	<0.500	<0.00948	8.01
1-Sa	**11/4/23**											8.17
2-Su	**11/5/23**											7.92
2-M	**11/6/23**	<0.0862	<0.500	<0.862	<0.216	<0.862	<0.431	<0.259	<0.500	<0.500	<0.00962	
2-F	**11/10/23**											7.98
2-Sa	**11/11/23**											7.76
3-Su	**11/12/23**											
3-M	**11/13/23**	<0.0874	<0.500	<0.874	<0.219	<0.874	<0.437	<0.262	<0.500	<0.500	<0.00942	7.85
4-Su	**11/19/23**											
4-W	**11/22/23**	<0.0880	<0.500	<0.880	<0.220	<0.880	<0.440	<0.264	<0.500	<0.500	<0.00959	7.78
5-Su	**11/26/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.88
												>= 6.5 (RO)
Maximum												8.40
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	**11/1/23**	
1-Th	**11/2/23**	25.3
1-Sa	**11/4/23**	21.9
2-Su	**11/5/23**	23.1
2-M	**11/6/23**	
2-F	**11/10/23**	22.4
2-Sa	**11/11/23**	22.2
3-Su	**11/12/23**	
3-M	**11/13/23**	22
4-Su	**11/19/23**	
4-W	**11/22/23**	15.7
5-Su	**11/26/23**	C
Minimum		
Maximum		43.3
		BM: <= 25 (RO)

	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

12/15/2023 11:06:39 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 12/01/2023 - 12/31/2023 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-F	**12/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**12/3/23**											
2-M	**12/4/23**	<0.00866	<0.00866	<0.00866	<0.00866	4.04	0.009	2.17	<0.50	<0.100	2.62	2.78
2-W	**12/6/23**											
2-Th	**12/7/23**											
2-F	**12/8/23**											
2-Sa	**12/9/23**											
3-Su	**12/10/23**											
3-M	**12/11/23**	<0.00872	<0.00872	<0.00872	<0.00872	1.13	<1.00	0.927	<0.500	<0.100	1.19	1.98
4-Su	**12/17/23**	C	C	C	C	C	C	C	C	C	C	C
5-T	**12/26/23**											
5-W	**12/27/23**	<0.00871	<0.00871	<0.00871	<0.00871	2.02	0.008	<2.00	<0.500	<0.100	3.21	4.16
5-F	**12/29/23**											
6-Su	**12/31/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						4.04	0.009	2.17	<0.500	<0.100	3.21	4.16
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-F	**12/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**12/3/23**											
2-M	**12/4/23**	1.01	<0.500	191	<50	<0.00866	<0.00866	<0.00866	<0.00866	<0.00866	<0.00866	<0.00866
2-W	**12/6/23**											
2-Th	**12/7/23**											
2-F	**12/8/23**											
2-Sa	**12/9/23**											
3-Su	**12/10/23**											
3-M	**12/11/23**	0.229	<0.500	<200	<50	<0.00872	<0.00872	<0.00872	0.0159	<0.00872	<0.00872	<0.00872
4-Su	**12/17/23**	C	C	C	C	C	C	C	C	C	C	C
5-T	**12/26/23**											
5-W	**12/27/23**	4.40	<1.00	121	<50.0	<0.00871	<0.00871	<0.00871	<0.00871	<0.00871	<0.00871	<0.00871
5-F	**12/29/23**											
6-Su	**12/31/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-F	**12/1/23**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**12/3/23**											8.17
2-M	**12/4/23**	<0.0866	<0.500	<0.866	<0.217	<0.866	<0.433	<0.260	<0.500	<0.500	<0.00940	8.10
2-W	**12/6/23**											8.18
2-Th	**12/7/23**											8.33
2-F	**12/8/23**											8.11
2-Sa	**12/9/23**											7.82
3-Su	**12/10/23**											7.97
3-M	**12/11/23**	<0.0872	<0.500	<0.436	<0.218	<0.872	<0.436	<0.262	<0.500	<0.500	<0.00950	8.12
4-Su	**12/17/23**	C	C	C	C	C	C	C	C	C	C	C
5-T	**12/26/23**											8.12
5-W	**12/27/23**	<0.0871	<0.500	<0.871	<0.218	<0.871	<0.436	<0.261	<0.500	0.171	<0.00949	8.11
5-F	**12/29/23**											8.09
6-Su	**12/31/23**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.23
												>= 6.5 (RO)
Maximum												8.45
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	**12/1/23**	C
2-Su	**12/3/23**	2.2
2-M	**12/4/23**	1.3
2-W	**12/6/23**	2.3
2-Th	**12/7/23**	5.2
2-F	**12/8/23**	0.9
2-Sa	**12/9/23**	0.5
3-Su	**12/10/23**	2.0
3-M	**12/11/23**	0.4
4-Su	**12/17/23**	C
5-T	**12/26/23**	1.1
5-W	**12/27/23**	2.3
5-F	**12/29/23**	6.1
6-Su	**12/31/23**	C
Minimum		
Maximum		8.2
		BM: <= 25 (RO)

	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	6	Construction Stormwater Chemical Treatment
	6	Other
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

1/15/2024 9:39:37 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 01/01/2024 - 01/31/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-M	**1/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-T	**1/9/24**	<0.00868	<0.00868	<0.00868	<0.00868	4.23	0.009	7.17	<0.500	<0.100	3.87	3.47
3-F	**1/19/24**	<0.00990	<0.00990	<0.00990	<0.00990	3.12	0.009	2.58	0.111	<0.100	11.7	3.01
4-Su	**1/21/24**											
4-M	**1/22/24**	<0.00993	<0.00993	<0.00993	<0.00993	7.72	0.0200	6.72	0.461	<0.100	4.29	5.05
5-Su	**1/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						7.72	0.0200	7.17	0.461	<0.100	11.7	5.05
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Sediment Trap
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo[ghi]perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-M	**1/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-T	**1/9/24**	2.59	<0.400	111	<50	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868
3-F	**1/19/24**	2.83	<0.400	115	<50	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
4-Su	**1/21/24**											
4-M	**1/22/24**	13.5	<0.400	312	<50	<0.00993	<0.00993	<0.00993	<0.00993	<0.00993	<0.00993	<0.00993
5-Su	**1/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-M	**1/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-T	**1/9/24**	<0.0868	<.500	<0.868	<0.217	<0.868	<0.434	<0.260	<0.500	<0.500	<0.00945	8.02
3-F	**1/19/24**	<0.0990	<0.500	<0.990	<0.247	<0.990	<0.495	<0.297	<0.500	<0.500	<0.00982	7.87
4-Su	**1/21/24**											
4-M	**1/22/24**	<0.0993	<0.500	<0.993	<0.248	<0.993	<0.496	<0.298	<0.500	<0.500	<0.00962	7.76
5-Su	**1/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												6.80
												>= 6.5 (RO)
Maximum												8.50
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-M	**1/1/24**	C
2-T	**1/9/24**	4.2
3-F	**1/19/24**	3.6
4-Su	**1/21/24**	
4-M	**1/22/24**	4.2
5-Su	**1/28/24**	C
Minimum		
Maximum		9.6
		BM: <= 25 (RO)

	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua — **Signature**

2/15/2024 6:00:28 PM — **Date**

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 02/01/2024 - 02/29/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**2/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-M	**2/5/24**	<0.00868	<0.00868	<0.00868	<0.00868	1.34	0.0150	0.438	<0.500	<0.100	<2.50	0.236
3-Su	**2/11/24**											
3-W	**2/14/24**	<0.00869	<0.00869	<0.00869	<0.00869	1.75	0.0120	0.815	<0.500	<0.100	0.357	0.357
4-Su	**2/18/24**											
4-W	**2/21/24**	<0.00940	<0.00940	<0.00940	<0.00940	2.03	<0.100	<2.00	0.167	<0.100	9.32	0.248
5-Su	**2/25/24**											
5-W	**2/28/24**	<0.00947	<0.00947	<0.00947	<0.00947	1.96	0.0140	0.837	<0.500	<0.100	7.74	0.759
Minimum												
Maximum						2.03	0.0150	0.837	0.167	<0.100	9.32	0.759
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Sediment Trap
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Metals	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Petroleum Hydrocarbons	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)	Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)
1-Th	**2/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-M	**2/5/24**	10.2	<0.440	191	<50	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868	<0.00868
3-Su	**2/11/24**											
3-W	**2/14/24**	35.8	<0.400	86.7	<50	<0.00869	<0.00869	<0.00869	<0.00869	<0.00869	<0.00869	<0.00869
4-Su	**2/18/24**											
4-W	**2/21/24**	28.4	<0.400	88.7	<50	<0.00940	<0.00940	<0.00940	<0.00940	<0.00940	<0.00940	<0.00940
5-Su	**2/25/24**											
5-W	**2/28/24**	44.7	<0.300	139	<50	<0.00947	<0.00947	<0.00947	<0.00947	<0.00947	<0.00947	<0.00947
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**2/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-M	**2/5/24**	<0.0868	<0.500	<0.868	<0.217	<0.868	<0.434	<0.261	<0.500	<0.500	<0.00999	7.89
3-Su	**2/11/24**											
3-W	**2/14/24**	<0.0869	<0.500	<0.869	<0.217	<0.869	<0.434	<0.261	<0.500	<0.500	<0.00931	7.98
4-Su	**2/18/24**											
4-W	**2/21/24**	<0.0940	<0.500	<0.940	<2.35	<0.940	<0.470	<0.282	<0.500	<0.500	<0.00957	7.74
5-Su	**2/25/24**											
5-W	**2/28/24**	<0.0947	<0.750	<0.947	<0.237	<0.947	<0.474	<0.284	<0.500	<0.500	<0.00940	8.22
Minimum												7.05
												>= 6.5 (RO)
Maximum												8.48
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	**2/1/24**	C
2-M	**2/5/24**	2.1
3-Su	**2/11/24**	
3-W	**2/14/24**	4.0
4-Su	**2/18/24**	
4-W	**2/21/24**	1.3
5-Su	**2/25/24**	
5-W	**2/28/24**	3.2
Minimum		
Maximum		9.6
		BM: <= 25 (RO)

	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

3/14/2024 7:34:20 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 03/01/2024 - 03/31/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-F	**3/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Th	**3/7/24**	<0.00870	<0.00870	<0.00870	<0.00870	2.35	0.0100	2.67	<0.500	<0.100	2.70	1.12
3-Su	**3/10/24**											
3-M	**3/11/24**	<0.00872	<0.00872	<0.00872	<0.00872	2.38	0.0210	0.933	<0.500	<0.100	4.24	0.361
4-Su	**3/17/24**											
4-F	**3/22/24**	<0.00988	<0.00988	<0.00988	<0.00988	2.37	0.0090	1.07	<0.500	<0.100	6.86	0.529
5-Su	**3/24/24**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**3/31/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						2.38	0.0210	2.67	<0.500	<0.100	6.86	1.12
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-F	**3/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Th	**3/7/24**	16.6	<0.500	111	<50.0	<0.00870	<0.00870	<0.00870	<0.00870	<0.00870	<0.00870	<0.00870
3-Su	**3/10/24**											
3-M	**3/11/24**	12.2	<0.500	63.7	<50.0	<0.00872	<0.00872	<0.00872	<0.00872	<0.00872	<0.00872	<0.00872
4-Su	**3/17/24**											
4-F	**3/22/24**	33.6	<0.500	65.4	<50.0	0.0109	<0.0988	<0.0988	B|0.0209	<0.0988	<0.00988	<0.00988
5-Su	**3/24/24**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**3/31/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Admin Order #18101 Volatile Organic Compounds	Adminstrative Order #18101 PCBs	Construction Stormwater General Permit 2021 - 303(d)
1-F	**3/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Th	**3/7/24**	<0.0870	<0.500	<0.870	<0.218	<0.870	<0.435	<0.261	<0.500	<0.500	<0.00940	8.12
3-Su	**3/10/24**											
3-M	**3/11/24**	<0.0872	<0.500	<0.436	<0.218	<0.872	<0.436	<0.262	<0.500	<0.500	<0.00931	7.81
4-Su	**3/17/24**											
4-F	**3/22/24**	<0.0988	<0.500	<0.988	<0.247	<0.988	<0.494	<0.296	<0.500	<0.500	<0.00948	7.65
5-Su	**3/24/24**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**3/31/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.65
												>= 6.5 (RO)
Maximum												8.12
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	**3/1/24**	C
2-Th	**3/7/24**	1.6
3-Su	**3/10/24**	
3-M	**3/11/24**	1.7
4-Su	**3/17/24**	
4-F	**3/22/24**	1.7
5-Su	**3/24/24**	C
6-Su	**3/31/24**	C
Minimum		
Maximum		1.7
		BM: <= 25 (RO)

	5	Other
	5	Silt Fence
	5	Temporary Sediment Pond
	6	Construction Stormwater Chemical Treatment
	6	Other
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

4/15/2024 5:23:24 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 04/01/2024 - 04/30/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**4/4/24**	<0.00877	<0.00877	<0.00877	<0.00877	2.41	<0.0500	<2.00	<0.300	<0.100	12.5	0.179
2-Su	**4/7/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**4/14/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**4/21/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						2.41	<0.0500	<2.00	<0.300	<0.100	12.5	0.179
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Th	**4/4/24**	26.4	<0.500	<237	<50.0	<0.00877	<0.00877	<0.00877	<0.00877	<0.00877	<0.00877	<0.00877
2-Su	**4/7/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**4/14/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**4/21/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**4/4/24**	<0.0702	<0.750	<0.877	<0.219	<0.877	<0.439	<0.0702	<0.500	<0.500	<0.00946	8.07
2-Su	**4/7/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**4/14/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**4/21/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**4/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												8.07
												>= 6.5 (RO)
Maximum												8.07
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	**4/4/24**	2.4
2-Su	**4/7/24**	C
3-Su	**4/14/24**	C
4-Su	**4/21/24**	C
5-Su	**4/28/24**	C
Minimum		
Maximum		2.4
		BM: <= 25 (RO)

	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

5/15/2024 2:53:51 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 05/01/2024 - 05/31/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-W	**5/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/5/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/12/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/19/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/26/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**5/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/5/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/12/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/19/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/26/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-W	**5/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**5/5/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**5/12/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**5/19/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**5/26/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	**5/1/24**	C
2-Su	**5/5/24**	C
3-Su	**5/12/24**	C
4-Su	**5/19/24**	C
5-Su	**5/26/24**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

6/14/2024 4:40:36 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 06/01/2024 - 06/30/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Sa	**6/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/2/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/9/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/16/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/23/24**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**6/30/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Sa	**6/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/2/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/9/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/16/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/23/24**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**6/30/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Sa	**6/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**6/2/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**6/9/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**6/16/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**6/23/24**	C	C	C	C	C	C	C	C	C	C	C
6-Su	**6/30/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Sa	6/1/24	C
2-Su	6/2/24	C
3-Su	6/9/24	C
4-Su	6/16/24	C
5-Su	6/23/24	C
6-Su	6/30/24	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond
	6	Construction Stormwater Chemical Treatment
	6	Other
	6	Silt Fence
	6	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

7/16/2024 1:41:35 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 07/01/2024 - 07/31/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-M	**7/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/7/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/14/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/21/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-M	**7/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/7/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/14/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/21/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-M	**7/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**7/7/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**7/14/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**7/21/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**7/28/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-M	7/1/24	C
2-Su	7/7/24	C
3-Su	7/14/24	C
4-Su	7/21/24	C
5-Su	7/28/24	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

8/15/2024 1:36:25 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 08/01/2024 - 08/31/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Th	**8/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/4/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/11/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/18/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/25/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Th	**8/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/4/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/11/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/18/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/25/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Th	**8/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**8/4/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**8/11/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**8/18/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**8/25/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Th	8/1/24	C
2-Su	8/4/24	C
3-Su	8/11/24	C
4-Su	8/18/24	C
5-Su	8/25/24	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

9/16/2024 8:13:34 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 09/01/2024 - 09/30/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Su	**9/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/8/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/15/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/22/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/29/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Su	**9/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/8/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/15/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/22/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/29/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Su	**9/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**9/8/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**9/15/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**9/22/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**9/29/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Su	9/1/24	C
2-Su	9/8/24	C
3-Su	9/15/24	C
4-Su	9/22/24	C
5-Su	9/29/24	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

10/14/2024 5:13:29 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 10/01/2024 - 10/31/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-T	**10/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/6/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/13/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/20/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/27/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-T	**10/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/6/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/13/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/20/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/27/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-T	**10/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**10/6/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**10/13/24**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**10/20/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**10/27/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-T	**10/1/24**	C
2-Su	**10/6/24**	C
3-Su	**10/13/24**	C
4-Su	**10/20/24**	C
5-Su	**10/27/24**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

11/1/2024 7:51:27 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 11/01/2024 - 11/30/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo(a)anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-F	**11/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/3/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**11/10/24**	C	C	C	C	C	C	C	C	C	C	C
4-W	**11/20/24**	<0.00994	<0.00994	<0.00994	<0.00994	2.82	0.0460	1.24	<0.300	<0.100	50.4	0.250
5-Su	**11/24/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						2.82	0.0460	1.24	<0.300	<0.100	50.4	0.250
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other
	5	Silt Fence

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-F	**11/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/3/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**11/10/24**	C	C	C	C	C	C	C	C	C	C	C
4-W	**11/20/24**	118	<0.500	<96.4	<50	<0.00994	<0.00994	<0.00994	<0.00994	<0.00994	<0.00994	<0.00994
5-Su	**11/24/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-F	**11/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**11/3/24**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**11/10/24**	C	C	C	C	C	C	C	C	C	C	C
4-W	**11/20/24**	<0.0497	<0.500	<0.994	<0.248	<0.994	<0.497	<0.0497	<0.500	<0.500	<0.00984	7.67
5-Su	**11/24/24**	C	C	C	C	C	C	C	C	C	C	C
Minimum												7.57
												>= 6.5 (RO)
Maximum												7.85
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-F	**11/1/24**	C
2-Su	**11/3/24**	C
3-Su	**11/10/24**	C
4-W	**11/20/24**	2.8
5-Su	**11/24/24**	C
Minimum		
Maximum		2.8
		BM: <= 25 (RO)

	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

12/16/2024 8:35:58 AM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 12/01/2024 - 12/31/2024 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-Su	**12/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**12/8/24**	C	C	C	C	C	C	C	C	C	C	C
3-W	**12/18/24**	<0.0159	<0.0159	<0.0159	<0.0159	1.68	<0.500	1.42	<0.300	<0.100	13.2	0.272
4-Su	**12/22/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**12/29/24**											
5-T	**12/31/24**	<0.0148	<0.0148	<0.0148	<0.0148	1.47	<0.05	<2.00	<.300	<0.100	10.1	0.261
Minimum												
Maximum						1.68	<0.50	1.42	<0.300	<0.100	13.2	0.272
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: B - Below Detection Limit/No Detection, C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-Su	**12/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**12/8/24**	C	C	C	C	C	C	C	C	C	C	C
3-W	**12/18/24**	43.6	<0.500	<99.8	<50	<0.0159	<0.0159	<0.0159	<0.0159	<0.01	<0.01	<0.01
4-Su	**12/22/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**12/29/24**											
5-T	**12/31/24**	28.7	<.500	<97	<50	<0.0148	<0.0148	<0.0148	<0.0148	<0.01	<0.01	<0.01
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-Su	**12/1/24**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**12/8/24**	C	C	C	C	C	C	C	C	C	C	C
3-W	**12/18/24**	<0.0796	<0.500	<0.796	<0.398	<1.59	<0.796	<0.0796	<0.500	<0.500	<0.00963	7.7
4-Su	**12/22/24**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**12/29/24**											
5-T	**12/31/24**	<0.0800	<0.500	<1.48	<0.370	<1.48	<0.741	<0.0800	<0.500	<0.500	0.0106	7.57
Minimum												7.57
												>= 6.5 (RO)
Maximum												7.7
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-Su	**12/1/24**	C
2-Su	**12/8/24**	C
3-W	**12/18/24**	0.7
4-Su	**12/22/24**	C
5-Su	**12/29/24**	
5-T	**12/31/24**	1.6
Minimum		
Maximum		1.6
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

1/15/2025 6:14:21 PM
Date

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR308823 **Permittee:** Prologis Emerald Gateway

Facility County: King **Receiving Waterbody:** Existing storm system E Marginal Wy S

Monitoring Period: 01/01/2025 - 01/31/2025 **Outfall:** 1 - Existing storm system E Marginal Wy S **Version:** 1

Week	Monitoring Point	Indeno(1,2,3-cd)pyrene Micrograms/L (ug/L) Weekly Grab	Dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene) Micrograms/L (ug/L) Weekly Grab	Benzo[a]anthracene Micrograms/L (ug/L) Weekly Grab	Chrysene Micrograms/L (ug/L) Weekly Grab	Arsenic Total Micrograms/L (ug/L) Weekly Grab	Cadmium Total Micrograms/L (ug/L) Weekly Grab	Copper Total Micrograms/L (ug/L) Weekly Grab	Lead Total Micrograms/L (ug/L) Weekly Grab	Mercury Total Nanograms/L (ng/L) Weekly Grab	Zinc Total Micrograms/L (ug/L) Weekly Grab	Chromium Total Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Carcinogenic PAH**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**	**Admin Order #18101 Metals**
1-W	**1/1/25**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**1/5/25**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**1/12/25**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**1/19/25**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**1/26/25**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum						C	C	C	C	C	C	C
						BM: <= 69 (RO)	BM: <= 42 (RO)	BM: <= 4.8 (RO)	BM: <= 210 (RO)	BM: <= 1.8 (RO)	BM: <= 90 (RO)	BM: <= 1100 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

BMPs

Monitoring Point	Week	BMP
	1	Construction Stormwater Chemical Treatment
	1	Other
	1	Silt Fence
	1	Temporary Sediment Pond
	2	Construction Stormwater Chemical Treatment
	2	Other
	2	Silt Fence
	2	Temporary Sediment Pond
	3	Construction Stormwater Chemical Treatment
	3	Other
	3	Silt Fence
	3	Temporary Sediment Pond
	4	Construction Stormwater Chemical Treatment
	4	Other
	4	Silt Fence
	4	Temporary Sediment Pond
	5	Construction Stormwater Chemical Treatment
	5	Other

Week	Monitoring Point	Manganese Total Micrograms/L (ug/L) Weekly Grab	BTEX (benzene +toluene + ethylbenzene + xylene) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Diesel (NWTPH Dx) (semi-volatile) Micrograms/L (ug/L) Weekly Grab	Petroleum Hydrocarbons Gasoline (NWTPH Gx) (volatile) Micrograms/L (ug/L) Weekly Grab	Benzo(ghi)perylene Micrograms/L (ug/L) Weekly Grab	Fluoranthene Micrograms/L (ug/L) Weekly Grab	Fluorene Micrograms/L (ug/L) Weekly Grab	Naphthalene Micrograms/L (ug/L) Weekly Grab	Phenanthrene Micrograms/L (ug/L) Weekly Grab	1-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab	2-Methylnaphthalene Micrograms/L (ug/L) Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Metals**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Petroleum Hydrocarbons**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**	**Admin Order #18101 Polycyclic Aromatic Hydrocarbons (PAH)**
1-W	**1/1/25**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**1/5/25**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**1/12/25**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**1/19/25**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**1/26/25**	C	C	C	C	C	C	C	C	C	C	C
Minimum												
Maximum												

Week	Monitoring Point	1,2-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	1,4-Dichlorobenzene Micrograms/L (ug/L) Weekly Grab	Diethyl phthalate Micrograms/L (ug/L) Weekly Grab	Butyl benzyl phthalate (Benzyl butyl phthalate) Micrograms/L (ug/L) Weekly Grab	Bis(2-Ethylhexyl) Phthalate Micrograms/L (ug/L) Weekly Grab	Dimethyl phthalate Micrograms/L (ug/L) Weekly Grab	N-Nitrosodiphenylamine Micrograms/L (ug/L) Weekly Grab	Chloroform Micrograms/L (ug/L) Weekly Grab	1,2,4-Trimethylbenzene Micrograms/L (ug/L) Weekly Grab	PCBs (polychlorinated biphenyls) Total Micrograms/L (ug/L) Weekly Grab	pH Standard Units Weekly Grab
		1	1	1	1	1	1	1	1	1	1	1
Limit Set		**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Admin Order #18101 Volatile Organic Compounds**	**Adminstrative Order #18101 PCBs**	**Construction Stormwater General Permit 2021 - 303(d)**
1-W	**1/1/25**	C	C	C	C	C	C	C	C	C	C	C
2-Su	**1/5/25**	C	C	C	C	C	C	C	C	C	C	C
3-Su	**1/12/25**	C	C	C	C	C	C	C	C	C	C	C
4-Su	**1/19/25**	C	C	C	C	C	C	C	C	C	C	C
5-Su	**1/26/25**	C	C	C	C	C	C	C	C	C	C	C
Minimum												C
												>= 6.5 (RO)
Maximum												C
												<= 8.5 (RO)

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab
		1
Limit Set		Construction Stormwater General Permit 2021 >=5 acres
1-W	**1/1/25**	C
2-Su	**1/5/25**	C
3-Su	**1/12/25**	C
4-Su	**1/19/25**	C
5-Su	**1/26/25**	C
Minimum		
Maximum		C
		BM: <= 25 (RO)

	5	Silt Fence
	5	Temporary Sediment Pond

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Eduardo Equihua
Signature

2/14/2025 3:53:04 PM
Date

CLEAR WATER SERVICES

DATA SUMMARY REPORT

Emerald Gateway

12/21/2020 - 1/18/2021

Downloaded: 1/22/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
12/21/2020													
10:01	0	8.1	74	366	61.3	7.5	0	0	0	0	83	0.6	7.56
10:16	759	6.8	11,657	662	58.5	7.59	7,829	663	3.2	7.62	1,056	9.8	7.59
10:31	764	6.9	9,663	632	33.5	7.64	11,606	776	1.1	7.69	0	0	0
10:46	767	7.1	9,455	630	76.3	7.66	11,466	764	0.6	7.74	0	0	0
11:01	768	6.8	12,444	673	93.3	7.68	8,983	597	1.5	7.77	0	0	0
11:16	775	7	9,522	632	105	7.71	11,530	769	0.7	7.81	0	0	0
11:31	755	7.2	9,328	624	104.7	7.73	11,327	754	0.5	7.83	0	0	0
11:46	782	7.1	12,190	651	105.7	7.75	9,128	606	1.5	7.85	0	0	0
12:01	774	7.3	9,546	636	109.4	7.76	11,543	772	0.7	7.86	0	0	0
12:16	777	7.5	9,320	625	128.4	7.78	11,344	755	0.7	7.88	0	0	0
12:31	759	7.3	12,401	709	161.9	7.82	7,936	600	2.7	7.9	1,531	17.7	7.9
12:46	778	7.4	9,994	634	199	7.89	11,666	807	4.4	7.92	498	10.5	7.91
13:01	776	7.5	10,353	864	212.5	7.95	8,439	766	7.5	7.96	3,980	26.3	7.98
13:16	781	7.1	13,983	143	206.3	7.99	0	0	0	0	12,757	32.2	8
13:31	760	7.8	5,108	995	246.5	8.02	0	0	0	0	5,811	30.5	8.02
13:46	794	7.1	14,383	995	256	7.87	326	668	1.7	7.96	11,572	35.2	8.01
14:01	810	6.9	12,109	995	280.6	7.69	5,522	791	9.3	7.87	5,188	32.7	7.92
14:16	800	6.4	14,050	995	293.3	7.58	5,342	664	9.3	7.81	5,937	25.7	7.76
14:31	995	6.1	11,825	995	312.9	7.55	0	0	0	0	4,031	28.6	7.71
14:46	990	7	8,245	0	339.6	7.61	0	0	0	0	0	23.1	7.68
15:16	0	7.3	5,433	995	231.5	7.68	1,753	633	5.8	7.65	2,017	23.4	7.66
15:31	983	6.8	11,593	631	188.5	7.71	10,068	780	6.6	7.65	1,990	24	7.64
15:46	990	7.4	9,362	612	169.2	7.74	11,198	747	2.4	7.67	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:01	763	7.5	12,496	627	150.5	7.77	8,647	609	2.8	7.7	456	10.6	7.7
	16:16	766	7.7	9,314	596	127.4	7.8	11,204	746	2.2	7.71	0	0	0
	16:31	754	7.7	10,510	995	112.1	7.86	9,036	604	2.3	7.73	0	0	0
	16:46	758	7.7	10,787	604	102.8	7.94	10,847	720	2.6	7.78	0	0	0
	17:01	746	7.5	12,098	634	99.8	7.99	8,920	593	2.9	7.8	0	0	0
	17:16	761	7.8	9,363	583	91.9	8.02	11,270	752	2.5	7.82	0	0	0
	17:31	765	8	9,497	964	90.4	8.06	9,697	648	2.7	7.85	0	0	0
	17:46	766	7.9	11,372	621	160.4	8.13	10,034	666	3.6	7.87	0	0	0
	18:01	756	8.2	9,062	617	246.3	8.25	11,100	736	3	7.92	0	0	0
	18:16	757	7.9	12,707	645	284.7	8.36	7,354	640	5.1	7.98	2,789	14.2	7.98
	18:31	748	8	9,771	839	346.5	8.47	10,067	761	7.2	8.03	1,741	33	8.07
	18:46	760	7.6	13,305	995	351.7	8.55	0	0	0	0	13,539	33.8	8.1
	19:01	762	7.2	13,353	853	391.9	8.64	0	0	0	0	13,916	46.4	8.14
	19:16	750	6.9	12,698	851	413.7	8.72	0	0	0	0	14,925	50.2	8.2
	19:31	985	7.3	10,301	995	423.7	8.75	3,731	835	3.2	8.28	5,749	48.9	8.25
	19:46	995	7.4	13,323	715	431.3	8.63	9,963	708	3.7	8.28	995	43.1	8.28
	20:01	995	7.5	13,100	748	447.7	8.68	10,353	727	5.4	8.31	543	35.6	8.32
	20:16	992	7.6	13,538	877	390	8.41	8,437	691	6.1	8.26	2,736	41	8.2
	20:31	986	7.6	13,827	738	207.2	8.16	6,889	650	3.7	8.13	4,478	24.9	8.19
	20:46	995	8.1	11,049	726	140.2	7.83	13,299	887	6.5	7.96	0	0	0
	21:01	987	8.2	12,939	743	99.6	7.37	10,511	728	8.9	7.45	498	12.1	7.63
	21:16	995	8.3	13,712	754	75.5	7.24	9,173	689	9.2	7.11	1,741	17.7	7.18
	21:31	0	8.6	3,105	0	60.1	7.24	3,606	901	5.1	7.02	161	1.1	7
AVERAGES/TOTALS		830	7.44	493,265	737	200.4	7.93	341,144	716	3.9	7.83	120,718	26.2	7.88
MAXIMUM		995	8.60	14,383	995	447.7	8.75	13,299	901	9.3	8.31	14,925	50.2	8.32
MINIMUM		746	6.10	74	143	33.5	7.24	326	593	0.5	7.02	83	0.6	7.00
12/22/2020														
	8:46	770	7.6	7,185	645	30.3	6.74	7,750	863	1.2	7.09	791	11.3	7.08

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:01	757	7.6	9,593	962	19.4	6.85	11,473	765	0.5	7.13	0	0	0
	9:16	726	7.3	12,640	647	77.7	6.98	8,780	625	1.3	7.18	631	16	7.16
	9:31	750	7.5	9,456	625	104.8	7.18	11,396	761	0.5	7.29	0	0	0
	9:46	767	7.5	9,736	995	110.8	7.41	10,602	710	0.7	7.41	0	0	0
	10:01	738	7.4	12,170	626	105.2	7.64	9,583	675	1.8	7.51	686	17.5	7.48
	10:16	751	7.6	9,486	626	111.5	7.88	11,487	764	0.7	7.61	0	0	0
	10:31	742	7.7	9,572	995	109.9	7.99	11,156	750	1.2	7.71	0	0	0
	10:46	740	7.4	12,693	637	104.9	7.63	8,924	698	2.2	7.58	1,680	19.1	7.64
	11:01	750	7.6	9,499	622	112.9	7.52	11,463	764	0.6	7.53	0	0	0
	11:16	754	7.8	9,378	927	115.1	7.73	11,275	753	0.6	7.58	0	0	0
	11:31	730	7.5	12,905	636	109.6	8.1	8,280	649	3.2	7.69	1,880	19.7	7.68
	11:46	737	7.7	9,582	631	112.4	8.4	11,458	767	2.8	7.82	0	0	0
	12:01	740	7.5	11,857	995	104.7	8.51	6,902	746	5.1	7.96	4,324	30.7	8.03
	12:16	743	7.3	11,173	628	103.3	8.24	10,428	801	3.6	8.05	1,790	18.8	8.04
	12:31	744	7.6	9,587	623	110.4	8.19	11,398	762	3.5	8.08	0	0	0
	12:46	760	7.4	12,285	778	103.2	8.16	7,936	664	3.9	8.09	2,114	31.4	8.09
	13:01	748	7.3	10,226	624	126.7	7.84	11,277	792	1.8	7.95	746	12.4	8
	13:16	740	7.6	9,452	603	159.5	7.69	11,299	756	1.9	7.81	0	0	0
	13:31	749	7.4	11,817	900	181.3	7.82	6,353	724	6.6	7.79	4,467	41.5	7.81
	13:46	744	7	13,081	995	204.6	8.06	3,017	935	6.9	7.81	11,371	35.3	7.82
	14:01	742	5.6	12,678	869	206.2	7.88	0	0	0	0	11,011	44.9	7.73
	14:16	726	5.6	10,048	625	219.5	7.72	8,493	833	5.6	7.66	3,265	23.2	7.71
	14:31	0	6	2,683	0	200.3	7.57	3,204	752	4	7.58	5	4.1	7.55
	15:16	722	5.3	12,280	800	171.8	7.6	837	673	7.3	7.4	9,661	25.9	7.42
	15:31	737	5.3	10,364	628	112.7	7.59	11,836	816	3.7	7.45	498	11.5	7.44
	15:46	723	5.4	9,353	619	51.4	7.48	11,115	742	0.9	7.43	0	0	0
	16:01	729	5.2	12,146	672	35.8	7.44	8,432	591	1.6	7.42	504	17.1	7.41
	16:16	728	5.3	9,687	634	62.9	7.55	11,598	773	1.2	7.47	0	0	0
	16:31	717	5.5	9,310	619	89.5	7.9	11,132	742	0.9	7.6	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:46	719	5.3	11,822	702	96	8.22	8,404	606	1.8	7.72	692	16.8	7.75
	17:01	746	5.4	9,987	637	86.1	7.92	11,524	763	1.3	7.66	0	0	0
	17:16	734	5.6	9,464	613	86.9	7.51	11,222	749	0.8	7.33	0	0	0
	17:31	736	5.5	11,460	735	93.6	7.65	8,815	623	1.2	7.35	514	12.8	7.39
	17:46	734	5.5	10,244	626	93.3	7.98	11,216	744	1.6	7.49	0	0	0
	18:01	740	5.7	9,388	624	95.9	8.24	11,207	748	1.3	7.65	0	0	0
	18:16	728	5.6	11,271	995	98.3	8.44	7,780	708	2.4	7.79	2,795	33.7	7.86
	18:31	741	5.5	11,063	635	94.8	8.4	10,119	750	2.8	7.92	1,425	14.1	7.9
	18:46	744	5.7	9,322	603	80.2	8.05	11,108	739	1.2	7.87	0	0	0
	19:01	726	5.7	10,739	995	86.2	8.04	9,044	653	1.6	7.86	673	16.2	7.88
	19:16	740	5.6	10,904	619	79.4	8.17	10,568	701	2.4	7.91	0	0	0
	19:31	715	5.8	9,368	636	76	8.29	11,253	746	1.6	7.98	0	0	0
	19:46	720	5.8	10,539	995	83.3	8.39	8,774	717	2.2	8.06	1,857	38.8	8.11
	20:01	718	5.6	11,679	639	81	8.48	9,528	728	3.5	8.14	1,679	13	8.12
	20:16	720	5.8	9,414	623	80.5	8.55	11,191	745	2.5	8.21	0	0	0
	20:31	733	5.8	10,162	995	91.8	8.47	9,523	714	3.1	8.28	988	14.3	8.21
	20:46	740	6.2	8,771	653	85.7	7.85	959	94	3.1	8.02	924	4.9	7.92
	21:01	721	6.3	9,409	604	99.7	7.68	11,362	756	1.2	7.71	0	0	0
	21:16	0	6.7	3,975	0	111.2	7.78	4,768	734	0.6	7.71	82	0.6	7.71
	21:31	738	6.6	2,494	603	73.4	7.97	3,011	819	0.5	7.75	0	0.3	7.75
	21:46	722	6.4	11,741	691	59.5	7.99	8,510	603	1.1	7.78	493	11	7.79
	22:01	727	6.4	9,600	613	99.2	8.11	11,260	745	1.2	7.83	0	0	0
	22:16	728	6.5	9,094	628	98.1	8.23	11,061	737	0.9	7.92	0	0	0
	22:31	725	6.4	11,393	715	104	8	8,808	622	1.3	7.92	492	12.3	7.91
	22:46	718	6.5	9,962	611	98.6	8	10,996	728	1.3	7.91	0	0	0
	23:01	731	6.7	9,063	601	98.7	8.1	11,049	736	0.8	7.95	0	0	0
	23:16	720	6.6	11,058	995	100.3	8.14	8,779	669	1.6	8.01	1,182	15.2	8.02
	23:31	735	6.6	10,299	602	109.3	7.85	10,687	709	1.2	7.9	0	0	0
	23:46	726	6.9	9,047	587	115.6	7.88	10,986	731	0.6	7.86	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		736	6.46	594,654	715	103.8	7.89	542,396	720	2.1	7.73	69,220	18.9	7.76
MAXIMUM		770	7.80	13,081	995	219.5	8.55	11,836	935	7.3	8.28	11,371	44.9	8.21
MINIMUM		715	5.20	2,494	587	19.4	6.74	837	94	0.5	7.09	5	0.3	7.08
12/23/2020														
	0:01	705	6.8	10,500	986	122.7	8	9,162	649	1	7.89	498	10.3	7.91
	0:16	716	6.8	10,607	605	130.9	8.15	10,369	689	1.6	7.95	0	0	0
	0:31	704	7	9,169	616	142.3	7.83	11,072	741	0.7	7.86	0	0	0
	0:46	736	7.1	10,249	960	149.1	7.49	9,550	673	1	7.47	493	10.6	7.44
	1:01	730	7	11,004	615	127.7	7.61	10,147	675	1.4	7.47	0	0	0
	1:16	736	7.2	9,082	604	124.1	7.76	11,057	734	0.6	7.56	0	0	0
	1:31	719	7.3	9,811	995	123.2	7.91	10,080	689	1.2	7.67	167	9.7	7.72
	1:46	735	7.2	11,349	614	115.7	8.08	9,573	667	1.8	7.77	501	12.3	7.73
	2:01	717	7.4	9,187	606	106	7.89	11,061	740	0.7	7.78	0	0	0
	2:16	726	7.5	9,626	995	122.2	7.27	10,471	705	0.8	7.28	0	0	0
	2:31	713	7.3	11,729	605	120.7	7.44	9,354	639	1.7	7.26	322	11.3	7.22
	2:46	719	7.2	9,096	595	127	7.58	11,021	735	0.6	7.37	0	0	0
	3:01	710	7.4	9,063	995	100.2	7.74	10,637	715	0.9	7.49	0	0	0
	3:16	724	7.2	12,061	602	123.6	7.9	8,787	635	2.2	7.61	824	14	7.56
	3:31	718	7.4	9,092	595	133.2	8.04	11,009	735	0.9	7.71	0	0	0
	3:46	713	7.5	8,956	995	139.6	8.16	10,896	727	0.9	7.82	0	0	0
	4:01	719	7.3	12,500	605	122.5	7.82	8,061	645	2.2	7.7	1,793	21.9	7.82
	4:16	722	7.5	9,086	611	131.6	7.58	11,053	735	0.6	7.45	0	0	0
	4:31	28	7.9	8,948	173	126.5	7.67	10,820	721	0.5	7.49	0	0	0
	4:46	0	7.9	1,744	76	104.6	7.77	1,139	680	0.6	7.54	6	0.3	7.57
	5:01	0	7.8	1,026	68	46.7	7.8	0	0	0	0	0	0.3	7.62
	5:16	0	7.6	1,094	77	32.9	7.9	0	0	0	0	0	0.3	7.64
	5:31	0	7.4	1,045	74	29.5	7.97	0	0	0	0	0	0.4	7.65
	5:46	0	7.3	1,014	80	27.9	8.01	0	0	0	0	0	0.5	7.66

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:01	0	7.1	1,024	72	26.4	8.03	0	0	0	0	0	0.7	7.66
	6:16	0	7	974	68	25.3	8.05	0	0	0	0	0	0.9	7.68
	6:31	0	6.9	980	62	24.3	8.06	0	0	0	0	0	1.1	7.68
	6:46	0	6.7	925	66	23.8	8.07	0	0	0	0	0	1.4	7.68
	7:01	0	6.6	931	65	22.9	8.08	0	0	0	0	0	1.6	7.68
	7:16	0	6.5	898	60	22.5	8.08	0	0	0	0	0	1.7	7.67
	7:31	0	6.3	908	61	21.4	8.08	0	0	0	0	0	1.8	7.67
	7:46	0	6.2	861	59	21	8.09	0	0	0	0	0	2.2	7.67
	8:01	0	6.1	836	60	20.2	8.09	0	0	0	0	0	2.7	7.66
	8:16	0	6	848	57	19.8	8.09	0	0	0	0	0	2.9	7.65
	8:31	0	5.8	845	59	19.1	8.11	0	0	0	0	0	3.2	7.65
	8:46	744	6.2	2,889	897	41.5	8.11	80	316	6.9	7.64	1,385	8.3	7.65
	9:01	725	6.1	11,066	584	74.1	8.14	10,024	785	2.3	7.66	1,931	13.8	7.65
	9:16	694	6.2	8,987	594	94.3	8.18	10,853	723	0.9	7.74	0	0	0
	9:31	712	6.3	8,955	912	94.3	8.08	10,455	703	0.6	7.79	0	0	0
	9:46	732	6.1	12,062	613	92.4	8	8,782	610	1.5	7.81	443	13	7.81
	10:01	708	6.3	8,969	594	92.4	7.86	10,784	721	0.6	7.76	0	0	0
	10:16	720	6.5	8,769	880	91.7	7.91	10,564	705	0.5	7.76	0	0	0
	10:31	735	6.2	12,166	603	89.7	7.85	8,604	599	1.4	7.76	333	11.9	7.79
	10:46	719	6.4	9,054	588	93.1	7.75	10,888	725	0.6	7.68	0	0	0
	11:01	720	6.6	8,791	856	92.5	7.8	10,616	706	0.8	7.69	0	0	0
	11:16	706	6.3	12,222	610	83.9	7.85	8,469	629	2	7.73	974	14.8	7.73
	11:31	716	6.5	8,990	584	81.2	7.92	10,774	720	0.9	7.76	0	0	0
	11:46	717	6.7	8,779	575	85.8	8	10,566	706	0.8	7.8	0	0	0
	12:01	703	6.5	12,149	624	87.7	7.97	8,463	605	2	7.83	607	11.6	7.83
	12:16	722	6.7	9,008	589	90.6	7.96	10,866	724	1	7.84	0	0	0
	12:31	711	6.8	8,774	588	91	8.01	10,529	705	0.7	7.86	0	0	0
	12:46	720	6.6	12,189	624	92.5	7.8	8,295	613	2.1	7.81	1,025	13	7.82
	13:01	718	6.7	9,080	570	91.9	7.76	10,887	726	0.9	7.73	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:16	714	7	8,759	580	92.3	7.83	10,577	703	0.6	7.75	0	0	0
	13:31	705	6.8	11,808	618	90.1	7.86	8,344	589	1.9	7.78	435	13.5	7.79
	13:46	721	7	9,013	589	91.1	7.9	10,855	726	1	7.79	0	0	0
	14:01	706	7.2	8,709	570	91.5	7.97	10,475	700	0.7	7.82	0	0	0
	14:16	693	6.9	12,087	940	89.3	8	7,453	600	1.9	7.85	1,713	23.2	7.86
	14:31	695	6.5	12,787	600	89.2	7.98	8,490	617	2.9	7.86	953	11.9	7.86
	14:46	700	6.7	8,918	565	90.4	8.01	10,829	721	1.5	7.87	0	0	0
	15:01	723	6.9	8,687	831	89.6	8.04	10,514	702	0.8	7.89	0	0	0
	15:16	705	6.7	11,963	606	90.2	8.02	8,366	602	2.6	7.9	637	14.5	7.91
	15:31	718	6.9	8,967	588	94.4	8.01	10,847	724	1.3	7.89	0	0	0
	15:46	0	7	8,729	0	86.4	8.03	10,532	704	1.5	7.91	0	0	0
	AVERAGES/TOTALS	702	6.85	490,394	521	84.9	7.92	473,100	680	1.3	7.72	15,040	7.7	7.69
	MAXIMUM	744	7.90	12,787	995	149.1	8.18	11,072	785	6.9	7.95	1,931	23.2	7.91
	MINIMUM	28	5.80	836	57	19.1	7.27	80	316	0.5	7.26	6	0.3	7.22
12/30/2020														
	12:31	723	6.7	2,591	994	179.6	6.95	408	599	3.8	7.87	1,610	32.2	7.88
	12:46	724	6.3	12,627	628	13.8	6.99	7,746	768	5.6	7.72	4,034	25.6	7.78
	13:01	735	6.2	10,134	995	32.2	7.04	9,065	741	4.5	7.59	2,054	3.7	7.56
	13:16	893	6.2	12,566	659	44.2	7.07	6,610	854	3.5	7.53	5,433	10.6	7.55
	13:31	890	6.6	9,663	637	54.1	7.1	11,599	774	2.3	7.53	0	0	0
	13:46	903	6.6	12,460	860	54.5	7.11	7,806	712	2.3	7.54	2,850	6.4	7.54
	14:01	898	6.8	10,673	675	58	7.11	11,844	829	1.9	7.54	746	20.9	7.54
	14:16	909	6.9	11,599	995	57	7.13	8,676	793	1.2	7.52	2,877	4.4	7.52
	14:31	823	7	11,226	634	57.3	7.13	10,257	744	3.5	7.52	1,079	11.6	7.52
	14:46	824	7.3	9,472	630	57.4	7.15	11,396	758	3.3	7.5	0	0	0
	15:01	817	7.5	10,620	995	56.8	7.17	9,914	696	2.8	7.49	519	30.6	7.48
	15:16	757	7.4	11,627	640	55.1	7.17	9,682	730	3.3	7.47	1,517	12.2	7.48
	15:31	751	7.6	9,482	616	53.6	7.19	11,445	760	2	7.45	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:46	753	7.6	10,264	995	52.5	7.22	10,505	704	1.7	7.45	0	0	0
	16:01	738	7.4	11,901	641	51.5	7.29	9,212	691	2.8	7.45	1,417	14.4	7.45
	16:16	749	7.6	9,458	615	50.7	7.33	11,433	762	1.4	7.45	0	0	0
	16:31	777	7.5	11,626	950	49.7	7.34	9,369	661	1.7	7.47	516	13.2	7.49
	16:46	742	7.6	10,286	643	49.8	7.34	11,028	736	2.2	7.49	0	0	0
	17:01	753	7.8	9,463	619	48.8	7.35	11,411	759	1.3	7.49	0	0	0
	17:16	758	7.7	11,244	995	49.5	7.35	9,575	674	1.5	7.5	498	12.7	7.51
	17:31	744	7.7	10,655	638	49.2	7.35	10,762	716	2	7.49	0	0	0
	17:46	747	7.9	9,482	636	49.4	7.36	11,433	761	1.2	7.49	0	0	0
	18:01	748	7.9	10,884	995	49.8	7.37	9,815	692	1.3	7.51	499	10.3	7.51
	18:16	754	7.8	10,995	644	49.7	7.37	10,503	699	1.9	7.51	0	0	0
	18:31	758	8	9,486	626	50	7.37	11,384	759	1.1	7.51	0	0	0
	18:46	757	8	10,492	995	49.7	7.37	10,324	701	1.2	7.51	143	9.3	7.51
	19:01	740	7.9	11,338	625	48.2	7.37	10,232	682	1.9	7.51	0	0	0
	19:16	742	8.1	9,481	640	49	7.38	11,376	761	1	7.51	0	0	0
	19:31	750	8.2	10,138	995	49	7.38	10,693	715	1	7.51	0	0	0
	19:46	750	8	11,715	635	47.1	7.38	9,945	663	1.9	7.51	0	0	0
	20:01	0	8.2	9,473	989	48.3	7.38	11,380	761	1	7.51	0	0	0
	20:16	0	7.1	12,275	0	45.2	7.38	5,488	371	2	7.51	0	1.2	7.5
	20:31	731	7.2	7,068	612	39.9	7.37	8,358	745	1	7.49	58	0.9	7.5
	20:46	749	7.3	9,257	605	45.5	7.37	11,020	736	0.9	7.49	0	0	0
	21:01	732	7	12,245	641	47.1	7.37	9,005	601	1.6	7.49	0	0	0
	21:16	733	7.1	9,395	609	46.3	7.37	11,197	746	1.2	7.49	0	0	0
	21:31	740	7.3	9,280	619	46.5	7.37	11,095	738	0.8	7.48	0	0	0
	21:46	737	7.1	12,126	613	45.5	7.37	9,078	608	1.4	7.48	0	0	0
	22:01	732	7.3	9,543	611	44.8	7.37	11,142	740	1.2	7.47	0	0	0
	22:16	755	7.5	9,250	621	45.2	7.37	11,135	739	0.8	7.47	0	0	0
	22:31	727	7.3	11,719	613	43.9	7.37	9,275	621	1.3	7.47	0	0	0
	22:46	727	7.4	9,876	619	45.2	7.37	10,960	725	1.3	7.47	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:01	749	7.6	9,256	621	46	7.37	11,103	740	0.9	7.47	0	0	0
	23:16	713	7.5	11,354	995	45.2	7.37	9,506	637	1.3	7.47	0	0	0
	23:31	730	7.5	10,308	618	44.8	7.38	10,700	707	1.2	7.47	0	0	0
	23:46	735	7.7	9,260	615	44.9	7.38	11,117	740	0.8	7.49	0	0	0
	AVERAGES/TOTALS	766	7.39	475,333	730	50.9	7.29	457,007	714	1.9	7.51	25,850	13.0	7.55
	MAXIMUM	909	8.20	12,627	995	179.6	7.38	11,844	854	5.6	7.87	5,433	32.2	7.88
	MINIMUM	713	6.20	2,591	605	13.8	6.95	408	371	0.8	7.45	58	0.9	7.45
12/31/2020														
	0:01	751	7.7	10,947	995	43.9	7.4	9,764	654	1.1	7.49	0	0	0
	0:16	758	7.6	10,614	611	43.6	7.4	10,403	692	1.3	7.5	0	0	0
	0:31	729	7.9	9,253	608	43.8	7.41	11,174	744	0.8	7.5	0	0	0
	0:46	734	7.8	10,537	995	42.9	7.42	9,994	672	1	7.5	0	0	0
	1:01	763	7.8	10,984	627	42	7.42	10,174	675	1.2	7.5	0	0	0
	1:16	731	8	9,285	617	42.8	7.42	11,123	742	0.8	7.5	0	0	0
	1:31	741	8	10,156	995	43.3	7.42	10,238	690	0.8	7.5	0	0	0
	1:46	755	7.9	11,364	614	43	7.42	9,921	656	1.4	7.5	0	0	0
	2:01	736	8.1	9,264	610	43.3	7.43	11,204	744	0.7	7.51	0	0	0
	2:16	750	8.2	9,795	995	42.5	7.45	10,484	703	0.7	7.52	0	0	0
	2:31	741	8	11,735	625	41.3	7.46	3,400	232	1.1	7.54	0	0	0
	2:46	726	8.2	9,255	615	42.7	7.48	0	0	0.6	7.55	0	0	0
	3:01	738	8.3	9,395	995	42.4	7.5	0	0	0.6	7.56	0	0	0
	3:16	742	8.1	12,040	623	40.7	7.51	0	0	1.2	7.56	0	0	0
	3:31	744	8.4	9,260	615	41.3	7.51	2,586	168	0.6	7.57	0	0	0
	3:46	744	8.5	9,136	957	42	7.53	11,009	735	0.5	7.57	0	0	0
	4:01	730	8.3	12,296	621	41.1	7.53	4,404	302	1.1	7.59	0	0	0
	4:16	740	8.5	9,273	611	42.3	7.54	0	0	0.6	7.59	0	0	0
	4:31	738	8.7	9,103	962	40.6	7.55	0	0	0.5	7.6	0	0	0
	4:46	725	8.5	12,303	604	37.5	7.56	0	0	1.1	7.61	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:01	724	8.7	9,258	611	36.4	7.58	0	0	0.6	7.63	0	0	0
	5:16	733	8.6	7,451	621	34.9	7.59	2,412	190	0.4	7.63	16	0.4	7.63
	5:31	712	8.3	12,275	654	32.9	7.59	9,003	599	1.1	7.61	0	0	0
	5:46	737	8.3	9,531	628	38.5	7.59	11,403	757	0.6	7.61	0	0	0
	6:01	699	8.5	9,380	614	41.3	7.61	11,190	746	0.5	7.63	0	0	0
	6:16	723	8.2	12,254	652	39.4	7.62	9,104	605	0.9	7.63	0	0	0
	6:31	702	8.3	9,541	637	37.3	7.63	11,391	760	0.6	7.64	0	0	0
	6:46	742	8.5	9,371	614	35.4	7.64	11,196	746	0.5	7.64	0	0	0
	7:01	719	8.3	12,169	634	33	7.64	8,976	600	1.1	7.65	0	0	0
	7:16	695	8.4	9,575	645	33.2	7.64	11,426	759	0.8	7.65	0	0	0
	7:31	711	8.5	9,373	605	33.2	7.64	11,196	747	0.4	7.64	0	0	0
	7:46	719	8.3	11,787	644	33.9	7.64	9,284	619	0.7	7.65	0	0	0
	8:01	702	8.4	9,953	623	34.8	7.66	11,187	743	0.7	7.66	0	0	0
	8:16	724	8.6	9,417	636	37.8	7.67	11,208	748	0.4	7.66	0	0	0
	8:31	709	8.4	11,462	995	40.6	7.68	7,304	525	0.9	7.68	496	12.3	7.68
	8:46	0	8.5	3,153	995	40.8	7.69	0	0	1.5	7.68	0	1.2	7.68
	9:01	0	6.8	12,030	637	35.8	7.71	0	0	1.4	7.7	0	0.5	7.7
	9:16	0	5.6	9,452	632	28.8	7.71	0	0	0.7	7.69	0	0	0
	9:31	703	5.5	4,969	805	28.9	7.72	0	0	0.6	7.71	3,709	0.4	7.71
	9:46	716	5.1	12,342	995	28.7	7.72	4,763	581	1	7.71	6,200	0.3	7.71
	10:01	726	5	10,677	597	40.9	7.74	9,923	659	1.4	7.71	0	0	0
	10:16	690	6.1	6,395	0	45.4	7.74	7,387	703	1.4	7.72	127	1.4	7.72
	10:31	717	6.3	5,560	605	47.1	7.72	6,431	735	1.2	7.73	48	1	7.73
	10:46	700	6.1	11,842	623	41	7.72	8,400	556	1.5	7.71	0	0	0
	11:01	689	6.1	9,289	594	40.1	7.72	10,936	726	1.4	7.71	0	0	0
	11:16	755	6.4	9,107	593	40.9	7.72	10,746	715	0.8	7.71	0	0	0
	11:31	771	6.4	11,608	678	40.6	7.72	8,801	588	1.2	7.71	0	0	0
	11:46	781	6.5	9,849	617	40.6	7.72	11,007	733	0.9	7.71	0	0	0
	12:01	768	6.8	9,230	613	41.4	7.72	10,890	727	0.6	7.71	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:16	789	6.8	11,312	980	40.2	7.72	9,015	601	1.1	7.72	0	0	0
	12:31	767	6.9	10,522	646	38.2	7.75	10,777	718	0.9	7.73	0	0	0
	12:46	750	7.1	9,546	634	38.3	7.77	10,975	731	0.6	7.74	0	0	0
	13:01	774	7.2	11,177	995	37.9	7.81	9,287	621	1.4	7.76	0	0	0
	13:16	768	7.2	10,875	634	34.8	7.84	10,487	698	1.2	7.78	0	0	0
	13:31	762	7.4	9,579	638	35	7.89	11,051	736	0.8	7.81	0	0	0
	13:46	775	7.4	10,818	995	34.1	7.92	8,935	595	1.1	7.83	0	0	0
	14:01	786	7.5	9,487	995	32.2	7.94	947	78	1.3	7.85	148	0.5	7.87
	14:16	800	7.3	11,918	629	31	7.98	9,527	631	1.2	7.88	0	0	0
	14:31	761	7.7	9,320	629	31.4	8.02	11,006	735	0.6	7.9	0	0	0
	14:46	761	6.6	12,339	623	28.8	8.08	8,777	605	1.4	7.94	332	11.1	7.94
	15:01	0	7.1	8,198	0	25.6	8.11	9,748	735	0.7	7.97	0	0.7	7.98
AVERAGES/TOTALS		738	7.58	609,386	713	38.3	7.65	461,974	635	0.9	7.66	11,076	2.7	7.76
MAXIMUM		800	8.70	12,342	995	47.1	8.11	11,426	760	1.5	7.97	6,200	12.3	7.98
MINIMUM		689	5.00	3,153	593	25.6	7.40	947	78	0.4	7.49	16	0.3	7.63
1/1/2021														
	12:16	776	7.1	4,036	654	36.1	7.76	4,751	830	1.7	7.53	31	0.8	7.53
	12:31	761	7.1	9,331	947	17.2	7.83	11,127	741	0.9	7.55	0	0	0
	12:46	0	7.2	10,004	0	39.3	7.93	4,169	373	1.8	7.6	64	0.8	7.63
	13:01	758	7.2	5,018	632	45.1	8.02	5,770	802	0.8	7.71	347	0.6	7.67
	13:16	768	7.3	9,278	601	45.7	8.09	10,965	729	0.9	7.76	0	0	0
	13:31	773	7.4	9,959	995	50.3	8.16	9,364	692	1.4	7.86	958	42.2	7.92
	13:46	781	7.3	11,674	603	49.8	8.16	9,276	673	2.6	7.97	797	17.2	7.92
	14:01	769	7.6	9,198	597	52.6	7.82	10,848	721	0.6	7.95	0	0	0
	14:16	765	7.8	9,469	945	53.4	7.69	10,207	685	0.6	7.89	0	0	0
	14:31	0	7.4	11,920	615	50.9	7.7	9,287	616	1.3	7.85	0	0	0
	14:46	0	7.7	2,007	0	57.3	7.71	2,348	725	0.6	7.84	45	0.7	7.83
	22:01	772	7.6	3,456	631	75.5	7.7	3,994	825	1.1	7.68	82	0.6	7.67

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:16	771	7.7	9,331	613	24.8	7.76	11,099	739	0.7	7.71	0	0	0
	22:31	781	7.5	12,041	649	44.1	7.83	8,605	573	1.2	7.76	0	0	0
	22:46	776	7.7	9,367	600	53.9	7.9	11,130	742	0.9	7.81	0	0	0
	23:01	797	8	9,130	605	54.7	7.95	10,854	721	0.6	7.85	0	0	0
	23:16	767	8	11,641	660	52.7	8	8,767	586	1	7.89	0	0	0
	23:31	772	8.2	9,512	622	52.7	8.04	11,115	739	0.8	7.92	0	0	0
	23:46	781	8.1	11,975	663	50	8.07	8,683	578	1	7.96	0	0	0
AVERAGES/TOTALS		773	7.57	168,347	684	47.7	7.90	162,359	689	1.1	7.79	2,324	9.0	7.74
MAXIMUM		797	8.20	12,041	995	75.5	8.16	11,130	830	2.6	7.97	958	42.2	7.92
MINIMUM		758	7.10	2,007	597	17.2	7.69	2,348	373	0.6	7.53	31	0.6	7.53
1/2/2021														
	0:01	0	7.5	9,073	0	45.4	8.09	10,720	741	0.8	7.99	0	0.7	8
	10:01	769	7.5	4,095	633	75.3	7.95	4,779	822	1	7.82	71	0.7	7.82
	10:16	793	7.7	9,209	604	21.3	8	11,015	736	0.7	7.83	0	0	0
	10:31	788	7.5	12,261	611	32.3	8.03	8,742	582	1.2	7.86	0	0	0
	10:46	779	7.7	9,216	594	39.1	8.07	10,957	728	0.7	7.9	0	0	0
	11:01	775	8	9,211	624	40.2	8.1	10,961	731	0.7	7.93	0	0	0
	11:16	765	7.8	12,424	635	40.3	8.11	6,349	423	1.3	7.96	0	0	0
	11:31	777	8	8,554	643	41	8.13	8,127	637	0.8	7.99	54	0.8	7.99
	11:46	779	8.2	9,602	635	40.5	8.13	11,311	753	0.7	8.01	0	0	0
	12:01	778	8	12,413	683	38.3	8.14	8,762	586	1.1	8.04	0	0	0
	12:16	778	8.2	9,880	642	37.4	8.14	11,576	774	0.8	8.07	0	0	0
	12:31	779	8.4	9,558	629	37.5	8.16	11,210	748	0.7	8.09	0	0	0
	12:46	778	8.3	12,095	724	35.4	8.15	8,766	590	1	8.1	0	0	0
	13:01	768	8.4	10,037	648	35.5	8.16	11,592	767	0.8	8.11	0	0	0
	13:16	779	8.7	9,545	635	37.1	8.16	11,268	750	0.7	8.13	0	0	0
	13:31	0	8.6	11,774	726	35.3	8.16	9,064	609	1	8.13	0	0	0
	13:46	774	7.7	10,349	633	32.5	8.17	11,225	745	0.9	8.14	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:01	783	7.9	9,567	617	32.3	8.17	11,240	747	0.7	8.15	0	0	0
	14:16	775	7.9	11,402	991	36.3	8.17	9,345	628	0.9	8.15	0	0	0
	14:31	780	7.9	10,674	637	36.6	8.18	10,922	730	0.9	8.16	0	0	0
	14:46	795	8.2	9,516	641	36.6	8.19	11,313	754	0.7	8.16	0	0	0
	15:01	784	8.2	11,095	989	36.8	8.19	9,637	648	0.9	8.17	0	0	0
	15:16	782	8.2	10,995	647	36.6	8.2	10,671	709	0.9	8.18	0	0	0
	15:31	781	8.4	9,569	634	36.4	8.2	11,294	752	0.7	8.18	0	0	0
	15:46	771	8.5	10,726	989	32.7	8.19	9,957	670	0.9	8.18	0	0	0
	16:01	0	7.6	12,397	993	31.5	8.17	9,328	618	1.1	8.18	0	0	0
	16:16	770	7.3	11,443	642	28.7	8.17	10,246	682	1	8.18	0	0	0
	16:31	758	7.6	9,532	631	31.1	8.19	11,257	751	0.8	8.18	0	0	0
	16:46	785	7.7	10,237	981	36.1	8.2	10,408	693	1	8.19	0	0	0
	17:01	764	7.6	11,707	612	36.5	8.22	9,904	661	1.2	8.19	0	0	0
	17:16	782	7.8	9,518	646	38.5	8.24	11,298	755	0.9	8.2	0	0	0
	17:31	786	8	9,889	995	40.3	8.18	10,781	719	0.9	8.2	0	0	0
	17:46	792	7.9	12,079	632	44.8	7.95	9,677	643	1.1	8.11	0	0	0
	18:01	777	8.1	9,530	638	49	7.78	11,283	753	0.9	7.95	0	0	0
	18:16	784	8.3	9,581	972	53.1	7.69	11,144	743	0.9	7.8	0	0	0
	18:31	765	8.2	12,337	637	54.2	7.69	9,277	620	1.2	7.72	0	0	0
	18:46	797	8.4	9,503	638	57.4	7.74	11,330	758	1	7.7	0	0	0
	19:01	783	8.6	9,420	961	57.3	7.81	11,251	750	1	7.71	0	0	0
	19:16	763	7.1	12,358	616	53.7	7.89	9,173	611	1.6	7.73	0	0	0
	19:31	761	7.4	9,513	622	49.8	7.97	11,350	755	1.1	7.76	0	0	0
	19:46	782	7.6	9,452	948	61.9	8.05	11,233	750	1.2	7.79	0	0	0
	20:01	783	7.4	12,406	617	65.6	8.12	8,598	633	2.6	7.84	1,059	22.7	7.83
	20:16	774	7.7	9,537	618	69	8.04	11,370	757	0.8	7.85	0	0	0
	20:31	773	7.9	9,484	633	70	7.8	11,285	751	0.3	7.77	0	0	0
	20:46	793	7.7	12,358	625	71.2	7.72	9,085	604	0.8	7.7	0	0	0
	21:01	780	8	9,494	638	74	7.72	11,343	757	0.4	7.68	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:16	785	8.2	9,426	622	73.7	7.8	11,264	749	0.4	7.69	0	0	0
	21:31	788	8.1	12,265	643	72.3	7.93	9,163	611	1.7	7.71	0	0	0
	21:46	792	8.3	9,527	642	76.3	8.08	11,357	757	0.8	7.75	0	0	0
	22:01	774	8.6	9,486	614	81.7	8.21	11,317	753	1.8	7.8	0	0	0
	22:16	778	8.3	12,785	645	79.1	8.33	6,717	677	3.9	7.87	3,928	27.3	7.88
	22:31	785	8.5	9,576	639	80.6	8.44	11,329	755	2	7.94	0	0	0
	22:46	783	8.8	9,526	630	81.5	8.53	11,212	749	3.4	8.03	0	0	0
	23:01	792	8.5	12,647	659	80.2	8.61	5,977	696	5.1	8.12	4,918	28.2	8.15
	23:16	787	8.7	9,759	633	85.6	8.68	11,373	773	2.8	8.24	249	7.3	8.18
	23:31	0	8.1	10,552	995	84.2	8.75	9,401	734	4.4	8.33	1,643	46.4	8.39
	23:46	0	7.4	11,380	0	74.3	8.8	7,686	752	3.5	8.46	3,237	15.6	8.43
	AVERAGES/TOTALS	779	8.01	591,544	699	50.7	8.12	578,220	704	1.3	8.00	15,159	16.6	8.07
	MAXIMUM	797	8.80	12,785	995	85.6	8.80	11,592	822	5.1	8.46	4,918	46.4	8.43
	MINIMUM	758	7.10	4,095	594	21.3	7.69	4,779	423	0.3	7.68	54	0.7	7.82
1/3/2021														
	8:01	0	6.5	7,186	0	67.6	9.08	0	0	0	0	5,844	9.5	9.09
	8:16	0	6.5	101	0	28	9.08	0	0	0	0	0	1.6	9.07
	9:01	767	6.4	1,799	755	38.1	8.03	1,148	886	4.9	8.07	902	8.1	7.93
	9:16	789	6.5	10,186	649	36.7	8.14	12,133	809	1.5	8.06	0	0	0
	9:31	787	6.5	9,749	995	74.8	8.24	11,004	738	2	8.07	0	0	0
	9:46	777	6.3	12,979	642	84.1	8.09	7,637	754	4.5	8.11	3,957	26.7	8.11
	10:01	766	6.5	9,495	628	94.9	8.02	11,357	756	4.1	8.1	0	0	0
	10:16	773	6.3	12,299	830	92.6	8.1	5,753	709	5.7	8.08	5,044	27.9	8.1
	10:31	774	6.4	10,628	619	93.3	7.95	11,064	819	2	8.09	1,493	24.2	8.11
	10:46	772	6.6	9,539	968	98.5	7.75	10,951	738	1.2	8.03	0	0	0
	11:01	773	6.5	12,379	642	96.8	7.75	9,035	638	4.8	7.98	691	14.3	7.99
	11:16	760	6.8	9,384	630	97.1	7.86	11,265	750	4.6	7.95	0	0	0
	11:31	0	6.8	12,184	0	96.7	8.02	5,618	708	5.9	7.94	5,163	28.9	7.96

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:46	809	6.8	9,408	715	100.3	8.18	9,680	831	6.2	8.01	1,137	20.6	7.98
	12:01	829	7	10,482	691	99.4	8.18	12,206	814	5.7	8	0	0	0
	12:16	821	6.9	11,896	995	99	8.17	10,760	721	5.5	7.96	0	0	0
	12:31	817	7	11,329	703	97.4	8.15	2,046	140	5.3	7.91	0	0	0
	12:46	829	7.2	10,408	686	95.2	8.11	0	0	5.2	7.87	0	0	0
	13:01	829	7.2	11,524	995	92.7	8.07	0	0	5.1	7.83	0	0	0
	13:16	819	7.4	9,870	684	89.9	8.03	1,468	113	5	7.8	127	4.9	7.79
	13:31	811	7.6	10,179	674	86.2	7.99	11,537	766	4.8	7.76	0	0	0
	13:46	826	7.7	10,383	995	81	7.96	11,190	751	4.7	7.74	0	0	0
	14:01	827	7.6	12,492	691	74.4	7.93	9,760	648	4.6	7.71	0	0	0
	14:16	821	7.9	10,130	667	67.8	7.89	11,589	766	4.5	7.68	0	0	0
	14:31	818	8.1	10,116	995	62.4	7.86	11,464	765	4.4	7.65	0	0	0
	14:46	827	8	12,759	672	58.3	7.83	9,669	647	4.3	7.62	0	0	0
	15:01	817	8.2	10,191	662	55.1	7.79	11,755	779	4.3	7.59	0	0	0
	15:16	833	8.5	10,112	995	52.6	7.77	11,611	774	4.2	7.57	0	0	0
	15:31	814	8.3	12,766	671	50.4	7.74	9,603	643	4.1	7.54	0	0	0
	15:46	827	8.6	10,177	660	49.1	7.72	11,708	776	4.1	7.51	0	0	0
	16:01	0	7.6	12,071	991	47.5	7.7	10,114	675	4	7.48	0	0	0
	16:16	824	6.4	10,843	685	46.4	7.68	11,151	741	3.9	7.45	0	0	0
	16:31	831	6.7	10,099	661	45.4	7.66	11,571	767	3.9	7.42	0	0	0
	16:46	818	6.6	11,689	995	44.2	7.64	10,194	687	3.9	7.39	0	0	0
	17:01	836	6.7	11,169	655	43.8	7.62	10,937	729	3.8	7.37	0	0	0
	17:16	821	7	10,122	676	42.8	7.61	11,722	778	3.7	7.34	0	0	0
	17:31	829	7	11,359	995	42.3	7.59	10,613	707	3.7	7.31	0	0	0
	17:46	831	7	11,466	688	79.9	7.65	10,710	710	3.9	7.32	0	0	0
	18:01	817	7.3	10,153	653	89.5	8.01	11,745	778	5.8	7.54	0	0	0
	18:16	827	7.4	11,057	995	91.5	8.03	9,488	756	5.2	7.69	1,509	45.3	7.77
	18:31	824	7.3	12,096	780	55.4	7.92	7,219	759	6	7.59	3,965	16.7	7.65
	18:46	822	7.3	11,747	688	50.4	7.93	819	793	5.3	7.26	12,493	4.3	8.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:01	820	7.4	10,829	995	66.3	7.08	10,414	758	3.7	7.07	765	47.6	7.06
	19:16	827	7.3	12,276	678	67.3	7.41	1,072	118	4.7	7.3	2,921	19.2	7.2
	19:31	0	7.9	8,254	0	66.9	7.62	2,950	253	3.8	7.4	95	4.1	7.53
	19:46	0	7.8	6,115	995	65.3	7.98	6,905	762	3.9	7.62	58	4	7.53
	20:01	725	6.5	12,789	638	52.8	7.98	5,083	714	4.7	7.66	5,119	21.8	7.82
	20:16	718	6.6	9,434	636	49.3	7.73	11,357	757	2.5	7.49	0	0	0
	20:31	703	6.7	9,406	622	56.6	7.87	11,244	751	4	7.6	0	0	0
	20:46	719	6.2	12,864	625	57.2	8.03	5,569	742	5.3	7.78	5,553	26.3	7.78
	21:01	723	6.4	9,393	618	59.3	8.14	11,258	752	3.8	7.88	0	0	0
	21:16	732	6.5	9,354	609	59.6	8.21	11,223	747	4.7	7.96	0	0	0
	21:31	731	6.1	12,826	615	55.7	8.26	5,734	736	5.7	8.02	5,327	27.1	8.03
	21:46	732	6.3	9,404	622	58.6	8.34	11,270	752	3.6	8.08	0	0	0
	22:01	732	6.5	9,294	623	59.1	8.44	11,158	746	4.5	8.18	0	0	0
	22:16	725	6.1	12,797	635	55.5	8.47	5,729	719	5.9	8.24	5,301	27.3	8.25
	22:31	731	6.2	9,403	622	58.7	8.46	11,255	752	3.5	8.23	0	0	0
	22:46	733	6.4	9,282	604	58.5	8.42	11,212	745	4.4	8.19	0	0	0
	23:01	731	6	12,699	655	55.6	8.39	5,154	730	5.6	8.15	5,942	25.3	8.14
	23:16	725	6.1	9,489	612	54.9	8.36	11,388	762	3.7	8.11	0	0	0
	23:31	733	6.3	9,262	610	54.3	8.34	11,195	746	4.5	8.08	0	0	0
	23:46	718	6	12,462	696	51.2	8.34	6,010	707	5.9	8.07	4,718	28.2	8.07
AVERAGES/TOTALS		787	6.94	643,633	736	67.0	8.01	526,474	705	4.4	7.78	78,124	20.2	7.99
MAXIMUM		836	8.60	12,979	995	100.3	9.08	12,206	886	6.2	8.24	12,493	47.6	9.09
MINIMUM		703	6.00	101	604	28.0	7.08	819	113	1.2	7.07	58	1.6	7.06
1/4/2021														
	0:01	695	6	9,691	624	51.4	8.34	11,125	765	3.9	8.06	498	11.5	8.09
	0:16	719	6.2	9,249	614	50.3	8.34	11,150	742	4.5	8.06	0	0	0
	0:31	718	5.9	12,254	804	48	8.34	6,315	685	5.7	8.06	4,010	29.5	8.06
	0:46	725	6	9,846	628	47.9	8.32	10,474	765	4	8.04	1,244	12.6	8.06

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:01	720	6.2	9,261	605	47.1	8.32	11,158	741	4.3	8.02	0	0	0
	1:16	732	5.9	11,822	860	44.9	8.33	6,201	667	5.2	8.02	1,029	29	8.03
	1:31	726	5.9	10,129	625	43.7	8.33	9,556	668	4.3	8.03	746	11.7	8.05
	1:46	721	6.1	9,224	614	42	8.33	11,129	741	4.1	8.02	0	0	0
	2:01	736	5.9	11,451	995	42.3	8.35	6,924	708	4.8	8.02	3,615	30.5	8.06
	2:16	722	5.9	10,553	611	42.7	8.4	10,140	751	4.7	8.08	1,354	11.4	8.08
	2:31	727	6.1	9,193	628	40.4	8.44	11,065	740	4.2	8.12	0	0	0
	2:46	739	5.9	11,076	995	38.3	8.45	7,594	708	4.6	8.14	3,001	32.5	8.16
	3:01	714	5.9	10,683	602	37.5	8.46	9,943	738	4.7	8.15	1,132	13.3	8.16
	3:16	731	6.1	9,200	618	37.5	8.48	11,040	737	4	8.16	0	0	0
	3:31	731	6	10,645	995	35.8	8.49	8,344	709	4.5	8.17	2,254	37.6	8.19
	3:46	708	5.9	11,050	619	35.8	8.49	1,223	104	4.8	8.18	1,575	13.1	8.19
	4:01	724	6.1	9,175	597	34.9	8.49	0	0	3.9	8.18	0	0	0
	4:16	719	6	10,232	995	35.5	8.49	0	0	4.6	8.17	0	44.7	8.19
	4:31	739	5.9	11,221	595	34.4	8.51	0	0	4.8	8.2	0	16.2	8.2
	4:46	732	6.1	9,137	608	34.7	8.53	0	0	4	8.22	0	0	0
	5:01	717	6.1	9,861	995	35	8.52	0	0	4.6	8.22	0	46.7	8.22
	5:16	699	5.9	11,577	601	35.1	8.5	0	0	5.1	8.2	0	22	8.22
	5:31	708	6.2	9,205	605	36.4	8.5	0	0	4.3	8.18	0	0	0
	5:46	706	6.2	9,480	995	34.9	8.49	0	0	4.9	8.18	0	30.2	8.19
	6:01	724	6	11,983	605	33.1	8.49	0	0	5.3	8.17	0	27.5	8.18
	6:16	715	6.2	9,142	606	33.9	8.48	0	0	4.2	8.16	0	0	0
	6:31	724	6.3	9,098	995	33.4	8.47	0	0	4.8	8.15	0	0	0
	6:46	722	6	12,304	623	31.4	8.45	0	0	5.4	8.14	0	27.1	8.16
	7:01	711	6.2	9,142	608	33	8.45	0	0	4.3	8.13	0	0	0
	7:16	742	6.4	9,083	995	34.1	8.44	0	0	4.9	8.12	0	0	0
	7:31	720	6.1	12,486	609	32.3	8.45	0	0	5.8	8.12	0	26.3	8.13
	7:46	723	6.3	9,115	594	32.1	8.43	0	0	4.3	8.11	0	0	0
	8:01	0	6.7	2,124	0	32.2	8.42	0	0	4.6	8.09	0	5	8.09

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:16	713	6.6	7,825	995	27	8.42	0	0	4.8	8.07	0	4.5	8.09
	8:31	0	6.3	12,313	11	28.6	8.4	0	0	5.3	8.08	0	26	8.09
	8:46	723	6.3	7,219	616	31.8	8.4	7,408	646	4.5	8.06	127	4	8.07
	9:01	712	6.4	9,077	995	31.3	8.4	11,202	747	4	8.06	0	0	0
	9:16	726	6.1	12,252	592	29.5	8.39	7,318	677	4	8.06	3,010	28.2	8.07
	9:31	734	6.3	8,986	604	29.8	8.37	11,014	733	2.4	8.04	0	0	0
	9:46	732	6.5	8,922	931	31.8	8.37	10,944	729	3.1	8.04	0	0	0
	10:01	729	6.2	12,198	604	30.8	8.39	7,189	664	4.1	8.05	2,891	29.5	8.05
	10:16	732	6.4	8,934	603	32.2	8.4	10,920	730	2.4	8.06	0	0	0
	10:31	718	6.6	8,865	600	32.4	8.43	10,884	726	3	8.08	0	0	0
	10:46	726	6.3	12,128	591	31.4	8.45	7,196	667	4.1	8.11	2,965	29	8.12
	11:01	701	6.5	8,831	601	31.8	8.45	10,881	728	2.2	8.13	0	0	0
	11:16	742	6.7	8,873	583	32	8.43	10,873	725	2.8	8.1	0	0	0
	11:31	727	6.4	12,145	604	29.8	8.39	7,086	656	4.2	8.07	2,889	29	8.07
	11:46	716	6.6	8,875	586	29.7	8.36	10,879	725	2.2	8.03	0	0	0
	12:01	726	6.8	8,845	598	31.6	8.34	10,833	724	2.9	8	0	0	0
	12:16	712	6.5	12,132	573	31.5	8.34	7,063	652	4.5	7.99	2,879	29	8
	12:31	717	6.7	8,854	579	33.1	8.34	10,861	724	2.4	8	0	0	0
	12:46	729	7	8,795	595	32.4	8.35	10,801	720	3.3	8	0	0	0
	13:01	709	6.7	12,101	574	29.9	8.35	7,399	626	5.1	7.96	2,196	33.5	7.96
	13:16	724	6.9	8,843	596	28.8	8.32	10,896	725	1.7	7.96	0	0	0
	13:31	722	7.1	8,879	579	26.2	8.29	10,896	726	2.6	7.96	0	0	0
	13:46	734	6.8	12,116	603	24.1	8.3	7,527	623	4.2	7.98	2,007	32.2	7.98
	14:01	723	7	8,912	590	23.7	8.34	10,869	728	2.3	8.01	0	0	0
	14:16	718	7.2	8,897	586	24.4	8.4	10,888	726	2.8	8.07	0	0	0
	14:31	731	6.9	11,885	610	23.8	8.41	7,500	641	4.3	8.1	2,229	32	8.11
	14:46	709	7.1	9,123	591	26.9	8.42	10,845	722	2.7	8.1	0	0	0
	15:01	721	7.3	8,874	585	28.7	8.41	10,857	726	3.3	8.1	0	0	0
	15:16	710	7.1	11,488	654	27.7	8.37	7,167	686	4.6	8.07	3,067	27.8	8.06

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:31	729	7.2	9,537	590	28.9	8.35	10,659	706	3.3	8.04	0	0	0
	15:46	723	7.4	8,870	591	29.5	8.34	10,946	728	3.5	8.03	0	0	0
	16:01	725	7.2	11,068	995	28.4	8.32	7,505	697	4.5	8.01	2,908	29.8	8.01
	16:16	0	7.6	8,652	0	27.4	8.31	8,685	695	3.5	8	234	6.2	8
	AVERAGES/TOTALS	722	6.41	655,006	673	33.8	8.40	439,372	696	4.0	8.08	47,860	24.1	8.10
	MAXIMUM	742	7.60	12,486	995	51.4	8.53	11,202	765	5.8	8.22	4,010	46.7	8.22
	MINIMUM	695	5.90	2,124	11	23.7	8.29	1,223	104	1.7	7.96	127	4.0	7.96
1/5/2021														
	11:16	725	7.5	3,401	629	4.1	6.36	3,079	829	2.6	7.59	1,100	8.5	3.71
	11:31	725	7.5	9,086	607	4.1	8.09	10,961	728	1.1	7.74	0	0	0
	11:46	724	7.2	12,174	649	7	8.17	7,444	602	2.4	7.86	1,681	18.2	7.88
	12:01	698	7.3	9,177	585	10.2	8.26	11,017	736	1.6	7.96	0	0	0
	12:16	726	7.5	8,850	592	11.7	8.33	10,708	713	1.7	8.02	0	0	0
	12:31	707	7.2	11,858	661	11.1	8.37	7,599	615	2.8	8.07	1,643	27.6	8.09
	12:46	719	7.3	9,409	602	12.8	8.42	10,892	723	2.1	8.11	0	0	0
	13:01	728	7.6	8,892	593	13.1	8.46	10,631	711	2	8.15	0	0	0
	13:16	724	7.3	11,422	699	12.5	8.48	7,682	634	3	8.17	1,805	28.1	8.19
	13:31	731	7.4	9,739	570	12.9	8.5	10,688	707	2.5	8.19	0	0	0
	13:46	704	7.6	8,847	586	13.1	8.51	10,712	714	2.2	8.19	0	0	0
	14:01	719	7.4	11,017	989	12.7	8.51	8,064	665	3.1	8.19	1,857	27.5	8.2
	14:16	719	7.4	10,104	597	13.3	8.51	10,387	689	2.9	8.19	0	0	0
	14:31	711	7.7	8,855	585	13.6	8.54	10,767	715	2.4	8.21	0	0	0
	14:46	715	7.5	10,600	995	14.2	8.54	8,179	677	3	8.21	1,831	28	8.21
	15:01	723	7.5	10,496	595	17	8.53	10,193	675	3.6	8.2	0	0	0
	15:16	718	7.7	8,904	607	19.4	8.54	10,839	722	3	8.2	0	0	0
	15:31	706	7.6	10,438	995	23	8.53	8,905	725	3.9	8.19	1,911	37.7	8.2
	15:46	705	7.4	11,221	607	31.8	8.52	9,724	757	4.8	8.19	1,650	13.4	8.19
	16:01	716	7.6	9,176	595	41	8.5	11,267	752	5	8.16	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:16	723	7.6	10,067	995	41.3	8.45	9,621	728	6.3	8.12	1,252	47.7	8.09
	16:31	726	7.1	12,807	995	41.2	8.39	5,849	790	4.9	8.04	5,826	20.2	8.07
	16:46	712	6.8	12,137	581	44.8	8.33	5,068	722	4.6	7.97	5,808	17.6	8
	17:01	0	7.5	2,249	723	46	8.27	2,309	657	3.7	7.88	164	3.6	7.85
	17:16	725	7.3	9,338	995	38.2	8.24	8,285	671	4.4	7.86	1,078	38.9	7.84
	17:31	720	7	11,523	606	41.6	8.2	8,359	732	4.2	7.77	2,528	17.3	7.81
	17:46	732	7.2	8,922	594	47.2	8.14	10,949	728	3.7	7.66	0	0	0
	18:01	717	7	11,078	995	44.1	8.11	7,443	698	4.7	7.69	3,000	29.7	7.66
	18:16	743	7.1	10,214	612	41.9	8.09	10,704	724	4.5	7.68	173	9	7.67
	18:31	720	7.3	8,944	595	43.3	8.04	10,931	729	5.7	7.67	0	0	0
	18:46	702	7.1	10,646	995	43.6	8.02	7,920	708	7.6	7.65	2,682	36.8	7.66
	19:01	731	7	11,261	596	41	8.03	7,885	787	5.3	7.65	4,014	14.8	7.68
	19:16	714	7.2	8,953	607	42.3	7.99	10,895	728	5.7	7.62	0	0	0
	19:31	715	7.2	10,313	995	42.2	7.98	8,605	706	7.8	7.6	1,923	44.5	7.62
	19:46	711	6.9	11,628	598	42.2	7.98	6,862	791	5.9	7.61	4,899	16.5	7.63
	20:01	704	7.2	8,948	596	42.8	7.96	10,863	727	6.9	7.59	0	0	0
	20:16	721	7	10,644	995	40.7	7.96	7,937	706	8.2	7.58	2,629	37.9	7.6
	20:31	724	6.9	11,316	586	37	7.97	7,652	786	5.5	7.6	4,178	15.5	7.62
	20:46	719	7.1	8,934	604	33.8	7.95	10,921	728	6.1	7.58	0	0	0
	21:01	719	7.1	10,280	995	33.7	7.94	8,651	705	7.2	7.57	1,947	42.7	7.57
	21:16	744	6.9	11,690	587	34.6	7.91	6,877	788	5.7	7.53	4,895	15.6	7.57
	21:31	739	7.1	8,938	594	35.5	7.88	10,890	724	6.5	7.51	0	0	0
	21:46	718	7.1	9,846	995	35.1	7.88	9,353	705	7.7	7.51	1,230	47.2	7.51
	22:01	725	6.8	12,037	587	33.6	7.89	6,126	790	5.7	7.51	5,539	18.3	7.53
	22:16	718	7.1	8,898	598	35.8	7.9	10,855	723	6.5	7.52	0	0	0
	22:31	737	7.1	9,437	995	37.9	7.91	10,080	704	7.9	7.55	506	43.6	7.55
	22:46	723	6.8	12,453	615	40.9	7.9	5,400	800	6.5	7.51	6,210	23.8	7.55
	23:01	735	7	8,849	597	47.4	7.83	10,811	720	7.6	7.47	0	0	0
	23:16	717	7.2	9,013	995	46.6	7.78	10,699	713	9.3	7.41	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:31	713	6.8	12,869	585	44.5	7.77	4,536	789	6.8	7.39	6,982	26.4	7.42
	23:46	722	7	8,876	589	49.6	7.73	10,893	724	7.4	7.35	0	0	0
AVERAGES/TOTALS		720	7.23	506,774	712	30.8	8.14	453,967	722	4.8	7.81	80,941	26.1	7.66
MAXIMUM		744	7.70	12,869	995	49.6	8.54	11,267	829	9.3	8.21	6,982	47.7	8.21
MINIMUM		698	6.80	2,249	570	4.1	6.36	2,309	602	1.1	7.35	164	3.6	3.71
1/6/2021														
	0:01	0	7.5	7,883	0	48.3	7.7	9,545	721	9.1	7.33	87	10	7.32
	0:16	0	7.4	927	995	58.2	7.7	0	0	0	0	1,090	22.2	7.34
	0:31	734	6.3	13,142	590	28.9	7.72	4,662	842	4.9	7.34	7,261	25.2	7.35
	0:46	712	6.4	8,838	585	38.9	7.69	10,786	719	4.8	7.32	0	0	0
	1:01	720	6.5	8,819	995	50.3	7.69	10,757	718	8.4	7.31	0	0	0
	1:16	729	6	13,351	598	49.1	7.72	3,417	855	8.1	7.35	8,586	27.4	7.36
	1:31	711	6.2	8,864	572	51.5	7.74	10,827	723	7.6	7.36	0	0	0
	1:46	726	6.2	10,632	850	50.5	7.78	5,733	719	9.2	7.38	6,956	23.4	7.42
	2:01	729	5.6	13,984	857	47.9	7.84	0	0	0	0	12,607	22.6	7.48
	2:16	728	5.6	8,766	194	64.7	7.91	249	813	4.2	7.45	9,926	15.1	7.53
	2:31	728	6.6	4,149	856	47.1	7.96	0	408	9.4	7.55	4,888	21.7	7.57
	2:46	719	6.4	10,060	864	50.9	7.94	1,391	820	8.7	7.56	7,122	23.8	7.55
	3:01	735	6.3	10,289	589	50.5	7.92	9,803	785	5.7	7.55	2,274	26.4	7.55
	3:16	712	6.5	8,780	569	54.2	7.89	10,728	716	7.9	7.53	0	0	0
	3:31	746	6.2	11,937	917	50	7.88	4,687	720	9.5	7.53	6,641	33.4	7.52
	3:46	722	6.1	10,646	589	45.2	7.84	9,003	789	4.8	7.48	2,996	22.1	7.5
	4:01	731	6.4	8,819	571	46.3	7.8	10,815	720	6.5	7.45	0	0	0
	4:16	722	6.2	10,907	995	48.1	7.78	7,003	717	8.8	7.43	3,606	35.7	7.43
	4:31	719	6.1	10,956	591	44.3	7.77	8,461	787	4.9	7.41	3,445	18.1	7.43
	4:46	724	6.3	8,771	577	45.4	7.74	10,751	717	6.4	7.39	0	0	0
	5:01	696	6.2	10,540	995	47.6	7.73	7,759	715	8.7	7.37	2,902	38.5	7.38
	5:16	734	6.1	11,319	588	44.9	7.74	7,691	794	5.1	7.37	4,107	18.5	7.38

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:31	728	6.3	8,770	586	48.4	7.74	10,752	717	6.7	7.37	0	0	0
	5:46	718	6.3	10,232	995	50.4	7.79	7,884	719	9	7.42	3,011	40.1	7.45
	6:01	729	6.1	11,744	574	50.7	7.84	6,718	794	5.6	7.48	5,175	21.2	7.46
	6:16	742	6.3	8,731	589	57.7	7.92	10,808	718	7.9	7.54	0	0	0
	6:31	726	6.2	11,030	995	56.6	8.02	5,564	717	9.3	7.62	6,552	31.9	7.68
	6:46	721	5.8	12,154	572	55.4	8.09	6,070	808	5.8	7.75	5,791	26.6	7.72
	7:01	721	6.1	8,745	592	57.6	8.13	10,756	715	7.2	7.77	0	0	0
	7:16	728	6.2	9,526	995	56.4	8.16	9,137	715	9	7.8	1,896	40.4	7.82
	7:31	743	5.8	12,510	585	52.3	8.16	5,271	815	5.2	7.83	6,565	27.5	7.82
	7:46	729	6.1	8,727	579	55.6	8.21	10,741	716	6.5	7.85	0	0	0
	8:01	738	6.2	9,276	995	56.6	8.22	9,249	715	8.6	7.87	1,921	37	7.88
	8:16	727	5.8	12,926	580	52.1	8.2	4,564	831	5.4	7.86	7,167	30.3	7.86
	8:31	725	6	8,744	578	54.2	8.21	10,726	715	6.2	7.86	0	0	0
	8:46	717	6.2	8,845	995	55.5	8.23	10,549	714	8.4	7.89	125	10.3	7.9
	9:01	731	5.8	12,888	574	53.5	8.26	4,513	826	5.4	7.94	7,229	29.5	7.91
	9:16	722	6.1	8,680	559	56.4	8.34	10,702	716	6.2	7.98	0	0	0
	9:31	722	5.8	11,831	892	53.5	8.38	5,453	718	7.1	8.03	5,497	11.8	8
	9:46	734	5.6	11,453	710	53.9	8.42	12,129	915	3.6	7.96	1,608	12.3	7.96
	10:01	707	5.5	10,856	995	53.4	8.44	12,595	884	4.9	8.08	677	7.2	8.09
	10:16	738	5	13,733	637	51.6	8.41	3,594	959	6.6	8.07	9,205	21.4	8.08
	10:31	0	5.5	5,605	0	53	8.41	6,724	772	5.6	8.08	178	6.8	8.07
	10:46	728	5.5	85	916	50.2	8.4	0	0	0	0	0	6.4	8.08
	11:01	802	5	13,129	660	41.5	8.45	5,349	795	4.8	8.08	6,457	23	8.03
	11:16	861	5.7	6,934	715	48.7	8.5	8,378	794	1.4	8	74	1.3	8.09
	11:31	856	5.7	10,871	995	56.4	8.47	10,552	820	3.8	8.09	1,476	38.6	8.13
	11:46	856	6.3	7,886	771	51.9	8.47	982	988	5.8	8.14	5,760	19.7	8.13
	12:01	861	6.5	10,118	640	53	8.5	12,378	829	5.4	8.16	0	4.6	8.15
	12:16	862	6.7	9,753	647	50.4	8.52	12,024	801	6.9	8.19	0	0	0
	12:31	877	6.5	12,929	761	46.2	8.52	4,536	791	7.7	8.2	7,186	26.3	8.2

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:46	852	6.8	10,116	637	45.6	8.51	12,494	835	2.7	8.08	0	0	0
	13:01	852	7.1	9,654	645	43.8	8.5	11,913	794	2.7	8.04	0	0	0
	13:16	852	6.9	12,547	672	41.5	8.5	8,098	706	4.1	8.07	2,516	31.3	8.07
	13:31	852	7.3	9,795	669	41.8	8.52	12,090	807	1.5	8.09	0	0	0
	13:46	864	7.6	9,617	634	40.2	8.52	11,908	794	1.5	8.09	0	0	0
	14:01	851	7.5	12,318	678	39.2	8.53	8,447	688	2.8	8.12	1,977	30.7	8.13
	14:16	857	7.9	9,934	634	38.8	8.56	12,046	804	1.3	8.17	0	0	0
	14:31	857	8.2	9,661	644	38.8	8.6	11,933	795	1.1	8.21	0	0	0
	14:46	0	7.2	12,001	720	37.4	8.64	8,744	714	2	8.27	2,005	28.2	8.3
	15:01	826	6.3	10,288	646	32.9	8.66	11,790	785	1.2	8.31	0	0	0
	15:16	846	6.5	9,635	651	30	8.68	11,884	793	0.7	8.32	0	0	0
	15:31	851	6.5	11,168	995	34.2	8.42	8,916	730	1.6	8.22	1,583	23.1	7.44
	15:46	836	6.8	10,645	657	35.6	7.78	11,523	767	1.8	7.5	0	0	0
	16:01	856	7.1	9,702	647	35.9	7.81	12,049	802	1.7	7.51	0	0	0
	16:16	863	7.1	11,345	995	34.8	7.83	9,251	759	2.2	7.53	2,017	30.1	7.55
	16:31	853	7.2	10,992	637	33.7	7.85	11,305	750	2.3	7.58	0	0	0
	16:46	860	7.6	9,758	660	32.2	7.85	12,053	803	2.2	7.6	0	0	0
	17:01	843	7.6	11,050	995	31.1	7.82	9,368	781	3	7.57	2,223	32.8	7.55
	17:16	843	7.7	11,329	654	29.8	7.78	11,159	754	3	7.52	184	8.5	7.53
	17:31	0	6.8	9,764	643	29	7.76	12,057	804	2.2	7.49	0	0	0
	17:46	0	5.6	10,690	113	26.5	7.76	10,102	778	2.7	7.48	1,430	37.4	7.48
	18:01	0	5.6	1,937	0	24.3	7.75	348	663	5.8	7.48	830	15.5	7.47
	18:16	0	6	609	827	36.8	7.73	0	0	0	0	708	28.1	7.43
	18:31	0	5.6	5,569	0	22.8	7.75	5,431	904	2	7.45	1,247	19.6	7.41
	19:16	0	5.6	6,276	0	25.5	7.79	7,696	881	1.5	7.45	18	1.2	7.45
	20:31	863	6.4	7,118	655	25.7	7.85	8,626	881	1.5	7.49	96	1.1	7.43
	20:46	830	6.5	10,058	995	22.6	7.93	11,828	798	2	7.66	187	9.7	7.71
	21:01	844	6.3	12,537	642	22.8	7.97	8,958	742	3.6	7.74	2,234	25.1	7.72
	21:16	0	6.7	1,977	0	22.9	7.99	2,420	805	1.4	7.76	60	1.4	7.75

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	776	6.37	769,180	716	44.4	8.08	647,203	773	5.0	7.74	187,359	21.9	7.70
MAXIMUM	877	8.20	13,984	995	64.7	8.68	12,595	988	9.5	8.32	12,607	40.4	8.30
MINIMUM	696	5.00	85	113	22.6	7.69	249	408	0.7	7.31	18	1.1	7.32
1/7/2021													
10:46	835	7.9	6,114	683	41.1	7.92	6,893	914	2.1	7.45	585	5.7	7.34
11:01	858	8.1	9,884	650	13.6	7.94	12,170	814	0.9	7.62	0	0	0
11:16	845	7.8	12,799	667	14.9	8	9,116	679	2.9	7.72	1,147	13.5	7.71
11:31	849	8.1	9,915	656	18	8.07	12,238	814	0.9	7.82	0	0	0
11:46	0	7.3	9,772	646	22.3	8.1	12,056	805	1.1	7.85	0	0	0
12:01	0	6.6	12,668	689	24.1	8.11	8,572	693	2.8	7.86	1,964	21.3	7.86
12:16	0	6.5	4,669	0	29.9	8.12	5,746	822	1.2	7.88	7	1.3	7.88
13:16	0	5.5	5,117	690	44.2	8.12	6,293	940	1.8	7.79	0	1	7.83
AVERAGES/TOTALS	847	7.23	70,938	669	26.0	8.05	73,084	810	1.7	7.75	3,703	8.6	7.72
MAXIMUM	858	8.10	12,799	690	44.2	8.12	12,238	940	2.9	7.88	1,964	21.3	7.88
MINIMUM	835	5.50	4,669	646	13.6	7.92	5,746	679	0.9	7.45	7	1.0	7.34
1/8/2021													
9:32	0	6	2,215	0	37	6.18	1,951	867	1.5	7.84	811	0.1	2.83
9:46	861	6	9,064	662	26	7.38	10,299	880	1	7.55	784	0.1	3.09
10:01	825	5.8	12,728	674	31.5	7.82	9,014	669	3.4	7.49	1,137	14.3	7.49
10:16	0	5.6	9,842	636	42.7	7.64	12,182	811	1.7	7.31	0	0	0
10:31	0	5.8	2,744	0	48.7	7.58	3,402	797	3.1	7.22	6	3.1	7.21
13:01	841	6.3	4,620	703	48.9	7.52	4,465	938	3.3	7.18	1,026	9.4	7.21
13:16	841	6.2	11,687	995	36.6	7.46	9,266	787	2.1	7.14	2,459	25.4	7.08
AVERAGES/TOTALS	842	5.96	52,900	734	38.8	7.37	50,579	821	2.3	7.39	6,223	8.7	5.82
MAXIMUM	861	6.30	12,728	995	48.9	7.82	12,182	938	3.4	7.84	2,459	25.4	7.49
MINIMUM	825	5.60	2,215	636	26.0	6.18	1,951	669	1.0	7.14	6	0.1	2.83
1/11/2021													

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:46	858	6.3	11,806	656	59.2	6.96	11,406	824	3.3	6.78	947	7.6	6.92
	19:01	848	6	12,823	911	65.7	6.79	8,856	654	2.8	6.62	1,080	6.8	6.42
	19:16	830	6.2	10,511	661	79.3	6.78	9,788	850	1.9	6.84	2,854	2.8	6.42
	19:31	834	6.5	9,727	659	84.8	6.68	12,006	799	3.1	6.66	0	0	0
	19:46	853	6.3	13,156	907	85.7	6.59	4,411	710	4.9	6.55	7,232	17.6	6.5
	20:01	854	6.5	6,883	995	87.6	6.53	0	0	0	0	7,667	4	6.13
	20:16	0	6.4	9,040	0	105	7.4	2,858	672	4.4	7.58	4,122	12.6	6.65
	20:31	860	6.3	3,892	691	82.1	7.51	4,701	902	1.7	7.62	44	1.7	7.43
	20:46	857	6.5	9,979	638	78.2	7.51	12,196	816	0.4	7.4	0	0	0
	21:01	873	6.8	9,715	957	82.8	7.46	11,926	795	0.5	7.33	0	0	0
	21:16	864	6.6	12,786	640	81.3	7.45	9,401	650	2.2	7.31	375	11.4	7.29
	21:31	846	7	9,717	640	80.6	7.42	11,961	795	0.5	7.28	0	0	0
	21:46	849	7.4	9,615	651	80.1	7.41	11,846	790	0.5	7.25	0	0	0
	22:01	849	7.2	12,703	637	79.6	7.41	9,164	667	1.9	7.23	920	12.2	7.24
	22:16	851	7.6	9,725	644	79.5	7.39	11,948	797	0.4	7.2	0	0	0
	22:31	846	8	9,631	651	80.7	7.38	11,858	788	0.4	7.17	0	0	0
	22:46	861	7.9	12,653	658	80.6	7.39	9,443	630	2	7.16	0	0	0
	23:01	880	8.3	9,714	641	81.1	7.38	11,959	796	0.4	7.14	0	0	0
	23:16	864	8.7	9,652	638	81.2	7.39	11,813	788	0.4	7.13	0	0	0
	23:31	851	8.6	12,599	655	80	7.4	9,353	625	1.6	7.13	0	0	0
	23:46	0	7.8	10,949	995	80.5	7.39	10,629	713	0.9	7.12	0	0	0
AVERAGES/TOTALS		854	7.09	217,276	726	80.7	7.22	197,523	753	1.7	7.13	25,241	8.5	6.78
MAXIMUM		880	8.70	13,156	995	105.0	7.51	12,196	902	4.9	7.62	7,667	17.6	7.43
MINIMUM		830	6.00	3,892	637	59.2	6.53	2,858	625	0.4	6.55	44	1.7	6.13
1/12/2021														
	0:01	813	7.1	11,489	632	76.3	7.39	10,762	716	0.8	7.11	0	0	0
	0:16	825	7.5	9,577	625	76.9	7.39	11,725	785	0.3	7.1	0	0	0
	0:31	832	7.6	10,384	995	82.9	7.37	10,726	718	0.5	7.08	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:46	826	7.7	11,771	654	83.5	7.37	10,474	695	1	7.06	0	0	0
	1:01	840	8.1	9,559	657	82.7	7.35	11,774	785	0.3	7.04	0	0	0
	1:16	831	8.3	10,000	995	81.4	7.37	11,060	741	0.4	7.04	0	0	0
	1:31	0	7.6	12,107	622	79.6	7.39	10,140	671	1	7.05	0	0	0
	1:46	843	6.6	9,517	618	76.6	7.4	11,696	782	0.3	7.06	0	0	0
	2:01	811	6.9	9,626	995	74	7.4	11,383	762	0.3	7.07	0	0	0
	2:16	823	6.8	12,389	641	78.8	7.41	9,608	636	1.2	7.06	0	0	0
	2:31	835	7.2	9,491	618	81.5	7.4	11,699	779	0.4	7.05	0	0	0
	2:46	847	7.5	9,463	951	81.8	7.39	11,591	773	0.4	7.04	0	0	0
	3:01	819	7.5	12,490	639	80.7	7.4	9,458	628	1.5	7.03	0	0	0
	3:16	838	7.9	9,498	642	79	7.41	11,735	780	0.4	7.04	0	0	0
	3:31	857	8.2	9,461	955	78.6	7.39	11,687	776	0.4	7.02	0	0	0
	3:46	842	8.2	12,480	627	79.6	7.39	9,431	630	1.2	7.01	0	0	0
	4:01	862	8.6	9,522	620	81.7	7.42	11,700	779	0.4	7.03	0	0	0
	4:16	0	8.4	9,447	627	83.7	7.49	11,596	774	0.4	7.08	0	0	0
	4:31	828	6.8	12,407	624	82.8	7.55	8,971	654	1.6	7.19	919	16.3	7.17
	4:46	833	7.3	9,418	621	80.7	7.59	11,645	777	0.6	7.25	0	0	0
	5:01	854	7.6	9,364	616	87.7	7.63	11,581	771	0.7	7.28	0	0	0
	5:16	843	7.5	12,415	630	91.3	7.67	8,363	663	2.1	7.34	1,707	26.1	7.34
	5:31	832	7.9	9,434	637	93.4	7.72	11,674	776	1.2	7.4	0	0	0
	5:46	851	8.3	9,361	639	93.6	7.77	11,565	771	1.6	7.46	0	0	0
	6:01	840	8.2	12,358	633	92.2	7.8	8,226	669	3	7.51	2,035	32.1	7.51
	6:16	847	8.6	9,393	607	94.1	7.83	11,622	776	1.6	7.55	0	0	0
	6:31	0	8.7	9,336	655	96.5	7.86	11,560	770	2	7.57	0	0	0
	6:46	836	8.5	12,365	632	94.7	7.88	8,233	667	3.4	7.61	2,033	32.5	7.62
	7:01	832	8.8	9,402	604	95.7	7.91	11,550	772	1.7	7.63	0	0	0
	7:16	830	8.8	9,317	608	96.5	7.93	11,505	767	2	7.65	0	0	0
	7:31	840	8.4	12,317	618	95.6	7.94	7,933	659	3.3	7.68	2,215	32.6	7.7
	7:46	830	8.8	9,405	635	97.7	7.97	11,515	770	2.1	7.71	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:01	852	8.8	9,308	619	99.3	7.99	11,430	764	2.3	7.73	0	0	0
	8:16	836	8.4	12,072	638	98	8.01	7,969	666	3.6	7.75	2,194	33.5	7.77
	8:31	831	8.8	9,564	614	99.1	8.04	11,427	759	2.5	7.78	0	0	0
	8:46	829	8.8	9,267	597	101.9	8.07	11,478	762	2.6	7.82	0	0	0
	9:01	837	8.4	11,648	655	99.5	8.08	8,250	690	3.8	7.84	2,223	34.2	7.86
	9:16	842	8.8	9,886	603	100.6	8.11	11,124	739	3	7.88	0	0	0
	9:31	834	8.8	9,206	618	103	8.14	11,373	761	2.9	7.9	0	0	0
	9:46	825	8.4	11,260	990	100.3	8.15	8,111	722	3.8	7.92	2,758	31.4	7.95
	10:01	830	8.7	10,264	608	100	8.17	10,847	722	3.5	7.95	0	0	0
	10:16	834	8.7	9,198	606	101.8	8.18	11,371	758	3	7.97	0	0	0
	10:31	843	8.5	10,876	995	100.5	8.19	8,525	726	3.6	7.97	2,372	33.4	7.99
	10:46	828	8.7	10,572	597	101.6	8.21	10,347	723	3.9	8	559	12.2	8
	11:01	851	8.7	9,123	596	105	8.23	11,301	755	3.4	8.02	0	0	0
	11:16	827	8.5	10,432	995	102.6	8.25	8,960	728	3.9	8.03	2,021	40.4	8.07
	11:31	857	8.7	10,968	613	102.8	8.28	9,753	721	4.3	8.08	1,109	12.2	8.07
	11:46	838	8.6	9,101	601	104.6	8.31	11,335	753	3.5	8.1	0	0	0
	12:01	822	8.5	10,034	995	101.1	8.31	9,610	726	4	8.1	1,250	46.5	8.12
	12:16	827	8.6	11,321	593	100.3	8.31	8,877	711	4.5	8.12	1,837	18.6	8.12
	12:31	850	8.6	9,109	605	104.3	8.33	11,202	747	3.6	8.12	0	0	0
	12:46	833	8.5	9,578	995	102.8	8.34	10,300	724	4.2	8.13	535	43.9	8.16
	13:01	845	8.6	11,707	603	101.5	8.35	7,964	709	4.9	8.16	2,780	26.4	8.17
	13:16	0	8.6	9,074	612	103.7	8.36	11,181	745	3.8	8.17	0	0	0
	13:31	825	8.5	9,186	995	101.9	8.35	10,873	728	4.3	8.15	0	0	0
	13:46	840	8.6	12,061	606	100.8	8.35	7,202	692	5.2	8.17	3,450	28.1	8.17
	14:01	0	8.7	9,008	597	104.1	8.36	11,122	740	4	8.16	0	0	0
	14:16	694	8.7	10,319	995	103.8	8.39	8,744	711	4.5	8.19	2,040	39.2	8.22
	14:31	668	8.6	10,842	597	44.5	8.41	9,408	712	3.9	8.24	1,317	11.8	8.23
	14:46	680	8.9	8,932	581	45.7	8.43	11,038	736	1.5	8.25	0	0	0
	15:01	707	8.5	9,904	995	46.1	8.45	9,420	709	2.2	8.27	1,277	45.5	8.29

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:16	668	8.4	11,194	615	43	8.46	9,127	666	2.3	8.3	918	22.2	8.3
	15:31	679	8.7	8,882	587	49.2	8.49	11,009	732	1.4	8.32	0	0	0
	15:46	662	8.8	9,472	995	50.8	8.51	10,102	707	2.1	8.34	536	44.2	8.36
	16:01	684	8.4	13,112	632	47.9	8.52	6,688	706	3.4	8.38	4,876	15.4	8.37
	16:16	657	8.5	9,874	672	51.2	8.56	12,162	812	1.7	8.4	0	0	0
	16:31	676	8.6	10,014	995	51.5	8.58	11,905	795	2.4	8.43	0	0	0
	16:46	680	8.2	12,870	595	49.6	8.59	5,791	864	2	8.46	6,214	15.7	8.46
	17:01	660	8.1	9,035	737	47	8.2	5,865	834	2.4	8.39	3,327	8	7.92
	17:16	667	8.1	10,169	652	46.1	7.98	12,554	839	1.6	7.95	0	0	0
	17:31	664	7.7	12,631	670	48.6	8.01	8,396	702	3.3	8	2,193	29.9	8.01
	17:46	664	7.8	9,858	640	53.5	8.08	12,182	813	1.6	8.06	0	0	0
	18:01	663	8	9,824	675	54.2	8.16	12,078	807	2.2	8.15	0	0	0
	18:16	702	7.7	12,579	659	50.9	8.18	8,568	710	3.7	8.2	2,255	34.9	8.22
	18:31	656	7.8	9,580	647	51.2	8.14	11,768	811	1.7	8.16	40	1.5	7.32
	18:46	668	8	9,885	651	49.5	7.96	12,204	814	2.1	7.81	0	0	0
	19:01	672	7.7	12,547	653	46.6	7.96	5,582	475	3.7	7.82	993	33.2	7.83
	19:16	688	7.7	9,851	649	47.9	7.99	78	5	1.8	7.84	0	0	0
	19:31	675	7.9	9,788	637	47.8	8.02	1,892	119	2.2	7.88	0	0	0
	19:46	686	7.7	12,299	660	44.8	8.02	8,505	708	3.5	7.89	2,214	34.5	7.91
	20:01	677	7.7	10,037	658	48.8	8.04	12,083	804	2.1	7.91	0	0	0
	20:16	656	7.9	9,733	669	49.6	8.1	12,050	804	2.3	7.96	0	0	0
	20:31	685	7.6	11,958	720	49.4	8.15	8,516	741	3.4	8.02	2,548	31.6	8.05
	20:46	673	7.7	10,370	629	51.5	8.19	11,775	786	2.5	8.08	0	0	0
	21:01	661	7.9	9,682	658	51.3	8.23	12,108	804	2.3	8.13	0	0	0
	21:16	677	7.7	11,599	995	49.8	8.24	8,735	760	3.3	8.14	2,592	32.1	8.14
	21:31	683	7.7	10,678	657	49.7	8.24	11,575	768	2.9	8.13	0	0	0
	21:46	660	7.8	9,734	644	50.1	8.25	12,019	802	2.4	8.14	0	0	0
	22:01	673	7.7	11,219	995	48.8	8.25	9,025	768	3.1	8.14	2,389	33.9	8.16
	22:16	673	7.6	10,990	645	47.9	8.24	11,239	761	3.2	8.14	184	9.8	8.14

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:31	672	7.8	9,711	642	47.1	8.26	12,043	803	2.4	8.16	0	0	0
	22:46	687	7.7	10,858	995	45.2	8.26	9,504	775	2.9	8.17	2,033	38	8.18
	23:01	665	7.6	11,345	661	45.2	8.26	10,744	752	3.5	8.17	558	9.9	8.17
	23:16	675	7.8	9,683	652	47.1	8.29	12,044	803	2.5	8.2	0	0	0
	23:31	666	7.8	10,533	995	45.9	8.3	10,287	774	3	8.21	1,272	46.4	8.22
	23:46	675	7.6	11,691	652	44.1	8.3	9,620	754	3.6	8.21	1,652	18	8.22
AVERAGES/TOTALS		767	8.12	1,001,668	703	75.2	8.01	974,553	729	2.4	7.81	73,425	27.8	8.01
MAXIMUM		862	8.90	13,112	995	105.0	8.59	12,554	864	5.2	8.46	6,214	46.5	8.46
MINIMUM		656	6.60	8,882	581	43.0	7.35	78	5	0.3	7.01	40	1.5	7.17
1/13/2021														
	0:01	680	7.8	9,647	647	45.3	8.31	12,018	799	2.6	8.23	0	0	0
	0:16	699	7.8	10,111	995	44.3	8.32	11,020	773	3.1	8.24	537	43.9	8.24
	0:31	671	7.6	12,044	643	43.6	8.31	8,819	751	3.9	8.23	2,373	26.8	8.24
	0:46	664	7.8	9,659	661	46.4	8.34	12,010	799	2.7	8.26	0	0	0
	1:01	699	7.9	9,771	995	47.1	8.35	11,723	784	3.2	8.27	0	0	0
	1:16	670	7.6	12,378	639	44.4	8.35	8,131	736	4.3	8.28	2,892	29.1	8.29
	1:31	673	7.8	9,620	651	47.4	8.37	11,959	798	2.9	8.3	0	0	0
	1:46	676	8	9,578	995	47.1	8.38	11,896	794	3.3	8.31	0	0	0
	2:01	653	7.6	12,518	648	43.6	8.37	7,902	718	4.5	8.3	2,901	29.1	8.31
	2:16	698	7.8	9,600	625	45	8.36	11,925	796	3	8.29	0	0	0
	2:31	652	8	9,568	995	48.9	8.35	11,857	792	3.4	8.28	0	0	0
	2:46	679	7.7	12,495	640	46.5	8.34	7,729	719	4.7	8.27	3,076	28.9	8.28
	3:01	653	7.9	9,550	638	47.6	8.35	11,961	797	3.3	8.27	0	0	0
	3:16	650	8.1	9,536	657	48.2	8.35	11,875	792	3.6	8.28	0	0	0
	3:31	655	7.7	12,503	653	44.4	8.35	7,564	718	5	8.29	3,274	28.8	8.29
	3:46	674	7.9	9,573	624	47.3	8.37	11,899	793	3.4	8.31	0	0	0
	4:01	672	8.1	9,504	642	48.9	8.38	11,862	790	3.8	8.33	0	0	0
	4:16	672	7.7	12,502	663	47	8.4	7,374	721	5.2	8.34	3,452	28.2	8.35

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:31	658	7.9	9,532	628	48.7	8.42	11,839	790	3.6	8.36	0	0	0
	4:46	667	8.1	9,463	633	49.3	8.43	11,768	785	3.9	8.38	0	0	0
	5:01	647	7.8	12,444	654	47.7	8.44	7,431	724	5.4	8.38	3,451	27.7	8.39
	5:16	659	7.9	9,496	644	48.8	8.45	11,822	787	3.8	8.4	0	0	0
	5:31	665	8.1	9,440	629	49	8.47	11,721	781	4	8.42	0	0	0
	5:46	665	7.8	12,434	636	46.8	8.47	7,192	719	5.5	8.42	3,636	27.1	8.43
	6:01	655	8	9,526	640	48.9	8.49	11,841	788	4.1	8.44	0	0	0
	6:16	678	8.2	9,429	622	49.9	8.5	11,768	784	4.3	8.46	0	0	0
	6:31	659	7.8	12,396	680	48.8	8.51	6,928	712	5.4	8.46	3,803	27.6	8.47
	6:46	659	8	9,691	632	48.5	8.51	11,790	797	4.7	8.47	249	9.8	8.46
	7:01	671	8.2	9,442	642	49.1	8.52	11,714	780	4.6	8.48	0	0	0
	7:16	652	7.9	12,137	748	46.3	8.52	7,042	724	5.4	8.48	3,837	27.8	8.49
	7:31	673	8	9,954	878	46	8.52	11,703	790	5	8.49	249	9.8	8.48
	7:46	653	7.7	12,577	728	44.1	8.53	7,885	954	6.4	8.5	6,695	7	8.5
	8:01	674	7.2	13,538	786	43.5	8.53	4,571	952	6.6	8.5	8,560	15.6	8.5
	8:16	654	6.8	13,281	896	43.1	8.53	2,659	885	7	8.5	11,774	7	8.5
	8:31	661	6.5	13,265	865	42.8	8.53	0	0	0	0	14,925	7.2	8.51
	8:46	693	6	13,785	995	42.3	8.54	0	0	0	0	13,514	14.3	8.52
	9:01	678	5.7	13,559	898	42.2	8.55	0	0	0	0	14,323	9.4	8.53
	9:16	653	6.2	10,080	27	41.5	8.56	0	0	0	0	11,443	8.5	8.54
	9:31	0	6.4	5,525	0	45.5	8.56	0	0	0	0	6,260	9.1	8.55
	10:31	699	5.9	12,052	666	29.1	7.6	6,930	711	3.3	7.53	2,795	13.6	7.63
	10:46	703	5.9	9,646	613	28.2	7.6	11,926	795	1.4	7.57	0	0	0
	11:01	704	6.1	9,348	610	32.1	7.6	11,601	773	1.4	7.58	0	0	0
	11:16	706	5.9	12,241	695	32.6	7.62	8,078	659	2.7	7.59	2,013	33.9	7.59
	11:31	720	6	9,621	606	32.8	7.63	12,000	798	1.5	7.6	0	0	0
	11:46	695	6.3	9,338	613	32.1	7.64	11,563	772	1.5	7.61	0	0	0
	12:01	719	6.1	11,869	722	30.9	7.64	8,166	679	2.6	7.62	2,198	33.9	7.62
	12:16	673	6.2	9,953	627	30.5	7.64	11,661	777	1.6	7.62	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:31	688	6.4	9,312	622	29.4	7.66	11,497	768	1.4	7.64	0	0	0
	12:46	694	6.2	11,483	995	29	7.67	8,566	697	2.3	7.65	2,023	33.4	7.65
	13:01	682	6.3	10,267	620	29.3	7.67	11,349	757	1.5	7.65	0	0	0
	13:16	694	6.6	9,293	621	30.7	7.68	11,498	767	1.2	7.66	0	0	0
	13:31	691	6.4	11,083	995	30.6	7.68	8,813	716	1.9	7.67	2,050	32.8	7.67
	13:46	715	6.5	10,579	610	29.9	7.68	11,098	739	1.7	7.67	0	0	0
	14:01	712	6.8	9,280	609	28.4	7.68	11,490	765	1.1	7.67	0	0	0
	14:16	688	6.8	10,663	995	27.9	7.69	8,964	729	1.6	7.67	2,061	32.2	7.69
	14:31	692	6.8	10,928	619	27	7.69	10,820	721	1.8	7.68	0	0	0
	14:46	678	7.1	9,211	611	26.8	7.7	11,454	763	1	7.69	0	0	0
	15:01	693	7	10,284	995	26.7	7.71	9,333	728	1.4	7.69	1,620	36	7.7
	15:16	692	7	11,311	607	26.3	7.71	10,211	707	2	7.69	371	11.5	7.7
	15:31	693	7.3	9,228	607	26.7	7.71	11,462	762	1	7.7	0	0	0
	15:46	659	7.3	9,917	995	26.3	7.72	10,065	730	1.4	7.71	888	47.4	7.72
	16:01	684	7.1	11,641	609	25.4	7.72	9,403	699	2	7.71	1,104	21.1	7.72
	16:16	700	7.5	9,193	601	24.9	7.73	11,358	758	1.1	7.72	0	0	0
	16:31	692	7.6	9,496	995	24.3	7.73	10,864	730	1.4	7.72	165	10.4	7.72
	16:46	698	7.4	11,980	602	23.3	7.73	8,597	692	2.2	7.72	1,839	31.6	7.72
	17:01	678	7.7	9,149	609	22.7	7.73	11,333	756	1.1	7.72	0	0	0
	17:16	695	6.5	12,311	610	22.1	7.73	8,144	652	2.3	7.72	1,840	27.6	7.72
	17:31	709	6.8	9,125	606	22.7	7.73	11,395	759	1.2	7.72	0	0	0
	17:46	722	7.1	9,057	604	22.5	7.73	11,252	752	1.3	7.72	0	0	0
	18:01	702	6.8	12,132	608	21.2	7.73	8,105	651	2.3	7.72	1,896	29.7	7.73
	18:16	693	7.1	9,164	599	21.3	7.73	11,360	758	1.5	7.72	0	0	0
	18:31	719	7.3	9,072	583	20.6	7.73	11,242	750	1.4	7.72	0	0	0
	18:46	739	7.1	11,899	636	20	7.73	8,054	650	2.4	7.73	1,824	27.3	7.74
	19:01	678	7.3	9,454	600	20	7.73	11,229	745	1.6	7.73	0	0	0
	19:16	680	7.6	9,091	602	19.9	7.73	11,290	754	1.5	7.74	0	0	0
	19:31	675	7.4	11,554	710	19.4	7.73	8,401	679	2.3	7.74	1,854	28.4	7.74

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:46	693	7.5	9,854	610	18.9	7.74	11,080	737	1.9	7.74	0	0	0
	20:01	698	7.8	9,162	613	18.6	7.75	11,414	760	1.6	7.74	0	0	0
	20:16	713	7.7	11,188	993	17.9	7.75	8,758	709	2.3	7.74	1,859	27.4	7.76
	20:31	719	7.8	10,346	611	17.3	7.75	10,837	721	2.1	7.74	0	0	0
	20:46	715	8	9,218	621	16	7.75	11,524	767	1.7	7.75	0	0	0
	21:01	724	8	10,861	995	15.8	7.75	9,067	731	2.2	7.76	1,880	25.5	7.76
	21:16	691	8	10,742	633	15.4	7.76	10,667	710	2.4	7.76	0	0	0
	21:31	714	8.2	9,291	608	15.2	7.77	11,529	769	1.9	7.77	0	0	0
	21:46	693	8.2	10,533	995	14.7	7.78	9,189	740	2.1	7.78	1,833	25.4	7.8
	22:01	725	8.2	11,121	625	14.6	7.79	10,499	700	2.7	7.8	0	5.9	7.8
	22:16	707	8.5	9,309	636	14.6	7.8	11,582	772	2	7.8	0	0	0
	22:31	701	8.5	10,168	995	14.6	7.8	10,016	745	2.3	7.82	1,097	33.8	7.82
	22:46	701	8.4	11,553	616	14.6	7.8	9,763	698	2.9	7.82	746	12.3	7.82
	23:01	709	8.6	9,355	612	14.6	7.82	11,672	775	2.2	7.82	0	0	0
	23:16	692	8.7	9,784	995	14.4	7.82	10,804	749	2.4	7.82	361	41	7.84
	23:31	707	8.5	11,940	611	13.9	7.82	9,006	692	3.1	7.83	1,478	20.6	7.84
	23:46	0	8	9,402	621	13.5	7.83	11,655	777	2.3	7.84	0	0	0
	AVERAGES/TOTALS	686	7.38	976,203	701	32.7	8.02	898,832	753	2.8	7.96	157,019	23.7	8.05
	MAXIMUM	739	8.70	13,785	995	49.9	8.56	12,018	954	7.0	8.50	14,925	47.4	8.55
	MINIMUM	647	5.70	5,525	27	13.5	7.60	2,659	650	1.0	7.53	165	5.9	7.59
1/14/2021														
	0:01	721	8.2	9,399	995	13.2	7.83	11,352	764	2.5	7.84	0	0	0
	0:16	737	7.9	12,290	616	13.5	7.84	8,484	676	3.4	7.84	1,871	24.7	7.84
	0:31	724	8.2	9,344	615	13.2	7.84	11,618	776	2.7	7.86	0	0	0
	0:46	720	8.4	9,315	995	13.2	7.85	11,571	771	2.8	7.86	0	0	0
	1:01	720	8.1	12,439	630	13	7.84	8,248	666	3.7	7.86	1,867	22.4	7.86
	1:16	699	8.4	9,388	634	12.7	7.84	11,653	778	2.7	7.86	0	0	0
	1:31	0	8.5	9,330	985	12	7.84	11,556	772	2.8	7.85	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:46	684	7.7	12,414	614	12.3	7.81	8,179	661	3.8	7.82	1,826	24.8	7.82
	2:01	693	8	9,397	631	12.3	7.8	11,671	777	2.8	7.79	0	0	0
	2:16	676	8.2	9,320	630	11.8	7.79	11,511	771	2.9	7.79	0	0	0
	2:31	719	7.9	12,403	620	11.9	7.81	8,180	658	3.8	7.81	1,825	22.2	7.81
	2:46	681	8.1	9,443	617	11.8	7.81	11,656	778	2.8	7.81	0	0	0
	3:01	714	8.3	9,335	635	11.8	7.82	11,601	773	2.9	7.82	0	0	0
	3:16	695	8	12,436	624	11.3	7.83	8,232	660	3.8	7.83	1,823	22.7	7.83
	3:31	710	8.1	9,392	616	11.2	7.83	11,672	781	2.9	7.83	0	0	0
	3:46	715	8.4	9,322	627	10.5	7.83	11,625	774	3	7.83	0	0	0
	4:01	687	8.1	12,398	627	10.7	7.83	8,186	657	4	7.83	1,827	22.3	7.83
	4:16	687	8.3	9,411	621	10.6	7.83	11,765	785	3.1	7.84	0	0	0
	4:31	0	8.1	9,325	619	10.5	7.84	11,718	780	3.2	7.84	0	0	0
	4:46	672	7.6	12,390	617	10.5	7.84	8,262	665	4	7.84	1,870	24.2	7.84
	5:01	719	7.8	9,399	625	10.5	7.85	11,710	782	3.2	7.84	0	0	0
	5:16	704	8	9,320	600	10.5	7.84	11,672	775	3.3	7.84	0	0	0
	5:31	670	7.7	12,341	622	10.5	7.84	8,212	658	4	7.83	1,824	22.2	7.84
	5:46	689	7.9	9,411	602	10.5	7.83	11,767	784	3.4	7.82	0	0	0
	6:01	689	8.1	9,326	630	10.5	7.82	11,675	777	3.3	7.81	0	0	0
	6:16	673	7.9	12,036	637	10.4	7.82	8,349	672	4	7.81	1,856	23.7	7.81
	6:31	677	8	9,695	636	10.6	7.82	11,538	769	3.5	7.81	0	0	0
	6:46	726	8.3	9,316	622	10.5	7.82	11,674	776	3.4	7.81	0	0	0
	7:01	707	8.1	11,684	717	10.5	7.81	8,623	697	4	7.8	1,846	24	7.81
	7:16	709	8.2	10,074	618	10.5	7.81	11,310	753	3.7	7.79	0	0	0
	7:31	708	8.5	9,367	635	10.5	7.8	11,633	777	3.5	7.78	0	0	0
	7:46	670	8.3	11,303	994	10.1	7.79	8,892	716	4	7.77	1,834	23.7	7.78
	8:01	0	8.6	2,723	0	9.3	7.79	1,383	493	4.7	7.78	0	4.3	7.78
	16:31	0	8.2	2,299	259	5.4	7.74	0	0	0	0	0	36.4	7.59
	16:46	0	7.6	3,986	261	3.8	7.74	0	0	0	0	0	37.6	7.57

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		700	8.11	340,771	648	10.9	7.82	337,178	732	3.4	7.82	20,269	23.9	7.79
MAXIMUM		737	8.60	12,439	995	13.5	7.85	11,767	785	4.7	7.86	1,871	37.6	7.86
MINIMUM		670	7.60	2,299	259	3.8	7.74	1,383	493	2.5	7.77	1,823	4.3	7.57
1/15/2021														
	10:01	0	3.4	4,037	0	3.8	7.72	0	0	0	0	0	35.5	7.54
AVERAGES/TOTALS			3.40	4,037		3.8	7.72						35.5	7.54
MAXIMUM			3.40	4,037		3.8	7.72						35.5	7.54
MINIMUM			3.40	4,037		3.8	7.72						35.5	7.54
1/18/2021														
	11:01	700	8	2,998	995	34.9	6.33	0	0	0	0	2,180	50.2	5.9
	11:16	712	7.4	14,128	995	48.9	6.51	0	0	0	0	12,307	19.3	6.37
	11:31	723	6.7	13,852	823	17.6	6.81	5,120	889	7	6.82	7,539	8.4	6.82
	11:46	685	8.2	4,792	0	17	6.79	3,595	847	6.8	6.82	1,383	21	6.82
	14:01	693	7.9	3,825	995	22.8	6.88	0	0	0	0	3,129	14.9	6.89
	14:16	0	7.5	12,592	692	16.7	6.87	11,284	883	5.4	6.86	1,696	5.5	6.87
	14:31	0	7.6	10,052	651	20.3	6.86	12,480	831	7.2	6.85	0	0	0
	14:46	0	7.5	10,694	995	24	6.88	11,818	790	2	6.68	0	0	0
AVERAGES/TOTALS		703	7.60	72,933	878	25.3	6.74	44,297	848	5.7	6.81	28,234	19.9	6.61
MAXIMUM		723	8.20	14,128	995	48.9	6.88	12,480	889	7.2	6.86	12,307	50.2	6.89
MINIMUM		685	6.70	2,998	651	16.7	6.33	3,595	790	2.0	6.68	1,383	5.5	5.90

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
DATA SUMMARY														
AVERAGES/TOTALS		749	7.23	8,734,242	695	61.1	7.93	7,659,262	721	2.9	7.79	967,785	20.1	7.78
MAXIMUM		995	8.90	14,383	995	447.7	9.08	13,299	988	9.5	8.50	14,925	50.2	9.09
MINIMUM		28	3.40	74	11	3.8	6.18	78	5	0.3	6.55	5	0.1	2.83

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS.
MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

JANUARY 2021

Downloaded: 2/15/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
1/1/2021													
12:16	776	7.1	4,036	654	36.1	7.76	4,751	830	1.7	7.53	31	0.8	7.53
12:16	776	7.1	4,036	654	36.1	7.76	4,751	830	1.7	7.53	31	0.8	7.53
12:31	761	7.1	9,331	947	17.2	7.83	11,127	741	0.9	7.55	0	0	0
12:31	761	7.1	9,331	947	17.2	7.83	11,127	741	0.9	7.55	0	0	0
12:46	0	7.2	10,004	0	39.3	7.93	4,169	373	1.8	7.6	64	0.8	7.63
12:46	0	7.2	10,004	0	39.3	7.93	4,169	373	1.8	7.6	64	0.8	7.63
13:01	758	7.2	5,018	632	45.1	8.02	5,770	802	0.8	7.71	347	0.6	7.67
13:01	758	7.2	5,018	632	45.1	8.02	5,770	802	0.8	7.71	347	0.6	7.67
13:16	768	7.3	9,278	601	45.7	8.09	10,965	729	0.9	7.76	0	0	0
13:16	768	7.3	9,278	601	45.7	8.09	10,965	729	0.9	7.76	0	0	0
13:31	773	7.4	9,959	995	50.3	8.16	9,364	692	1.4	7.86	958	42.2	7.92
13:31	773	7.4	9,959	995	50.3	8.16	9,364	692	1.4	7.86	958	42.2	7.92
13:46	781	7.3	11,674	603	49.8	8.16	9,276	673	2.6	7.97	797	17.2	7.92
13:46	781	7.3	11,674	603	49.8	8.16	9,276	673	2.6	7.97	797	17.2	7.92
14:01	769	7.6	9,198	597	52.6	7.82	10,848	721	0.6	7.95	0	0	0
14:01	769	7.6	9,198	597	52.6	7.82	10,848	721	0.6	7.95	0	0	0
14:16	765	7.8	9,469	945	53.4	7.69	10,207	685	0.6	7.89	0	0	0
14:16	765	7.8	9,469	945	53.4	7.69	10,207	685	0.6	7.89	0	0	0
14:31	0	7.4	11,920	615	50.9	7.7	9,287	616	1.3	7.85	0	0	0
14:31	0	7.4	11,920	615	50.9	7.7	9,287	616	1.3	7.85	0	0	0
14:46	0	7.7	2,007	0	57.3	7.71	2,348	725	0.6	7.84	45	0.7	7.83
14:46	0	7.7	2,007	0	57.3	7.71	2,348	725	0.6	7.84	45	0.7	7.83
22:01	772	7.6	3,456	631	75.5	7.7	3,994	825	1.1	7.68	82	0.6	7.67

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:01	772	7.6	3,456	631	75.5	7.7	3,994	825	1.1	7.68	82	0.6	7.67
	22:16	771	7.7	9,331	613	24.8	7.76	11,099	739	0.7	7.71	0	0	0
	22:16	771	7.7	9,331	613	24.8	7.76	11,099	739	0.7	7.71	0	0	0
	22:31	781	7.5	12,041	649	44.1	7.83	8,605	573	1.2	7.76	0	0	0
	22:31	781	7.5	12,041	649	44.1	7.83	8,605	573	1.2	7.76	0	0	0
	22:46	776	7.7	9,367	600	53.9	7.9	11,130	742	0.9	7.81	0	0	0
	22:46	776	7.7	9,367	600	53.9	7.9	11,130	742	0.9	7.81	0	0	0
	23:01	797	8	9,130	605	54.7	7.95	10,854	721	0.6	7.85	0	0	0
	23:01	797	8	9,130	605	54.7	7.95	10,854	721	0.6	7.85	0	0	0
	23:16	767	8	11,641	660	52.7	8	8,767	586	1	7.89	0	0	0
	23:16	767	8	11,641	660	52.7	8	8,767	586	1	7.89	0	0	0
	23:31	772	8.2	9,512	622	52.7	8.04	11,115	739	0.8	7.92	0	0	0
	23:31	772	8.2	9,512	622	52.7	8.04	11,115	739	0.8	7.92	0	0	0
	23:46	781	8.1	11,975	663	50	8.07	8,683	578	1	7.96	0	0	0
	23:46	781	8.1	11,975	663	50	8.07	8,683	578	1	7.96	0	0	0
AVERAGES/TOTALS		773	7.57	336,694	684	47.7	7.90	324,718	689	1.1	7.79	4,648	9.0	7.74
MAXIMUM		797	8.20	12,041	995	75.5	8.16	11,130	830	2.6	7.97	958	42.2	7.92
MINIMUM		758	7.10	2,007	597	17.2	7.69	2,348	373	0.6	7.53	31	0.6	7.53
1/2/2021														
	0:01	0	7.5	9,073	0	45.4	8.09	10,720	741	0.8	7.99	0	0.7	8
	0:01	0	7.5	9,073	0	45.4	8.09	10,720	741	0.8	7.99	0	0.7	8
	10:01	769	7.5	4,095	633	75.3	7.95	4,779	822	1	7.82	71	0.7	7.82
	10:01	769	7.5	4,095	633	75.3	7.95	4,779	822	1	7.82	71	0.7	7.82
	10:16	793	7.7	9,209	604	21.3	8	11,015	736	0.7	7.83	0	0	0
	10:16	793	7.7	9,209	604	21.3	8	11,015	736	0.7	7.83	0	0	0
	10:31	788	7.5	12,261	611	32.3	8.03	8,742	582	1.2	7.86	0	0	0
	10:31	788	7.5	12,261	611	32.3	8.03	8,742	582	1.2	7.86	0	0	0
	10:46	779	7.7	9,216	594	39.1	8.07	10,957	728	0.7	7.9	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:46	779	7.7	9,216	594	39.1	8.07	10,957	728	0.7	7.9	0	0	0
	11:01	775	8	9,211	624	40.2	8.1	10,961	731	0.7	7.93	0	0	0
	11:01	775	8	9,211	624	40.2	8.1	10,961	731	0.7	7.93	0	0	0
	11:16	765	7.8	12,424	635	40.3	8.11	6,349	423	1.3	7.96	0	0	0
	11:16	765	7.8	12,424	635	40.3	8.11	6,349	423	1.3	7.96	0	0	0
	11:31	777	8	8,554	643	41	8.13	8,127	637	0.8	7.99	54	0.8	7.99
	11:31	777	8	8,554	643	41	8.13	8,127	637	0.8	7.99	54	0.8	7.99
	11:46	779	8.2	9,602	635	40.5	8.13	11,311	753	0.7	8.01	0	0	0
	11:46	779	8.2	9,602	635	40.5	8.13	11,311	753	0.7	8.01	0	0	0
	12:01	778	8	12,413	683	38.3	8.14	8,762	586	1.1	8.04	0	0	0
	12:01	778	8	12,413	683	38.3	8.14	8,762	586	1.1	8.04	0	0	0
	12:16	778	8.2	9,880	642	37.4	8.14	11,576	774	0.8	8.07	0	0	0
	12:16	778	8.2	9,880	642	37.4	8.14	11,576	774	0.8	8.07	0	0	0
	12:31	779	8.4	9,558	629	37.5	8.16	11,210	748	0.7	8.09	0	0	0
	12:31	779	8.4	9,558	629	37.5	8.16	11,210	748	0.7	8.09	0	0	0
	12:46	778	8.3	12,095	724	35.4	8.15	8,766	590	1	8.1	0	0	0
	12:46	778	8.3	12,095	724	35.4	8.15	8,766	590	1	8.1	0	0	0
	13:01	768	8.4	10,037	648	35.5	8.16	11,592	767	0.8	8.11	0	0	0
	13:01	768	8.4	10,037	648	35.5	8.16	11,592	767	0.8	8.11	0	0	0
	13:16	779	8.7	9,545	635	37.1	8.16	11,268	750	0.7	8.13	0	0	0
	13:16	779	8.7	9,545	635	37.1	8.16	11,268	750	0.7	8.13	0	0	0
	13:31	0	8.6	11,774	726	35.3	8.16	9,064	609	1	8.13	0	0	0
	13:31	0	8.6	11,774	726	35.3	8.16	9,064	609	1	8.13	0	0	0
	13:46	774	7.7	10,349	633	32.5	8.17	11,225	745	0.9	8.14	0	0	0
	13:46	774	7.7	10,349	633	32.5	8.17	11,225	745	0.9	8.14	0	0	0
	14:01	783	7.9	9,567	617	32.3	8.17	11,240	747	0.7	8.15	0	0	0
	14:01	783	7.9	9,567	617	32.3	8.17	11,240	747	0.7	8.15	0	0	0
	14:16	775	7.9	11,402	991	36.3	8.17	9,345	628	0.9	8.15	0	0	0
	14:16	775	7.9	11,402	991	36.3	8.17	9,345	628	0.9	8.15	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:31	780	7.9	10,674	637	36.6	8.18	10,922	730	0.9	8.16	0	0	0
	14:31	780	7.9	10,674	637	36.6	8.18	10,922	730	0.9	8.16	0	0	0
	14:46	795	8.2	9,516	641	36.6	8.19	11,313	754	0.7	8.16	0	0	0
	14:46	795	8.2	9,516	641	36.6	8.19	11,313	754	0.7	8.16	0	0	0
	15:01	784	8.2	11,095	989	36.8	8.19	9,637	648	0.9	8.17	0	0	0
	15:01	784	8.2	11,095	989	36.8	8.19	9,637	648	0.9	8.17	0	0	0
	15:16	782	8.2	10,995	647	36.6	8.2	10,671	709	0.9	8.18	0	0	0
	15:16	782	8.2	10,995	647	36.6	8.2	10,671	709	0.9	8.18	0	0	0
	15:31	781	8.4	9,569	634	36.4	8.2	11,294	752	0.7	8.18	0	0	0
	15:31	781	8.4	9,569	634	36.4	8.2	11,294	752	0.7	8.18	0	0	0
	15:46	771	8.5	10,726	989	32.7	8.19	9,957	670	0.9	8.18	0	0	0
	15:46	771	8.5	10,726	989	32.7	8.19	9,957	670	0.9	8.18	0	0	0
	16:01	0	7.6	12,397	993	31.5	8.17	9,328	618	1.1	8.18	0	0	0
	16:01	0	7.6	12,397	993	31.5	8.17	9,328	618	1.1	8.18	0	0	0
	16:16	770	7.3	11,443	642	28.7	8.17	10,246	682	1	8.18	0	0	0
	16:16	770	7.3	11,443	642	28.7	8.17	10,246	682	1	8.18	0	0	0
	16:31	758	7.6	9,532	631	31.1	8.19	11,257	751	0.8	8.18	0	0	0
	16:31	758	7.6	9,532	631	31.1	8.19	11,257	751	0.8	8.18	0	0	0
	16:46	785	7.7	10,237	981	36.1	8.2	10,408	693	1	8.19	0	0	0
	16:46	785	7.7	10,237	981	36.1	8.2	10,408	693	1	8.19	0	0	0
	17:01	764	7.6	11,707	612	36.5	8.22	9,904	661	1.2	8.19	0	0	0
	17:01	764	7.6	11,707	612	36.5	8.22	9,904	661	1.2	8.19	0	0	0
	17:16	782	7.8	9,518	646	38.5	8.24	11,298	755	0.9	8.2	0	0	0
	17:16	782	7.8	9,518	646	38.5	8.24	11,298	755	0.9	8.2	0	0	0
	17:31	786	8	9,889	995	40.3	8.18	10,781	719	0.9	8.2	0	0	0
	17:31	786	8	9,889	995	40.3	8.18	10,781	719	0.9	8.2	0	0	0
	17:46	792	7.9	12,079	632	44.8	7.95	9,677	643	1.1	8.11	0	0	0
	17:46	792	7.9	12,079	632	44.8	7.95	9,677	643	1.1	8.11	0	0	0
	18:01	777	8.1	9,530	638	49	7.78	11,283	753	0.9	7.95	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:01	777	8.1	9,530	638	49	7.78	11,283	753	0.9	7.95	0	0	0
	18:16	784	8.3	9,581	972	53.1	7.69	11,144	743	0.9	7.8	0	0	0
	18:16	784	8.3	9,581	972	53.1	7.69	11,144	743	0.9	7.8	0	0	0
	18:31	765	8.2	12,337	637	54.2	7.69	9,277	620	1.2	7.72	0	0	0
	18:31	765	8.2	12,337	637	54.2	7.69	9,277	620	1.2	7.72	0	0	0
	18:46	797	8.4	9,503	638	57.4	7.74	11,330	758	1	7.7	0	0	0
	18:46	797	8.4	9,503	638	57.4	7.74	11,330	758	1	7.7	0	0	0
	19:01	783	8.6	9,420	961	57.3	7.81	11,251	750	1	7.71	0	0	0
	19:01	783	8.6	9,420	961	57.3	7.81	11,251	750	1	7.71	0	0	0
	19:16	763	7.1	12,358	616	53.7	7.89	9,173	611	1.6	7.73	0	0	0
	19:16	763	7.1	12,358	616	53.7	7.89	9,173	611	1.6	7.73	0	0	0
	19:31	761	7.4	9,513	622	49.8	7.97	11,350	755	1.1	7.76	0	0	0
	19:31	761	7.4	9,513	622	49.8	7.97	11,350	755	1.1	7.76	0	0	0
	19:46	782	7.6	9,452	948	61.9	8.05	11,233	750	1.2	7.79	0	0	0
	19:46	782	7.6	9,452	948	61.9	8.05	11,233	750	1.2	7.79	0	0	0
	20:01	783	7.4	12,406	617	65.6	8.12	8,598	633	2.6	7.84	1,059	22.7	7.83
	20:01	783	7.4	12,406	617	65.6	8.12	8,598	633	2.6	7.84	1,059	22.7	7.83
	20:16	774	7.7	9,537	618	69	8.04	11,370	757	0.8	7.85	0	0	0
	20:16	774	7.7	9,537	618	69	8.04	11,370	757	0.8	7.85	0	0	0
	20:31	773	7.9	9,484	633	70	7.8	11,285	751	0.3	7.77	0	0	0
	20:31	773	7.9	9,484	633	70	7.8	11,285	751	0.3	7.77	0	0	0
	20:46	793	7.7	12,358	625	71.2	7.72	9,085	604	0.8	7.7	0	0	0
	20:46	793	7.7	12,358	625	71.2	7.72	9,085	604	0.8	7.7	0	0	0
	21:01	780	8	9,494	638	74	7.72	11,343	757	0.4	7.68	0	0	0
	21:01	780	8	9,494	638	74	7.72	11,343	757	0.4	7.68	0	0	0
	21:16	785	8.2	9,426	622	73.7	7.8	11,264	749	0.4	7.69	0	0	0
	21:16	785	8.2	9,426	622	73.7	7.8	11,264	749	0.4	7.69	0	0	0
	21:31	788	8.1	12,265	643	72.3	7.93	9,163	611	1.7	7.71	0	0	0
	21:31	788	8.1	12,265	643	72.3	7.93	9,163	611	1.7	7.71	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:46	792	8.3	9,527	642	76.3	8.08	11,357	757	0.8	7.75	0	0	0
	21:46	792	8.3	9,527	642	76.3	8.08	11,357	757	0.8	7.75	0	0	0
	22:01	774	8.6	9,486	614	81.7	8.21	11,317	753	1.8	7.8	0	0	0
	22:01	774	8.6	9,486	614	81.7	8.21	11,317	753	1.8	7.8	0	0	0
	22:16	778	8.3	12,785	645	79.1	8.33	6,717	677	3.9	7.87	3,928	27.3	7.88
	22:16	778	8.3	12,785	645	79.1	8.33	6,717	677	3.9	7.87	3,928	27.3	7.88
	22:31	785	8.5	9,576	639	80.6	8.44	11,329	755	2	7.94	0	0	0
	22:31	785	8.5	9,576	639	80.6	8.44	11,329	755	2	7.94	0	0	0
	22:46	783	8.8	9,526	630	81.5	8.53	11,212	749	3.4	8.03	0	0	0
	22:46	783	8.8	9,526	630	81.5	8.53	11,212	749	3.4	8.03	0	0	0
	23:01	792	8.5	12,647	659	80.2	8.61	5,977	696	5.1	8.12	4,918	28.2	8.15
	23:01	792	8.5	12,647	659	80.2	8.61	5,977	696	5.1	8.12	4,918	28.2	8.15
	23:16	787	8.7	9,759	633	85.6	8.68	11,373	773	2.8	8.24	249	7.3	8.18
	23:16	787	8.7	9,759	633	85.6	8.68	11,373	773	2.8	8.24	249	7.3	8.18
	23:31	0	8.1	10,552	995	84.2	8.75	9,401	734	4.4	8.33	1,643	46.4	8.39
	23:31	0	8.1	10,552	995	84.2	8.75	9,401	734	4.4	8.33	1,643	46.4	8.39
	23:46	0	7.4	11,380	0	74.3	8.8	7,686	752	3.5	8.46	3,237	15.6	8.43
	23:46	0	7.4	11,380	0	74.3	8.8	7,686	752	3.5	8.46	3,237	15.6	8.43
AVERAGES/TOTALS		779	8.01	1,183,088	699	50.7	8.12	1,156,440	704	1.3	8.00	30,318	16.6	8.07
MAXIMUM		797	8.80	12,785	995	85.6	8.80	11,592	822	5.1	8.46	4,918	46.4	8.43
MINIMUM		758	7.10	4,095	594	21.3	7.69	4,779	423	0.3	7.68	54	0.7	7.82
1/3/2021														
	8:01	0	6.5	7,186	0	67.6	9.08	0	0	0	0	5,844	9.5	9.09
	8:01	0	6.5	7,186	0	67.6	9.08	0	0	0	0	5,844	9.5	9.09
	8:16	0	6.5	101	0	28	9.08	0	0	0	0	0	1.6	9.07
	8:16	0	6.5	101	0	28	9.08	0	0	0	0	0	1.6	9.07
	9:01	767	6.4	1,799	755	38.1	8.03	1,148	886	4.9	8.07	902	8.1	7.93
	9:01	767	6.4	1,799	755	38.1	8.03	1,148	886	4.9	8.07	902	8.1	7.93

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:16	789	6.5	10,186	649	36.7	8.14	12,133	809	1.5	8.06	0	0	0
	9:16	789	6.5	10,186	649	36.7	8.14	12,133	809	1.5	8.06	0	0	0
	9:31	787	6.5	9,749	995	74.8	8.24	11,004	738	2	8.07	0	0	0
	9:31	787	6.5	9,749	995	74.8	8.24	11,004	738	2	8.07	0	0	0
	9:46	777	6.3	12,979	642	84.1	8.09	7,637	754	4.5	8.11	3,957	26.7	8.11
	9:46	777	6.3	12,979	642	84.1	8.09	7,637	754	4.5	8.11	3,957	26.7	8.11
	10:01	766	6.5	9,495	628	94.9	8.02	11,357	756	4.1	8.1	0	0	0
	10:01	766	6.5	9,495	628	94.9	8.02	11,357	756	4.1	8.1	0	0	0
	10:16	773	6.3	12,299	830	92.6	8.1	5,753	709	5.7	8.08	5,044	27.9	8.1
	10:16	773	6.3	12,299	830	92.6	8.1	5,753	709	5.7	8.08	5,044	27.9	8.1
	10:31	774	6.4	10,628	619	93.3	7.95	11,064	819	2	8.09	1,493	24.2	8.11
	10:31	774	6.4	10,628	619	93.3	7.95	11,064	819	2	8.09	1,493	24.2	8.11
	10:46	772	6.6	9,539	968	98.5	7.75	10,951	738	1.2	8.03	0	0	0
	10:46	772	6.6	9,539	968	98.5	7.75	10,951	738	1.2	8.03	0	0	0
	11:01	773	6.5	12,379	642	96.8	7.75	9,035	638	4.8	7.98	691	14.3	7.99
	11:01	773	6.5	12,379	642	96.8	7.75	9,035	638	4.8	7.98	691	14.3	7.99
	11:16	760	6.8	9,384	630	97.1	7.86	11,265	750	4.6	7.95	0	0	0
	11:16	760	6.8	9,384	630	97.1	7.86	11,265	750	4.6	7.95	0	0	0
	11:31	0	6.8	12,184	0	96.7	8.02	5,618	708	5.9	7.94	5,163	28.9	7.96
	11:31	0	6.8	12,184	0	96.7	8.02	5,618	708	5.9	7.94	5,163	28.9	7.96
	11:46	809	6.8	9,408	715	100.3	8.18	9,680	831	6.2	8.01	1,137	20.6	7.98
	11:46	809	6.8	9,408	715	100.3	8.18	9,680	831	6.2	8.01	1,137	20.6	7.98
	12:01	829	7	10,482	691	99.4	8.18	12,206	814	5.7	8	0	0	0
	12:01	829	7	10,482	691	99.4	8.18	12,206	814	5.7	8	0	0	0
	12:16	821	6.9	11,896	995	99	8.17	10,760	721	5.5	7.96	0	0	0
	12:16	821	6.9	11,896	995	99	8.17	10,760	721	5.5	7.96	0	0	0
	12:31	817	7	11,329	703	97.4	8.15	2,046	140	5.3	7.91	0	0	0
	12:31	817	7	11,329	703	97.4	8.15	2,046	140	5.3	7.91	0	0	0
	12:46	829	7.2	10,408	686	95.2	8.11	0	0	5.2	7.87	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:46	829	7.2	10,408	686	95.2	8.11	0	0	5.2	7.87	0	0	0
	13:01	829	7.2	11,524	995	92.7	8.07	0	0	5.1	7.83	0	0	0
	13:01	829	7.2	11,524	995	92.7	8.07	0	0	5.1	7.83	0	0	0
	13:16	819	7.4	9,870	684	89.9	8.03	1,468	113	5	7.8	127	4.9	7.79
	13:16	819	7.4	9,870	684	89.9	8.03	1,468	113	5	7.8	127	4.9	7.79
	13:31	811	7.6	10,179	674	86.2	7.99	11,537	766	4.8	7.76	0	0	0
	13:31	811	7.6	10,179	674	86.2	7.99	11,537	766	4.8	7.76	0	0	0
	13:46	826	7.7	10,383	995	81	7.96	11,190	751	4.7	7.74	0	0	0
	13:46	826	7.7	10,383	995	81	7.96	11,190	751	4.7	7.74	0	0	0
	14:01	827	7.6	12,492	691	74.4	7.93	9,760	648	4.6	7.71	0	0	0
	14:01	827	7.6	12,492	691	74.4	7.93	9,760	648	4.6	7.71	0	0	0
	14:16	821	7.9	10,130	667	67.8	7.89	11,589	766	4.5	7.68	0	0	0
	14:16	821	7.9	10,130	667	67.8	7.89	11,589	766	4.5	7.68	0	0	0
	14:31	818	8.1	10,116	995	62.4	7.86	11,464	765	4.4	7.65	0	0	0
	14:31	818	8.1	10,116	995	62.4	7.86	11,464	765	4.4	7.65	0	0	0
	14:46	827	8	12,759	672	58.3	7.83	9,669	647	4.3	7.62	0	0	0
	14:46	827	8	12,759	672	58.3	7.83	9,669	647	4.3	7.62	0	0	0
	15:01	817	8.2	10,191	662	55.1	7.79	11,755	779	4.3	7.59	0	0	0
	15:01	817	8.2	10,191	662	55.1	7.79	11,755	779	4.3	7.59	0	0	0
	15:16	833	8.5	10,112	995	52.6	7.77	11,611	774	4.2	7.57	0	0	0
	15:16	833	8.5	10,112	995	52.6	7.77	11,611	774	4.2	7.57	0	0	0
	15:31	814	8.3	12,766	671	50.4	7.74	9,603	643	4.1	7.54	0	0	0
	15:31	814	8.3	12,766	671	50.4	7.74	9,603	643	4.1	7.54	0	0	0
	15:46	827	8.6	10,177	660	49.1	7.72	11,708	776	4.1	7.51	0	0	0
	15:46	827	8.6	10,177	660	49.1	7.72	11,708	776	4.1	7.51	0	0	0
	16:01	0	7.6	12,071	991	47.5	7.7	10,114	675	4	7.48	0	0	0
	16:01	0	7.6	12,071	991	47.5	7.7	10,114	675	4	7.48	0	0	0
	16:16	824	6.4	10,843	685	46.4	7.68	11,151	741	3.9	7.45	0	0	0
	16:16	824	6.4	10,843	685	46.4	7.68	11,151	741	3.9	7.45	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:31	831	6.7	10,099	661	45.4	7.66	11,571	767	3.9	7.42	0	0	0
	16:31	831	6.7	10,099	661	45.4	7.66	11,571	767	3.9	7.42	0	0	0
	16:46	818	6.6	11,689	995	44.2	7.64	10,194	687	3.9	7.39	0	0	0
	16:46	818	6.6	11,689	995	44.2	7.64	10,194	687	3.9	7.39	0	0	0
	17:01	836	6.7	11,169	655	43.8	7.62	10,937	729	3.8	7.37	0	0	0
	17:01	836	6.7	11,169	655	43.8	7.62	10,937	729	3.8	7.37	0	0	0
	17:16	821	7	10,122	676	42.8	7.61	11,722	778	3.7	7.34	0	0	0
	17:16	821	7	10,122	676	42.8	7.61	11,722	778	3.7	7.34	0	0	0
	17:31	829	7	11,359	995	42.3	7.59	10,613	707	3.7	7.31	0	0	0
	17:31	829	7	11,359	995	42.3	7.59	10,613	707	3.7	7.31	0	0	0
	17:46	831	7	11,466	688	79.9	7.65	10,710	710	3.9	7.32	0	0	0
	17:46	831	7	11,466	688	79.9	7.65	10,710	710	3.9	7.32	0	0	0
	18:01	817	7.3	10,153	653	89.5	8.01	11,745	778	5.8	7.54	0	0	0
	18:01	817	7.3	10,153	653	89.5	8.01	11,745	778	5.8	7.54	0	0	0
	18:16	827	7.4	11,057	995	91.5	8.03	9,488	756	5.2	7.69	1,509	45.3	7.77
	18:16	827	7.4	11,057	995	91.5	8.03	9,488	756	5.2	7.69	1,509	45.3	7.77
	18:31	824	7.3	12,096	780	55.4	7.92	7,219	759	6	7.59	3,965	16.7	7.65
	18:31	824	7.3	12,096	780	55.4	7.92	7,219	759	6	7.59	3,965	16.7	7.65
	18:46	822	7.3	11,747	688	50.4	7.93	819	793	5.3	7.26	12,493	4.3	8.88
	18:46	822	7.3	11,747	688	50.4	7.93	819	793	5.3	7.26	12,493	4.3	8.88
	19:01	820	7.4	10,829	995	66.3	7.08	10,414	758	3.7	7.07	765	47.6	7.06
	19:01	820	7.4	10,829	995	66.3	7.08	10,414	758	3.7	7.07	765	47.6	7.06
	19:16	827	7.3	12,276	678	67.3	7.41	1,072	118	4.7	7.3	2,921	19.2	7.2
	19:16	827	7.3	12,276	678	67.3	7.41	1,072	118	4.7	7.3	2,921	19.2	7.2
	19:31	0	7.9	8,254	0	66.9	7.62	2,950	253	3.8	7.4	95	4.1	7.53
	19:31	0	7.9	8,254	0	66.9	7.62	2,950	253	3.8	7.4	95	4.1	7.53
	19:46	0	7.8	6,115	995	65.3	7.98	6,905	762	3.9	7.62	58	4	7.53
	19:46	0	7.8	6,115	995	65.3	7.98	6,905	762	3.9	7.62	58	4	7.53
	20:01	725	6.5	12,789	638	52.8	7.98	5,083	714	4.7	7.66	5,119	21.8	7.82

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:01	725	6.5	12,789	638	52.8	7.98	5,083	714	4.7	7.66	5,119	21.8	7.82
	20:16	718	6.6	9,434	636	49.3	7.73	11,357	757	2.5	7.49	0	0	0
	20:16	718	6.6	9,434	636	49.3	7.73	11,357	757	2.5	7.49	0	0	0
	20:31	703	6.7	9,406	622	56.6	7.87	11,244	751	4	7.6	0	0	0
	20:31	703	6.7	9,406	622	56.6	7.87	11,244	751	4	7.6	0	0	0
	20:46	719	6.2	12,864	625	57.2	8.03	5,569	742	5.3	7.78	5,553	26.3	7.78
	20:46	719	6.2	12,864	625	57.2	8.03	5,569	742	5.3	7.78	5,553	26.3	7.78
	21:01	723	6.4	9,393	618	59.3	8.14	11,258	752	3.8	7.88	0	0	0
	21:01	723	6.4	9,393	618	59.3	8.14	11,258	752	3.8	7.88	0	0	0
	21:16	732	6.5	9,354	609	59.6	8.21	11,223	747	4.7	7.96	0	0	0
	21:16	732	6.5	9,354	609	59.6	8.21	11,223	747	4.7	7.96	0	0	0
	21:31	731	6.1	12,826	615	55.7	8.26	5,734	736	5.7	8.02	5,327	27.1	8.03
	21:31	731	6.1	12,826	615	55.7	8.26	5,734	736	5.7	8.02	5,327	27.1	8.03
	21:46	732	6.3	9,404	622	58.6	8.34	11,270	752	3.6	8.08	0	0	0
	21:46	732	6.3	9,404	622	58.6	8.34	11,270	752	3.6	8.08	0	0	0
	22:01	732	6.5	9,294	623	59.1	8.44	11,158	746	4.5	8.18	0	0	0
	22:01	732	6.5	9,294	623	59.1	8.44	11,158	746	4.5	8.18	0	0	0
	22:16	725	6.1	12,797	635	55.5	8.47	5,729	719	5.9	8.24	5,301	27.3	8.25
	22:16	725	6.1	12,797	635	55.5	8.47	5,729	719	5.9	8.24	5,301	27.3	8.25
	22:31	731	6.2	9,403	622	58.7	8.46	11,255	752	3.5	8.23	0	0	0
	22:31	731	6.2	9,403	622	58.7	8.46	11,255	752	3.5	8.23	0	0	0
	22:46	733	6.4	9,282	604	58.5	8.42	11,212	745	4.4	8.19	0	0	0
	22:46	733	6.4	9,282	604	58.5	8.42	11,212	745	4.4	8.19	0	0	0
	23:01	731	6	12,699	655	55.6	8.39	5,154	730	5.6	8.15	5,942	25.3	8.14
	23:01	731	6	12,699	655	55.6	8.39	5,154	730	5.6	8.15	5,942	25.3	8.14
	23:16	725	6.1	9,489	612	54.9	8.36	11,388	762	3.7	8.11	0	0	0
	23:16	725	6.1	9,489	612	54.9	8.36	11,388	762	3.7	8.11	0	0	0
	23:31	733	6.3	9,262	610	54.3	8.34	11,195	746	4.5	8.08	0	0	0
	23:31	733	6.3	9,262	610	54.3	8.34	11,195	746	4.5	8.08	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:46	718	6	12,462	696	51.2	8.34	6,010	707	5.9	8.07	4,718	28.2	8.07
	23:46	718	6	12,462	696	51.2	8.34	6,010	707	5.9	8.07	4,718	28.2	8.07
AVERAGES/TOTALS		787	6.94	1,287,266	736	67.0	8.01	1,052,948	705	4.4	7.78	156,248	20.2	7.99
MAXIMUM		836	8.60	12,979	995	100.3	9.08	12,206	886	6.2	8.24	12,493	47.6	9.09
MINIMUM		703	6.00	101	604	28.0	7.08	819	113	1.2	7.07	58	1.6	7.06
1/4/2021														
	0:01	695	6	9,691	624	51.4	8.34	11,125	765	3.9	8.06	498	11.5	8.09
	0:01	695	6	9,691	624	51.4	8.34	11,125	765	3.9	8.06	498	11.5	8.09
	0:16	719	6.2	9,249	614	50.3	8.34	11,150	742	4.5	8.06	0	0	0
	0:16	719	6.2	9,249	614	50.3	8.34	11,150	742	4.5	8.06	0	0	0
	0:31	718	5.9	12,254	804	48	8.34	6,315	685	5.7	8.06	4,010	29.5	8.06
	0:31	718	5.9	12,254	804	48	8.34	6,315	685	5.7	8.06	4,010	29.5	8.06
	0:46	725	6	9,846	628	47.9	8.32	10,474	765	4	8.04	1,244	12.6	8.06
	0:46	725	6	9,846	628	47.9	8.32	10,474	765	4	8.04	1,244	12.6	8.06
	1:01	720	6.2	9,261	605	47.1	8.32	11,158	741	4.3	8.02	0	0	0
	1:01	720	6.2	9,261	605	47.1	8.32	11,158	741	4.3	8.02	0	0	0
	1:16	732	5.9	11,822	860	44.9	8.33	6,201	667	5.2	8.02	1,029	29	8.03
	1:16	732	5.9	11,822	860	44.9	8.33	6,201	667	5.2	8.02	1,029	29	8.03
	1:31	726	5.9	10,129	625	43.7	8.33	9,556	668	4.3	8.03	746	11.7	8.05
	1:31	726	5.9	10,129	625	43.7	8.33	9,556	668	4.3	8.03	746	11.7	8.05
	1:46	721	6.1	9,224	614	42	8.33	11,129	741	4.1	8.02	0	0	0
	1:46	721	6.1	9,224	614	42	8.33	11,129	741	4.1	8.02	0	0	0
	2:01	736	5.9	11,451	995	42.3	8.35	6,924	708	4.8	8.02	3,615	30.5	8.06
	2:01	736	5.9	11,451	995	42.3	8.35	6,924	708	4.8	8.02	3,615	30.5	8.06
	2:16	722	5.9	10,553	611	42.7	8.4	10,140	751	4.7	8.08	1,354	11.4	8.08
	2:16	722	5.9	10,553	611	42.7	8.4	10,140	751	4.7	8.08	1,354	11.4	8.08
	2:31	727	6.1	9,193	628	40.4	8.44	11,065	740	4.2	8.12	0	0	0
	2:31	727	6.1	9,193	628	40.4	8.44	11,065	740	4.2	8.12	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:46	739	5.9	11,076	995	38.3	8.45	7,594	708	4.6	8.14	3,001	32.5	8.16
	2:46	739	5.9	11,076	995	38.3	8.45	7,594	708	4.6	8.14	3,001	32.5	8.16
	3:01	714	5.9	10,683	602	37.5	8.46	9,943	738	4.7	8.15	1,132	13.3	8.16
	3:01	714	5.9	10,683	602	37.5	8.46	9,943	738	4.7	8.15	1,132	13.3	8.16
	3:16	731	6.1	9,200	618	37.5	8.48	11,040	737	4	8.16	0	0	0
	3:16	731	6.1	9,200	618	37.5	8.48	11,040	737	4	8.16	0	0	0
	3:31	731	6	10,645	995	35.8	8.49	8,344	709	4.5	8.17	2,254	37.6	8.19
	3:31	731	6	10,645	995	35.8	8.49	8,344	709	4.5	8.17	2,254	37.6	8.19
	3:46	708	5.9	11,050	619	35.8	8.49	1,223	104	4.8	8.18	1,575	13.1	8.19
	3:46	708	5.9	11,050	619	35.8	8.49	1,223	104	4.8	8.18	1,575	13.1	8.19
	4:01	724	6.1	9,175	597	34.9	8.49	0	0	3.9	8.18	0	0	0
	4:01	724	6.1	9,175	597	34.9	8.49	0	0	3.9	8.18	0	0	0
	4:16	719	6	10,232	995	35.5	8.49	0	0	4.6	8.17	0	44.7	8.19
	4:16	719	6	10,232	995	35.5	8.49	0	0	4.6	8.17	0	44.7	8.19
	4:31	739	5.9	11,221	595	34.4	8.51	0	0	4.8	8.2	0	16.2	8.2
	4:31	739	5.9	11,221	595	34.4	8.51	0	0	4.8	8.2	0	16.2	8.2
	4:46	732	6.1	9,137	608	34.7	8.53	0	0	4	8.22	0	0	0
	4:46	732	6.1	9,137	608	34.7	8.53	0	0	4	8.22	0	0	0
	5:01	717	6.1	9,861	995	35	8.52	0	0	4.6	8.22	0	46.7	8.22
	5:01	717	6.1	9,861	995	35	8.52	0	0	4.6	8.22	0	46.7	8.22
	5:16	699	5.9	11,577	601	35.1	8.5	0	0	5.1	8.2	0	22	8.22
	5:16	699	5.9	11,577	601	35.1	8.5	0	0	5.1	8.2	0	22	8.22
	5:31	708	6.2	9,205	605	36.4	8.5	0	0	4.3	8.18	0	0	0
	5:31	708	6.2	9,205	605	36.4	8.5	0	0	4.3	8.18	0	0	0
	5:46	706	6.2	9,480	995	34.9	8.49	0	0	4.9	8.18	0	30.2	8.19
	5:46	706	6.2	9,480	995	34.9	8.49	0	0	4.9	8.18	0	30.2	8.19
	6:01	724	6	11,983	605	33.1	8.49	0	0	5.3	8.17	0	27.5	8.18
	6:01	724	6	11,983	605	33.1	8.49	0	0	5.3	8.17	0	27.5	8.18
	6:16	715	6.2	9,142	606	33.9	8.48	0	0	4.2	8.16	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:16	715	6.2	9,142	606	33.9	8.48	0	0	4.2	8.16	0	0	0
	6:31	724	6.3	9,098	995	33.4	8.47	0	0	4.8	8.15	0	0	0
	6:31	724	6.3	9,098	995	33.4	8.47	0	0	4.8	8.15	0	0	0
	6:46	722	6	12,304	623	31.4	8.45	0	0	5.4	8.14	0	27.1	8.16
	6:46	722	6	12,304	623	31.4	8.45	0	0	5.4	8.14	0	27.1	8.16
	7:01	711	6.2	9,142	608	33	8.45	0	0	4.3	8.13	0	0	0
	7:01	711	6.2	9,142	608	33	8.45	0	0	4.3	8.13	0	0	0
	7:16	742	6.4	9,083	995	34.1	8.44	0	0	4.9	8.12	0	0	0
	7:16	742	6.4	9,083	995	34.1	8.44	0	0	4.9	8.12	0	0	0
	7:31	720	6.1	12,486	609	32.3	8.45	0	0	5.8	8.12	0	26.3	8.13
	7:31	720	6.1	12,486	609	32.3	8.45	0	0	5.8	8.12	0	26.3	8.13
	7:46	723	6.3	9,115	594	32.1	8.43	0	0	4.3	8.11	0	0	0
	7:46	723	6.3	9,115	594	32.1	8.43	0	0	4.3	8.11	0	0	0
	8:01	0	6.7	2,124	0	32.2	8.42	0	0	4.6	8.09	0	5	8.09
	8:01	0	6.7	2,124	0	32.2	8.42	0	0	4.6	8.09	0	5	8.09
	8:16	713	6.6	7,825	995	27	8.42	0	0	4.8	8.07	0	4.5	8.09
	8:16	713	6.6	7,825	995	27	8.42	0	0	4.8	8.07	0	4.5	8.09
	8:31	0	6.3	12,313	11	28.6	8.4	0	0	5.3	8.08	0	26	8.09
	8:31	0	6.3	12,313	11	28.6	8.4	0	0	5.3	8.08	0	26	8.09
	8:46	723	6.3	7,219	616	31.8	8.4	7,408	646	4.5	8.06	127	4	8.07
	8:46	723	6.3	7,219	616	31.8	8.4	7,408	646	4.5	8.06	127	4	8.07
	9:01	712	6.4	9,077	995	31.3	8.4	11,202	747	4	8.06	0	0	0
	9:01	712	6.4	9,077	995	31.3	8.4	11,202	747	4	8.06	0	0	0
	9:16	726	6.1	12,252	592	29.5	8.39	7,318	677	4	8.06	3,010	28.2	8.07
	9:16	726	6.1	12,252	592	29.5	8.39	7,318	677	4	8.06	3,010	28.2	8.07
	9:31	734	6.3	8,986	604	29.8	8.37	11,014	733	2.4	8.04	0	0	0
	9:31	734	6.3	8,986	604	29.8	8.37	11,014	733	2.4	8.04	0	0	0
	9:46	732	6.5	8,922	931	31.8	8.37	10,944	729	3.1	8.04	0	0	0
	9:46	732	6.5	8,922	931	31.8	8.37	10,944	729	3.1	8.04	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:01	729	6.2	12,198	604	30.8	8.39	7,189	664	4.1	8.05	2,891	29.5	8.05
	10:01	729	6.2	12,198	604	30.8	8.39	7,189	664	4.1	8.05	2,891	29.5	8.05
	10:16	732	6.4	8,934	603	32.2	8.4	10,920	730	2.4	8.06	0	0	0
	10:16	732	6.4	8,934	603	32.2	8.4	10,920	730	2.4	8.06	0	0	0
	10:31	718	6.6	8,865	600	32.4	8.43	10,884	726	3	8.08	0	0	0
	10:31	718	6.6	8,865	600	32.4	8.43	10,884	726	3	8.08	0	0	0
	10:46	726	6.3	12,128	591	31.4	8.45	7,196	667	4.1	8.11	2,965	29	8.12
	10:46	726	6.3	12,128	591	31.4	8.45	7,196	667	4.1	8.11	2,965	29	8.12
	11:01	701	6.5	8,831	601	31.8	8.45	10,881	728	2.2	8.13	0	0	0
	11:01	701	6.5	8,831	601	31.8	8.45	10,881	728	2.2	8.13	0	0	0
	11:16	742	6.7	8,873	583	32	8.43	10,873	725	2.8	8.1	0	0	0
	11:16	742	6.7	8,873	583	32	8.43	10,873	725	2.8	8.1	0	0	0
	11:31	727	6.4	12,145	604	29.8	8.39	7,086	656	4.2	8.07	2,889	29	8.07
	11:31	727	6.4	12,145	604	29.8	8.39	7,086	656	4.2	8.07	2,889	29	8.07
	11:46	716	6.6	8,875	586	29.7	8.36	10,879	725	2.2	8.03	0	0	0
	11:46	716	6.6	8,875	586	29.7	8.36	10,879	725	2.2	8.03	0	0	0
	12:01	726	6.8	8,845	598	31.6	8.34	10,833	724	2.9	8	0	0	0
	12:01	726	6.8	8,845	598	31.6	8.34	10,833	724	2.9	8	0	0	0
	12:16	712	6.5	12,132	573	31.5	8.34	7,063	652	4.5	7.99	2,879	29	8
	12:16	712	6.5	12,132	573	31.5	8.34	7,063	652	4.5	7.99	2,879	29	8
	12:31	717	6.7	8,854	579	33.1	8.34	10,861	724	2.4	8	0	0	0
	12:31	717	6.7	8,854	579	33.1	8.34	10,861	724	2.4	8	0	0	0
	12:46	729	7	8,795	595	32.4	8.35	10,801	720	3.3	8	0	0	0
	12:46	729	7	8,795	595	32.4	8.35	10,801	720	3.3	8	0	0	0
	13:01	709	6.7	12,101	574	29.9	8.35	7,399	626	5.1	7.96	2,196	33.5	7.96
	13:01	709	6.7	12,101	574	29.9	8.35	7,399	626	5.1	7.96	2,196	33.5	7.96
	13:16	724	6.9	8,843	596	28.8	8.32	10,896	725	1.7	7.96	0	0	0
	13:16	724	6.9	8,843	596	28.8	8.32	10,896	725	1.7	7.96	0	0	0
	13:31	722	7.1	8,879	579	26.2	8.29	10,896	726	2.6	7.96	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:31	722	7.1	8,879	579	26.2	8.29	10,896	726	2.6	7.96	0	0	0
	13:46	734	6.8	12,116	603	24.1	8.3	7,527	623	4.2	7.98	2,007	32.2	7.98
	13:46	734	6.8	12,116	603	24.1	8.3	7,527	623	4.2	7.98	2,007	32.2	7.98
	14:01	723	7	8,912	590	23.7	8.34	10,869	728	2.3	8.01	0	0	0
	14:01	723	7	8,912	590	23.7	8.34	10,869	728	2.3	8.01	0	0	0
	14:16	718	7.2	8,897	586	24.4	8.4	10,888	726	2.8	8.07	0	0	0
	14:16	718	7.2	8,897	586	24.4	8.4	10,888	726	2.8	8.07	0	0	0
	14:31	731	6.9	11,885	610	23.8	8.41	7,500	641	4.3	8.1	2,229	32	8.11
	14:31	731	6.9	11,885	610	23.8	8.41	7,500	641	4.3	8.1	2,229	32	8.11
	14:46	709	7.1	9,123	591	26.9	8.42	10,845	722	2.7	8.1	0	0	0
	14:46	709	7.1	9,123	591	26.9	8.42	10,845	722	2.7	8.1	0	0	0
	15:01	721	7.3	8,874	585	28.7	8.41	10,857	726	3.3	8.1	0	0	0
	15:01	721	7.3	8,874	585	28.7	8.41	10,857	726	3.3	8.1	0	0	0
	15:16	710	7.1	11,488	654	27.7	8.37	7,167	686	4.6	8.07	3,067	27.8	8.06
	15:16	710	7.1	11,488	654	27.7	8.37	7,167	686	4.6	8.07	3,067	27.8	8.06
	15:31	729	7.2	9,537	590	28.9	8.35	10,659	706	3.3	8.04	0	0	0
	15:31	729	7.2	9,537	590	28.9	8.35	10,659	706	3.3	8.04	0	0	0
	15:46	723	7.4	8,870	591	29.5	8.34	10,946	728	3.5	8.03	0	0	0
	15:46	723	7.4	8,870	591	29.5	8.34	10,946	728	3.5	8.03	0	0	0
	16:01	725	7.2	11,068	995	28.4	8.32	7,505	697	4.5	8.01	2,908	29.8	8.01
	16:01	725	7.2	11,068	995	28.4	8.32	7,505	697	4.5	8.01	2,908	29.8	8.01
	16:16	0	7.6	8,652	0	27.4	8.31	8,685	695	3.5	8	234	6.2	8
	16:16	0	7.6	8,652	0	27.4	8.31	8,685	695	3.5	8	234	6.2	8
AVERAGES/TOTALS		722	6.41	1,310,012	673	33.8	8.40	878,744	696	4.0	8.08	95,720	24.1	8.10
MAXIMUM		742	7.60	12,486	995	51.4	8.53	11,202	765	5.8	8.22	4,010	46.7	8.22
MINIMUM		695	5.90	2,124	11	23.7	8.29	1,223	104	1.7	7.96	127	4.0	7.96
1/5/2021														
	11:16	725	7.5	3,401	629	4.1	6.36	3,079	829	2.6	7.59	1,100	8.5	3.71

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:16	725	7.5	3,401	629	4.1	6.36	3,079	829	2.6	7.59	1,100	8.5	3.71
	11:31	725	7.5	9,086	607	4.1	8.09	10,961	728	1.1	7.74	0	0	0
	11:31	725	7.5	9,086	607	4.1	8.09	10,961	728	1.1	7.74	0	0	0
	11:46	724	7.2	12,174	649	7	8.17	7,444	602	2.4	7.86	1,681	18.2	7.88
	11:46	724	7.2	12,174	649	7	8.17	7,444	602	2.4	7.86	1,681	18.2	7.88
	12:01	698	7.3	9,177	585	10.2	8.26	11,017	736	1.6	7.96	0	0	0
	12:01	698	7.3	9,177	585	10.2	8.26	11,017	736	1.6	7.96	0	0	0
	12:16	726	7.5	8,850	592	11.7	8.33	10,708	713	1.7	8.02	0	0	0
	12:16	726	7.5	8,850	592	11.7	8.33	10,708	713	1.7	8.02	0	0	0
	12:31	707	7.2	11,858	661	11.1	8.37	7,599	615	2.8	8.07	1,643	27.6	8.09
	12:31	707	7.2	11,858	661	11.1	8.37	7,599	615	2.8	8.07	1,643	27.6	8.09
	12:46	719	7.3	9,409	602	12.8	8.42	10,892	723	2.1	8.11	0	0	0
	12:46	719	7.3	9,409	602	12.8	8.42	10,892	723	2.1	8.11	0	0	0
	13:01	728	7.6	8,892	593	13.1	8.46	10,631	711	2	8.15	0	0	0
	13:01	728	7.6	8,892	593	13.1	8.46	10,631	711	2	8.15	0	0	0
	13:16	724	7.3	11,422	699	12.5	8.48	7,682	634	3	8.17	1,805	28.1	8.19
	13:16	724	7.3	11,422	699	12.5	8.48	7,682	634	3	8.17	1,805	28.1	8.19
	13:31	731	7.4	9,739	570	12.9	8.5	10,688	707	2.5	8.19	0	0	0
	13:31	731	7.4	9,739	570	12.9	8.5	10,688	707	2.5	8.19	0	0	0
	13:46	704	7.6	8,847	586	13.1	8.51	10,712	714	2.2	8.19	0	0	0
	13:46	704	7.6	8,847	586	13.1	8.51	10,712	714	2.2	8.19	0	0	0
	14:01	719	7.4	11,017	989	12.7	8.51	8,064	665	3.1	8.19	1,857	27.5	8.2
	14:01	719	7.4	11,017	989	12.7	8.51	8,064	665	3.1	8.19	1,857	27.5	8.2
	14:16	719	7.4	10,104	597	13.3	8.51	10,387	689	2.9	8.19	0	0	0
	14:16	719	7.4	10,104	597	13.3	8.51	10,387	689	2.9	8.19	0	0	0
	14:31	711	7.7	8,855	585	13.6	8.54	10,767	715	2.4	8.21	0	0	0
	14:31	711	7.7	8,855	585	13.6	8.54	10,767	715	2.4	8.21	0	0	0
	14:46	715	7.5	10,600	995	14.2	8.54	8,179	677	3	8.21	1,831	28	8.21
	14:46	715	7.5	10,600	995	14.2	8.54	8,179	677	3	8.21	1,831	28	8.21

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:01	723	7.5	10,496	595	17	8.53	10,193	675	3.6	8.2	0	0	0
	15:01	723	7.5	10,496	595	17	8.53	10,193	675	3.6	8.2	0	0	0
	15:16	718	7.7	8,904	607	19.4	8.54	10,839	722	3	8.2	0	0	0
	15:16	718	7.7	8,904	607	19.4	8.54	10,839	722	3	8.2	0	0	0
	15:31	706	7.6	10,438	995	23	8.53	8,905	725	3.9	8.19	1,911	37.7	8.2
	15:31	706	7.6	10,438	995	23	8.53	8,905	725	3.9	8.19	1,911	37.7	8.2
	15:46	705	7.4	11,221	607	31.8	8.52	9,724	757	4.8	8.19	1,650	13.4	8.19
	15:46	705	7.4	11,221	607	31.8	8.52	9,724	757	4.8	8.19	1,650	13.4	8.19
	16:01	716	7.6	9,176	595	41	8.5	11,267	752	5	8.16	0	0	0
	16:01	716	7.6	9,176	595	41	8.5	11,267	752	5	8.16	0	0	0
	16:16	723	7.6	10,067	995	41.3	8.45	9,621	728	6.3	8.12	1,252	47.7	8.09
	16:16	723	7.6	10,067	995	41.3	8.45	9,621	728	6.3	8.12	1,252	47.7	8.09
	16:31	726	7.1	12,807	995	41.2	8.39	5,849	790	4.9	8.04	5,826	20.2	8.07
	16:31	726	7.1	12,807	995	41.2	8.39	5,849	790	4.9	8.04	5,826	20.2	8.07
	16:46	712	6.8	12,137	581	44.8	8.33	5,068	722	4.6	7.97	5,808	17.6	8
	16:46	712	6.8	12,137	581	44.8	8.33	5,068	722	4.6	7.97	5,808	17.6	8
	17:01	0	7.5	2,249	723	46	8.27	2,309	657	3.7	7.88	164	3.6	7.85
	17:01	0	7.5	2,249	723	46	8.27	2,309	657	3.7	7.88	164	3.6	7.85
	17:16	725	7.3	9,338	995	38.2	8.24	8,285	671	4.4	7.86	1,078	38.9	7.84
	17:16	725	7.3	9,338	995	38.2	8.24	8,285	671	4.4	7.86	1,078	38.9	7.84
	17:31	720	7	11,523	606	41.6	8.2	8,359	732	4.2	7.77	2,528	17.3	7.81
	17:31	720	7	11,523	606	41.6	8.2	8,359	732	4.2	7.77	2,528	17.3	7.81
	17:46	732	7.2	8,922	594	47.2	8.14	10,949	728	3.7	7.66	0	0	0
	17:46	732	7.2	8,922	594	47.2	8.14	10,949	728	3.7	7.66	0	0	0
	18:01	717	7	11,078	995	44.1	8.11	7,443	698	4.7	7.69	3,000	29.7	7.66
	18:01	717	7	11,078	995	44.1	8.11	7,443	698	4.7	7.69	3,000	29.7	7.66
	18:16	743	7.1	10,214	612	41.9	8.09	10,704	724	4.5	7.68	173	9	7.67
	18:16	743	7.1	10,214	612	41.9	8.09	10,704	724	4.5	7.68	173	9	7.67
	18:31	720	7.3	8,944	595	43.3	8.04	10,931	729	5.7	7.67	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:31	720	7.3	8,944	595	43.3	8.04	10,931	729	5.7	7.67	0	0	0
	18:46	702	7.1	10,646	995	43.6	8.02	7,920	708	7.6	7.65	2,682	36.8	7.66
	18:46	702	7.1	10,646	995	43.6	8.02	7,920	708	7.6	7.65	2,682	36.8	7.66
	19:01	731	7	11,261	596	41	8.03	7,885	787	5.3	7.65	4,014	14.8	7.68
	19:01	731	7	11,261	596	41	8.03	7,885	787	5.3	7.65	4,014	14.8	7.68
	19:16	714	7.2	8,953	607	42.3	7.99	10,895	728	5.7	7.62	0	0	0
	19:16	714	7.2	8,953	607	42.3	7.99	10,895	728	5.7	7.62	0	0	0
	19:31	715	7.2	10,313	995	42.2	7.98	8,605	706	7.8	7.6	1,923	44.5	7.62
	19:31	715	7.2	10,313	995	42.2	7.98	8,605	706	7.8	7.6	1,923	44.5	7.62
	19:46	711	6.9	11,628	598	42.2	7.98	6,862	791	5.9	7.61	4,899	16.5	7.63
	19:46	711	6.9	11,628	598	42.2	7.98	6,862	791	5.9	7.61	4,899	16.5	7.63
	20:01	704	7.2	8,948	596	42.8	7.96	10,863	727	6.9	7.59	0	0	0
	20:01	704	7.2	8,948	596	42.8	7.96	10,863	727	6.9	7.59	0	0	0
	20:16	721	7	10,644	995	40.7	7.96	7,937	706	8.2	7.58	2,629	37.9	7.6
	20:16	721	7	10,644	995	40.7	7.96	7,937	706	8.2	7.58	2,629	37.9	7.6
	20:31	724	6.9	11,316	586	37	7.97	7,652	786	5.5	7.6	4,178	15.5	7.62
	20:31	724	6.9	11,316	586	37	7.97	7,652	786	5.5	7.6	4,178	15.5	7.62
	20:46	719	7.1	8,934	604	33.8	7.95	10,921	728	6.1	7.58	0	0	0
	20:46	719	7.1	8,934	604	33.8	7.95	10,921	728	6.1	7.58	0	0	0
	21:01	719	7.1	10,280	995	33.7	7.94	8,651	705	7.2	7.57	1,947	42.7	7.57
	21:01	719	7.1	10,280	995	33.7	7.94	8,651	705	7.2	7.57	1,947	42.7	7.57
	21:16	744	6.9	11,690	587	34.6	7.91	6,877	788	5.7	7.53	4,895	15.6	7.57
	21:16	744	6.9	11,690	587	34.6	7.91	6,877	788	5.7	7.53	4,895	15.6	7.57
	21:31	739	7.1	8,938	594	35.5	7.88	10,890	724	6.5	7.51	0	0	0
	21:31	739	7.1	8,938	594	35.5	7.88	10,890	724	6.5	7.51	0	0	0
	21:46	718	7.1	9,846	995	35.1	7.88	9,353	705	7.7	7.51	1,230	47.2	7.51
	21:46	718	7.1	9,846	995	35.1	7.88	9,353	705	7.7	7.51	1,230	47.2	7.51
	22:01	725	6.8	12,037	587	33.6	7.89	6,126	790	5.7	7.51	5,539	18.3	7.53
	22:01	725	6.8	12,037	587	33.6	7.89	6,126	790	5.7	7.51	5,539	18.3	7.53

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:16	718	7.1	8,898	598	35.8	7.9	10,855	723	6.5	7.52	0	0	0
	22:16	718	7.1	8,898	598	35.8	7.9	10,855	723	6.5	7.52	0	0	0
	22:31	737	7.1	9,437	995	37.9	7.91	10,080	704	7.9	7.55	506	43.6	7.55
	22:31	737	7.1	9,437	995	37.9	7.91	10,080	704	7.9	7.55	506	43.6	7.55
	22:46	723	6.8	12,453	615	40.9	7.9	5,400	800	6.5	7.51	6,210	23.8	7.55
	22:46	723	6.8	12,453	615	40.9	7.9	5,400	800	6.5	7.51	6,210	23.8	7.55
	23:01	735	7	8,849	597	47.4	7.83	10,811	720	7.6	7.47	0	0	0
	23:01	735	7	8,849	597	47.4	7.83	10,811	720	7.6	7.47	0	0	0
	23:16	717	7.2	9,013	995	46.6	7.78	10,699	713	9.3	7.41	0	0	0
	23:16	717	7.2	9,013	995	46.6	7.78	10,699	713	9.3	7.41	0	0	0
	23:31	713	6.8	12,869	585	44.5	7.77	4,536	789	6.8	7.39	6,982	26.4	7.42
	23:31	713	6.8	12,869	585	44.5	7.77	4,536	789	6.8	7.39	6,982	26.4	7.42
	23:46	722	7	8,876	589	49.6	7.73	10,893	724	7.4	7.35	0	0	0
	23:46	722	7	8,876	589	49.6	7.73	10,893	724	7.4	7.35	0	0	0
AVERAGES/TOTALS		720	7.23	1,013,548	712	30.8	8.14	907,934	722	4.8	7.81	161,882	26.1	7.66
MAXIMUM		744	7.70	12,869	995	49.6	8.54	11,267	829	9.3	8.21	6,982	47.7	8.21
MINIMUM		698	6.80	2,249	570	4.1	6.36	2,309	602	1.1	7.35	164	3.6	3.71
1/6/2021														
	0:01	0	7.5	7,883	0	48.3	7.7	9,545	721	9.1	7.33	87	10	7.32
	0:01	0	7.5	7,883	0	48.3	7.7	9,545	721	9.1	7.33	87	10	7.32
	0:16	0	7.4	927	995	58.2	7.7	0	0	0	0	1,090	22.2	7.34
	0:16	0	7.4	927	995	58.2	7.7	0	0	0	0	1,090	22.2	7.34
	0:31	734	6.3	13,142	590	28.9	7.72	4,662	842	4.9	7.34	7,261	25.2	7.35
	0:31	734	6.3	13,142	590	28.9	7.72	4,662	842	4.9	7.34	7,261	25.2	7.35
	0:46	712	6.4	8,838	585	38.9	7.69	10,786	719	4.8	7.32	0	0	0
	0:46	712	6.4	8,838	585	38.9	7.69	10,786	719	4.8	7.32	0	0	0
	1:01	720	6.5	8,819	995	50.3	7.69	10,757	718	8.4	7.31	0	0	0
	1:01	720	6.5	8,819	995	50.3	7.69	10,757	718	8.4	7.31	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:16	729	6	13,351	598	49.1	7.72	3,417	855	8.1	7.35	8,586	27.4	7.36
	1:16	729	6	13,351	598	49.1	7.72	3,417	855	8.1	7.35	8,586	27.4	7.36
	1:31	711	6.2	8,864	572	51.5	7.74	10,827	723	7.6	7.36	0	0	0
	1:31	711	6.2	8,864	572	51.5	7.74	10,827	723	7.6	7.36	0	0	0
	1:46	726	6.2	10,632	850	50.5	7.78	5,733	719	9.2	7.38	6,956	23.4	7.42
	1:46	726	6.2	10,632	850	50.5	7.78	5,733	719	9.2	7.38	6,956	23.4	7.42
	2:01	729	5.6	13,984	857	47.9	7.84	0	0	0	0	12,607	22.6	7.48
	2:01	729	5.6	13,984	857	47.9	7.84	0	0	0	0	12,607	22.6	7.48
	2:16	728	5.6	8,766	194	64.7	7.91	249	813	4.2	7.45	9,926	15.1	7.53
	2:16	728	5.6	8,766	194	64.7	7.91	249	813	4.2	7.45	9,926	15.1	7.53
	2:31	728	6.6	4,149	856	47.1	7.96	0	408	9.4	7.55	4,888	21.7	7.57
	2:31	728	6.6	4,149	856	47.1	7.96	0	408	9.4	7.55	4,888	21.7	7.57
	2:46	719	6.4	10,060	864	50.9	7.94	1,391	820	8.7	7.56	7,122	23.8	7.55
	2:46	719	6.4	10,060	864	50.9	7.94	1,391	820	8.7	7.56	7,122	23.8	7.55
	3:01	735	6.3	10,289	589	50.5	7.92	9,803	785	5.7	7.55	2,274	26.4	7.55
	3:01	735	6.3	10,289	589	50.5	7.92	9,803	785	5.7	7.55	2,274	26.4	7.55
	3:16	712	6.5	8,780	569	54.2	7.89	10,728	716	7.9	7.53	0	0	0
	3:16	712	6.5	8,780	569	54.2	7.89	10,728	716	7.9	7.53	0	0	0
	3:31	746	6.2	11,937	917	50	7.88	4,687	720	9.5	7.53	6,641	33.4	7.52
	3:31	746	6.2	11,937	917	50	7.88	4,687	720	9.5	7.53	6,641	33.4	7.52
	3:46	722	6.1	10,646	589	45.2	7.84	9,003	789	4.8	7.48	2,996	22.1	7.5
	3:46	722	6.1	10,646	589	45.2	7.84	9,003	789	4.8	7.48	2,996	22.1	7.5
	4:01	731	6.4	8,819	571	46.3	7.8	10,815	720	6.5	7.45	0	0	0
	4:01	731	6.4	8,819	571	46.3	7.8	10,815	720	6.5	7.45	0	0	0
	4:16	722	6.2	10,907	995	48.1	7.78	7,003	717	8.8	7.43	3,606	35.7	7.43
	4:16	722	6.2	10,907	995	48.1	7.78	7,003	717	8.8	7.43	3,606	35.7	7.43
	4:31	719	6.1	10,956	591	44.3	7.77	8,461	787	4.9	7.41	3,445	18.1	7.43
	4:31	719	6.1	10,956	591	44.3	7.77	8,461	787	4.9	7.41	3,445	18.1	7.43
	4:46	724	6.3	8,771	577	45.4	7.74	10,751	717	6.4	7.39	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:46	724	6.3	8,771	577	45.4	7.74	10,751	717	6.4	7.39	0	0	0
	5:01	696	6.2	10,540	995	47.6	7.73	7,759	715	8.7	7.37	2,902	38.5	7.38
	5:01	696	6.2	10,540	995	47.6	7.73	7,759	715	8.7	7.37	2,902	38.5	7.38
	5:16	734	6.1	11,319	588	44.9	7.74	7,691	794	5.1	7.37	4,107	18.5	7.38
	5:16	734	6.1	11,319	588	44.9	7.74	7,691	794	5.1	7.37	4,107	18.5	7.38
	5:31	728	6.3	8,770	586	48.4	7.74	10,752	717	6.7	7.37	0	0	0
	5:31	728	6.3	8,770	586	48.4	7.74	10,752	717	6.7	7.37	0	0	0
	5:46	718	6.3	10,232	995	50.4	7.79	7,884	719	9	7.42	3,011	40.1	7.45
	5:46	718	6.3	10,232	995	50.4	7.79	7,884	719	9	7.42	3,011	40.1	7.45
	6:01	729	6.1	11,744	574	50.7	7.84	6,718	794	5.6	7.48	5,175	21.2	7.46
	6:01	729	6.1	11,744	574	50.7	7.84	6,718	794	5.6	7.48	5,175	21.2	7.46
	6:16	742	6.3	8,731	589	57.7	7.92	10,808	718	7.9	7.54	0	0	0
	6:16	742	6.3	8,731	589	57.7	7.92	10,808	718	7.9	7.54	0	0	0
	6:31	726	6.2	11,030	995	56.6	8.02	5,564	717	9.3	7.62	6,552	31.9	7.68
	6:31	726	6.2	11,030	995	56.6	8.02	5,564	717	9.3	7.62	6,552	31.9	7.68
	6:46	721	5.8	12,154	572	55.4	8.09	6,070	808	5.8	7.75	5,791	26.6	7.72
	6:46	721	5.8	12,154	572	55.4	8.09	6,070	808	5.8	7.75	5,791	26.6	7.72
	7:01	721	6.1	8,745	592	57.6	8.13	10,756	715	7.2	7.77	0	0	0
	7:01	721	6.1	8,745	592	57.6	8.13	10,756	715	7.2	7.77	0	0	0
	7:16	728	6.2	9,526	995	56.4	8.16	9,137	715	9	7.8	1,896	40.4	7.82
	7:16	728	6.2	9,526	995	56.4	8.16	9,137	715	9	7.8	1,896	40.4	7.82
	7:31	743	5.8	12,510	585	52.3	8.16	5,271	815	5.2	7.83	6,565	27.5	7.82
	7:31	743	5.8	12,510	585	52.3	8.16	5,271	815	5.2	7.83	6,565	27.5	7.82
	7:46	729	6.1	8,727	579	55.6	8.21	10,741	716	6.5	7.85	0	0	0
	7:46	729	6.1	8,727	579	55.6	8.21	10,741	716	6.5	7.85	0	0	0
	8:01	738	6.2	9,276	995	56.6	8.22	9,249	715	8.6	7.87	1,921	37	7.88
	8:01	738	6.2	9,276	995	56.6	8.22	9,249	715	8.6	7.87	1,921	37	7.88
	8:16	727	5.8	12,926	580	52.1	8.2	4,564	831	5.4	7.86	7,167	30.3	7.86
	8:16	727	5.8	12,926	580	52.1	8.2	4,564	831	5.4	7.86	7,167	30.3	7.86

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:31	725	6	8,744	578	54.2	8.21	10,726	715	6.2	7.86	0	0	0
	8:31	725	6	8,744	578	54.2	8.21	10,726	715	6.2	7.86	0	0	0
	8:46	717	6.2	8,845	995	55.5	8.23	10,549	714	8.4	7.89	125	10.3	7.9
	8:46	717	6.2	8,845	995	55.5	8.23	10,549	714	8.4	7.89	125	10.3	7.9
	9:01	731	5.8	12,888	574	53.5	8.26	4,513	826	5.4	7.94	7,229	29.5	7.91
	9:01	731	5.8	12,888	574	53.5	8.26	4,513	826	5.4	7.94	7,229	29.5	7.91
	9:16	722	6.1	8,680	559	56.4	8.34	10,702	716	6.2	7.98	0	0	0
	9:16	722	6.1	8,680	559	56.4	8.34	10,702	716	6.2	7.98	0	0	0
	9:31	722	5.8	11,831	892	53.5	8.38	5,453	718	7.1	8.03	5,497	11.8	8
	9:31	722	5.8	11,831	892	53.5	8.38	5,453	718	7.1	8.03	5,497	11.8	8
	9:46	734	5.6	11,453	710	53.9	8.42	12,129	915	3.6	7.96	1,608	12.3	7.96
	9:46	734	5.6	11,453	710	53.9	8.42	12,129	915	3.6	7.96	1,608	12.3	7.96
	10:01	707	5.5	10,856	995	53.4	8.44	12,595	884	4.9	8.08	677	7.2	8.09
	10:01	707	5.5	10,856	995	53.4	8.44	12,595	884	4.9	8.08	677	7.2	8.09
	10:16	738	5	13,733	637	51.6	8.41	3,594	959	6.6	8.07	9,205	21.4	8.08
	10:16	738	5	13,733	637	51.6	8.41	3,594	959	6.6	8.07	9,205	21.4	8.08
	10:31	0	5.5	5,605	0	53	8.41	6,724	772	5.6	8.08	178	6.8	8.07
	10:31	0	5.5	5,605	0	53	8.41	6,724	772	5.6	8.08	178	6.8	8.07
	10:46	728	5.5	85	916	50.2	8.4	0	0	0	0	0	6.4	8.08
	10:46	728	5.5	85	916	50.2	8.4	0	0	0	0	0	6.4	8.08
	11:01	802	5	13,129	660	41.5	8.45	5,349	795	4.8	8.08	6,457	23	8.03
	11:01	802	5	13,129	660	41.5	8.45	5,349	795	4.8	8.08	6,457	23	8.03
	11:16	861	5.7	6,934	715	48.7	8.5	8,378	794	1.4	8	74	1.3	8.09
	11:16	861	5.7	6,934	715	48.7	8.5	8,378	794	1.4	8	74	1.3	8.09
	11:31	856	5.7	10,871	995	56.4	8.47	10,552	820	3.8	8.09	1,476	38.6	8.13
	11:31	856	5.7	10,871	995	56.4	8.47	10,552	820	3.8	8.09	1,476	38.6	8.13
	11:46	856	6.3	7,886	771	51.9	8.47	982	988	5.8	8.14	5,760	19.7	8.13
	11:46	856	6.3	7,886	771	51.9	8.47	982	988	5.8	8.14	5,760	19.7	8.13
	12:01	861	6.5	10,118	640	53	8.5	12,378	829	5.4	8.16	0	4.6	8.15

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:01	861	6.5	10,118	640	53	8.5	12,378	829	5.4	8.16	0	4.6	8.15
	12:16	862	6.7	9,753	647	50.4	8.52	12,024	801	6.9	8.19	0	0	0
	12:16	862	6.7	9,753	647	50.4	8.52	12,024	801	6.9	8.19	0	0	0
	12:31	877	6.5	12,929	761	46.2	8.52	4,536	791	7.7	8.2	7,186	26.3	8.2
	12:31	877	6.5	12,929	761	46.2	8.52	4,536	791	7.7	8.2	7,186	26.3	8.2
	12:46	852	6.8	10,116	637	45.6	8.51	12,494	835	2.7	8.08	0	0	0
	12:46	852	6.8	10,116	637	45.6	8.51	12,494	835	2.7	8.08	0	0	0
	13:01	852	7.1	9,654	645	43.8	8.5	11,913	794	2.7	8.04	0	0	0
	13:01	852	7.1	9,654	645	43.8	8.5	11,913	794	2.7	8.04	0	0	0
	13:16	852	6.9	12,547	672	41.5	8.5	8,098	706	4.1	8.07	2,516	31.3	8.07
	13:16	852	6.9	12,547	672	41.5	8.5	8,098	706	4.1	8.07	2,516	31.3	8.07
	13:31	852	7.3	9,795	669	41.8	8.52	12,090	807	1.5	8.09	0	0	0
	13:31	852	7.3	9,795	669	41.8	8.52	12,090	807	1.5	8.09	0	0	0
	13:46	864	7.6	9,617	634	40.2	8.52	11,908	794	1.5	8.09	0	0	0
	13:46	864	7.6	9,617	634	40.2	8.52	11,908	794	1.5	8.09	0	0	0
	14:01	851	7.5	12,318	678	39.2	8.53	8,447	688	2.8	8.12	1,977	30.7	8.13
	14:01	851	7.5	12,318	678	39.2	8.53	8,447	688	2.8	8.12	1,977	30.7	8.13
	14:16	857	7.9	9,934	634	38.8	8.56	12,046	804	1.3	8.17	0	0	0
	14:16	857	7.9	9,934	634	38.8	8.56	12,046	804	1.3	8.17	0	0	0
	14:31	857	8.2	9,661	644	38.8	8.6	11,933	795	1.1	8.21	0	0	0
	14:31	857	8.2	9,661	644	38.8	8.6	11,933	795	1.1	8.21	0	0	0
	14:46	0	7.2	12,001	720	37.4	8.64	8,744	714	2	8.27	2,005	28.2	8.3
	14:46	0	7.2	12,001	720	37.4	8.64	8,744	714	2	8.27	2,005	28.2	8.3
	15:01	826	6.3	10,288	646	32.9	8.66	11,790	785	1.2	8.31	0	0	0
	15:01	826	6.3	10,288	646	32.9	8.66	11,790	785	1.2	8.31	0	0	0
	15:16	846	6.5	9,635	651	30	8.68	11,884	793	0.7	8.32	0	0	0
	15:16	846	6.5	9,635	651	30	8.68	11,884	793	0.7	8.32	0	0	0
	15:31	851	6.5	11,168	995	34.2	8.42	8,916	730	1.6	8.22	1,583	23.1	7.44
	15:31	851	6.5	11,168	995	34.2	8.42	8,916	730	1.6	8.22	1,583	23.1	7.44

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:46	836	6.8	10,645	657	35.6	7.78	11,523	767	1.8	7.5	0	0	0
	15:46	836	6.8	10,645	657	35.6	7.78	11,523	767	1.8	7.5	0	0	0
	16:01	856	7.1	9,702	647	35.9	7.81	12,049	802	1.7	7.51	0	0	0
	16:01	856	7.1	9,702	647	35.9	7.81	12,049	802	1.7	7.51	0	0	0
	16:16	863	7.1	11,345	995	34.8	7.83	9,251	759	2.2	7.53	2,017	30.1	7.55
	16:16	863	7.1	11,345	995	34.8	7.83	9,251	759	2.2	7.53	2,017	30.1	7.55
	16:31	853	7.2	10,992	637	33.7	7.85	11,305	750	2.3	7.58	0	0	0
	16:31	853	7.2	10,992	637	33.7	7.85	11,305	750	2.3	7.58	0	0	0
	16:46	860	7.6	9,758	660	32.2	7.85	12,053	803	2.2	7.6	0	0	0
	16:46	860	7.6	9,758	660	32.2	7.85	12,053	803	2.2	7.6	0	0	0
	17:01	843	7.6	11,050	995	31.1	7.82	9,368	781	3	7.57	2,223	32.8	7.55
	17:01	843	7.6	11,050	995	31.1	7.82	9,368	781	3	7.57	2,223	32.8	7.55
	17:16	843	7.7	11,329	654	29.8	7.78	11,159	754	3	7.52	184	8.5	7.53
	17:16	843	7.7	11,329	654	29.8	7.78	11,159	754	3	7.52	184	8.5	7.53
	17:31	0	6.8	9,764	643	29	7.76	12,057	804	2.2	7.49	0	0	0
	17:31	0	6.8	9,764	643	29	7.76	12,057	804	2.2	7.49	0	0	0
	17:46	0	5.6	10,690	113	26.5	7.76	10,102	778	2.7	7.48	1,430	37.4	7.48
	17:46	0	5.6	10,690	113	26.5	7.76	10,102	778	2.7	7.48	1,430	37.4	7.48
	18:01	0	5.6	1,937	0	24.3	7.75	348	663	5.8	7.48	830	15.5	7.47
	18:01	0	5.6	1,937	0	24.3	7.75	348	663	5.8	7.48	830	15.5	7.47
	18:16	0	6	609	827	36.8	7.73	0	0	0	0	708	28.1	7.43
	18:16	0	6	609	827	36.8	7.73	0	0	0	0	708	28.1	7.43
	18:31	0	5.6	5,569	0	22.8	7.75	5,431	904	2	7.45	1,247	19.6	7.41
	18:31	0	5.6	5,569	0	22.8	7.75	5,431	904	2	7.45	1,247	19.6	7.41
	19:16	0	5.6	6,276	0	25.5	7.79	7,696	881	1.5	7.45	18	1.2	7.45
	19:16	0	5.6	6,276	0	25.5	7.79	7,696	881	1.5	7.45	18	1.2	7.45
	20:31	863	6.4	7,118	655	25.7	7.85	8,626	881	1.5	7.49	96	1.1	7.43
	20:31	863	6.4	7,118	655	25.7	7.85	8,626	881	1.5	7.49	96	1.1	7.43
	20:46	830	6.5	10,058	995	22.6	7.93	11,828	798	2	7.66	187	9.7	7.71

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:46	830	6.5	10,058	995	22.6	7.93	11,828	798	2	7.66	187	9.7	7.71
	21:01	844	6.3	12,537	642	22.8	7.97	8,958	742	3.6	7.74	2,234	25.1	7.72
	21:01	844	6.3	12,537	642	22.8	7.97	8,958	742	3.6	7.74	2,234	25.1	7.72
	21:16	0	6.7	1,977	0	22.9	7.99	2,420	805	1.4	7.76	60	1.4	7.75
	21:16	0	6.7	1,977	0	22.9	7.99	2,420	805	1.4	7.76	60	1.4	7.75
AVERAGES/TOTALS		776	6.37	1,538,360	716	44.4	8.08	1,294,406	773	5.0	7.74	374,718	21.9	7.70
MAXIMUM		877	8.20	13,984	995	64.7	8.68	12,595	988	9.5	8.32	12,607	40.4	8.30
MINIMUM		696	5.00	85	113	22.6	7.69	249	408	0.7	7.31	18	1.1	7.32
1/7/2021														
	10:46	835	7.9	6,114	683	41.1	7.92	6,893	914	2.1	7.45	585	5.7	7.34
	10:46	835	7.9	6,114	683	41.1	7.92	6,893	914	2.1	7.45	585	5.7	7.34
	11:01	858	8.1	9,884	650	13.6	7.94	12,170	814	0.9	7.62	0	0	0
	11:01	858	8.1	9,884	650	13.6	7.94	12,170	814	0.9	7.62	0	0	0
	11:16	845	7.8	12,799	667	14.9	8	9,116	679	2.9	7.72	1,147	13.5	7.71
	11:16	845	7.8	12,799	667	14.9	8	9,116	679	2.9	7.72	1,147	13.5	7.71
	11:31	849	8.1	9,915	656	18	8.07	12,238	814	0.9	7.82	0	0	0
	11:31	849	8.1	9,915	656	18	8.07	12,238	814	0.9	7.82	0	0	0
	11:46	0	7.3	9,772	646	22.3	8.1	12,056	805	1.1	7.85	0	0	0
	11:46	0	7.3	9,772	646	22.3	8.1	12,056	805	1.1	7.85	0	0	0
	12:01	0	6.6	12,668	689	24.1	8.11	8,572	693	2.8	7.86	1,964	21.3	7.86
	12:01	0	6.6	12,668	689	24.1	8.11	8,572	693	2.8	7.86	1,964	21.3	7.86
	12:16	0	6.5	4,669	0	29.9	8.12	5,746	822	1.2	7.88	7	1.3	7.88
	12:16	0	6.5	4,669	0	29.9	8.12	5,746	822	1.2	7.88	7	1.3	7.88
	13:16	0	5.5	5,117	690	44.2	8.12	6,293	940	1.8	7.79	0	1	7.83
	13:16	0	5.5	5,117	690	44.2	8.12	6,293	940	1.8	7.79	0	1	7.83

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		847	7.23	141,876	669	26.0	8.05	146,168	810	1.7	7.75	7,406	8.6	7.72
MAXIMUM		858	8.10	12,799	690	44.2	8.12	12,238	940	2.9	7.88	1,964	21.3	7.88
MINIMUM		835	5.50	4,669	646	13.6	7.92	5,746	679	0.9	7.45	7	1.0	7.34
1/8/2021														
	9:32	0	6	2,215	0	37	6.18	1,951	867	1.5	7.84	811	0.1	2.83
	9:32	0	6	2,215	0	37	6.18	1,951	867	1.5	7.84	811	0.1	2.83
	9:46	861	6	9,064	662	26	7.38	10,299	880	1	7.55	784	0.1	3.09
	9:46	861	6	9,064	662	26	7.38	10,299	880	1	7.55	784	0.1	3.09
	10:01	825	5.8	12,728	674	31.5	7.82	9,014	669	3.4	7.49	1,137	14.3	7.49
	10:01	825	5.8	12,728	674	31.5	7.82	9,014	669	3.4	7.49	1,137	14.3	7.49
	10:16	0	5.6	9,842	636	42.7	7.64	12,182	811	1.7	7.31	0	0	0
	10:16	0	5.6	9,842	636	42.7	7.64	12,182	811	1.7	7.31	0	0	0
	10:31	0	5.8	2,744	0	48.7	7.58	3,402	797	3.1	7.22	6	3.1	7.21
	10:31	0	5.8	2,744	0	48.7	7.58	3,402	797	3.1	7.22	6	3.1	7.21
	13:01	841	6.3	4,620	703	48.9	7.52	4,465	938	3.3	7.18	1,026	9.4	7.21
	13:01	841	6.3	4,620	703	48.9	7.52	4,465	938	3.3	7.18	1,026	9.4	7.21
	13:16	841	6.2	11,687	995	36.6	7.46	9,266	787	2.1	7.14	2,459	25.4	7.08
	13:16	841	6.2	11,687	995	36.6	7.46	9,266	787	2.1	7.14	2,459	25.4	7.08
AVERAGES/TOTALS		842	5.96	105,800	734	38.8	7.37	101,158	821	2.3	7.39	12,446	8.7	5.82
MAXIMUM		861	6.30	12,728	995	48.9	7.82	12,182	938	3.4	7.84	2,459	25.4	7.49
MINIMUM		825	5.60	2,215	636	26.0	6.18	1,951	669	1.0	7.14	6	0.1	2.83
1/11/2021														
	18:46	858	6.3	11,806	656	59.2	6.96	11,406	824	3.3	6.78	947	7.6	6.92
	18:46	858	6.3	11,806	656	59.2	6.96	11,406	824	3.3	6.78	947	7.6	6.92
	19:01	848	6	12,823	911	65.7	6.79	8,856	654	2.8	6.62	1,080	6.8	6.42
	19:01	848	6	12,823	911	65.7	6.79	8,856	654	2.8	6.62	1,080	6.8	6.42
	19:16	830	6.2	10,511	661	79.3	6.78	9,788	850	1.9	6.84	2,854	2.8	6.42

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:16	830	6.2	10,511	661	79.3	6.78	9,788	850	1.9	6.84	2,854	2.8	6.42
	19:31	834	6.5	9,727	659	84.8	6.68	12,006	799	3.1	6.66	0	0	0
	19:31	834	6.5	9,727	659	84.8	6.68	12,006	799	3.1	6.66	0	0	0
	19:46	853	6.3	13,156	907	85.7	6.59	4,411	710	4.9	6.55	7,232	17.6	6.5
	19:46	853	6.3	13,156	907	85.7	6.59	4,411	710	4.9	6.55	7,232	17.6	6.5
	20:01	854	6.5	6,883	995	87.6	6.53	0	0	0	0	7,667	4	6.13
	20:01	854	6.5	6,883	995	87.6	6.53	0	0	0	0	7,667	4	6.13
	20:16	0	6.4	9,040	0	105	7.4	2,858	672	4.4	7.58	4,122	12.6	6.65
	20:16	0	6.4	9,040	0	105	7.4	2,858	672	4.4	7.58	4,122	12.6	6.65
	20:31	860	6.3	3,892	691	82.1	7.51	4,701	902	1.7	7.62	44	1.7	7.43
	20:31	860	6.3	3,892	691	82.1	7.51	4,701	902	1.7	7.62	44	1.7	7.43
	20:46	857	6.5	9,979	638	78.2	7.51	12,196	816	0.4	7.4	0	0	0
	20:46	857	6.5	9,979	638	78.2	7.51	12,196	816	0.4	7.4	0	0	0
	21:01	873	6.8	9,715	957	82.8	7.46	11,926	795	0.5	7.33	0	0	0
	21:01	873	6.8	9,715	957	82.8	7.46	11,926	795	0.5	7.33	0	0	0
	21:16	864	6.6	12,786	640	81.3	7.45	9,401	650	2.2	7.31	375	11.4	7.29
	21:16	864	6.6	12,786	640	81.3	7.45	9,401	650	2.2	7.31	375	11.4	7.29
	21:31	846	7	9,717	640	80.6	7.42	11,961	795	0.5	7.28	0	0	0
	21:31	846	7	9,717	640	80.6	7.42	11,961	795	0.5	7.28	0	0	0
	21:46	849	7.4	9,615	651	80.1	7.41	11,846	790	0.5	7.25	0	0	0
	21:46	849	7.4	9,615	651	80.1	7.41	11,846	790	0.5	7.25	0	0	0
	22:01	849	7.2	12,703	637	79.6	7.41	9,164	667	1.9	7.23	920	12.2	7.24
	22:01	849	7.2	12,703	637	79.6	7.41	9,164	667	1.9	7.23	920	12.2	7.24
	22:16	851	7.6	9,725	644	79.5	7.39	11,948	797	0.4	7.2	0	0	0
	22:16	851	7.6	9,725	644	79.5	7.39	11,948	797	0.4	7.2	0	0	0
	22:31	846	8	9,631	651	80.7	7.38	11,858	788	0.4	7.17	0	0	0
	22:31	846	8	9,631	651	80.7	7.38	11,858	788	0.4	7.17	0	0	0
	22:46	861	7.9	12,653	658	80.6	7.39	9,443	630	2	7.16	0	0	0
	22:46	861	7.9	12,653	658	80.6	7.39	9,443	630	2	7.16	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:01	880	8.3	9,714	641	81.1	7.38	11,959	796	0.4	7.14	0	0	0
	23:01	880	8.3	9,714	641	81.1	7.38	11,959	796	0.4	7.14	0	0	0
	23:16	864	8.7	9,652	638	81.2	7.39	11,813	788	0.4	7.13	0	0	0
	23:16	864	8.7	9,652	638	81.2	7.39	11,813	788	0.4	7.13	0	0	0
	23:31	851	8.6	12,599	655	80	7.4	9,353	625	1.6	7.13	0	0	0
	23:31	851	8.6	12,599	655	80	7.4	9,353	625	1.6	7.13	0	0	0
	23:46	0	7.8	10,949	995	80.5	7.39	10,629	713	0.9	7.12	0	0	0
	23:46	0	7.8	10,949	995	80.5	7.39	10,629	713	0.9	7.12	0	0	0
	AVERAGES/TOTALS	854	7.09	434,552	726	80.7	7.22	395,046	753	1.7	7.13	50,482	8.5	6.78
	MAXIMUM	880	8.70	13,156	995	105.0	7.51	12,196	902	4.9	7.62	7,667	17.6	7.43
	MINIMUM	830	6.00	3,892	637	59.2	6.53	2,858	625	0.4	6.55	44	1.7	6.13
1/12/2021														
	0:01	813	7.1	11,489	632	76.3	7.39	10,762	716	0.8	7.11	0	0	0
	0:01	813	7.1	11,489	632	76.3	7.39	10,762	716	0.8	7.11	0	0	0
	0:16	825	7.5	9,577	625	76.9	7.39	11,725	785	0.3	7.1	0	0	0
	0:16	825	7.5	9,577	625	76.9	7.39	11,725	785	0.3	7.1	0	0	0
	0:31	832	7.6	10,384	995	82.9	7.37	10,726	718	0.5	7.08	0	0	0
	0:31	832	7.6	10,384	995	82.9	7.37	10,726	718	0.5	7.08	0	0	0
	0:46	826	7.7	11,771	654	83.5	7.37	10,474	695	1	7.06	0	0	0
	0:46	826	7.7	11,771	654	83.5	7.37	10,474	695	1	7.06	0	0	0
	1:01	840	8.1	9,559	657	82.7	7.35	11,774	785	0.3	7.04	0	0	0
	1:01	840	8.1	9,559	657	82.7	7.35	11,774	785	0.3	7.04	0	0	0
	1:16	831	8.3	10,000	995	81.4	7.37	11,060	741	0.4	7.04	0	0	0
	1:16	831	8.3	10,000	995	81.4	7.37	11,060	741	0.4	7.04	0	0	0
	1:31	0	7.6	12,107	622	79.6	7.39	10,140	671	1	7.05	0	0	0
	1:31	0	7.6	12,107	622	79.6	7.39	10,140	671	1	7.05	0	0	0
	1:46	843	6.6	9,517	618	76.6	7.4	11,696	782	0.3	7.06	0	0	0
	1:46	843	6.6	9,517	618	76.6	7.4	11,696	782	0.3	7.06	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:01	811	6.9	9,626	995	74	7.4	11,383	762	0.3	7.07	0	0	0
	2:01	811	6.9	9,626	995	74	7.4	11,383	762	0.3	7.07	0	0	0
	2:16	823	6.8	12,389	641	78.8	7.41	9,608	636	1.2	7.06	0	0	0
	2:16	823	6.8	12,389	641	78.8	7.41	9,608	636	1.2	7.06	0	0	0
	2:31	835	7.2	9,491	618	81.5	7.4	11,699	779	0.4	7.05	0	0	0
	2:31	835	7.2	9,491	618	81.5	7.4	11,699	779	0.4	7.05	0	0	0
	2:46	847	7.5	9,463	951	81.8	7.39	11,591	773	0.4	7.04	0	0	0
	2:46	847	7.5	9,463	951	81.8	7.39	11,591	773	0.4	7.04	0	0	0
	3:01	819	7.5	12,490	639	80.7	7.4	9,458	628	1.5	7.03	0	0	0
	3:01	819	7.5	12,490	639	80.7	7.4	9,458	628	1.5	7.03	0	0	0
	3:16	838	7.9	9,498	642	79	7.41	11,735	780	0.4	7.04	0	0	0
	3:16	838	7.9	9,498	642	79	7.41	11,735	780	0.4	7.04	0	0	0
	3:31	857	8.2	9,461	955	78.6	7.39	11,687	776	0.4	7.02	0	0	0
	3:31	857	8.2	9,461	955	78.6	7.39	11,687	776	0.4	7.02	0	0	0
	3:46	842	8.2	12,480	627	79.6	7.39	9,431	630	1.2	7.01	0	0	0
	3:46	842	8.2	12,480	627	79.6	7.39	9,431	630	1.2	7.01	0	0	0
	4:01	862	8.6	9,522	620	81.7	7.42	11,700	779	0.4	7.03	0	0	0
	4:01	862	8.6	9,522	620	81.7	7.42	11,700	779	0.4	7.03	0	0	0
	4:16	0	8.4	9,447	627	83.7	7.49	11,596	774	0.4	7.08	0	0	0
	4:16	0	8.4	9,447	627	83.7	7.49	11,596	774	0.4	7.08	0	0	0
	4:31	828	6.8	12,407	624	82.8	7.55	8,971	654	1.6	7.19	919	16.3	7.17
	4:31	828	6.8	12,407	624	82.8	7.55	8,971	654	1.6	7.19	919	16.3	7.17
	4:46	833	7.3	9,418	621	80.7	7.59	11,645	777	0.6	7.25	0	0	0
	4:46	833	7.3	9,418	621	80.7	7.59	11,645	777	0.6	7.25	0	0	0
	5:01	854	7.6	9,364	616	87.7	7.63	11,581	771	0.7	7.28	0	0	0
	5:01	854	7.6	9,364	616	87.7	7.63	11,581	771	0.7	7.28	0	0	0
	5:16	843	7.5	12,415	630	91.3	7.67	8,363	663	2.1	7.34	1,707	26.1	7.34
	5:16	843	7.5	12,415	630	91.3	7.67	8,363	663	2.1	7.34	1,707	26.1	7.34
	5:31	832	7.9	9,434	637	93.4	7.72	11,674	776	1.2	7.4	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:31	832	7.9	9,434	637	93.4	7.72	11,674	776	1.2	7.4	0	0	0
	5:46	851	8.3	9,361	639	93.6	7.77	11,565	771	1.6	7.46	0	0	0
	5:46	851	8.3	9,361	639	93.6	7.77	11,565	771	1.6	7.46	0	0	0
	6:01	840	8.2	12,358	633	92.2	7.8	8,226	669	3	7.51	2,035	32.1	7.51
	6:01	840	8.2	12,358	633	92.2	7.8	8,226	669	3	7.51	2,035	32.1	7.51
	6:16	847	8.6	9,393	607	94.1	7.83	11,622	776	1.6	7.55	0	0	0
	6:16	847	8.6	9,393	607	94.1	7.83	11,622	776	1.6	7.55	0	0	0
	6:31	0	8.7	9,336	655	96.5	7.86	11,560	770	2	7.57	0	0	0
	6:31	0	8.7	9,336	655	96.5	7.86	11,560	770	2	7.57	0	0	0
	6:46	836	8.5	12,365	632	94.7	7.88	8,233	667	3.4	7.61	2,033	32.5	7.62
	6:46	836	8.5	12,365	632	94.7	7.88	8,233	667	3.4	7.61	2,033	32.5	7.62
	7:01	832	8.8	9,402	604	95.7	7.91	11,550	772	1.7	7.63	0	0	0
	7:01	832	8.8	9,402	604	95.7	7.91	11,550	772	1.7	7.63	0	0	0
	7:16	830	8.8	9,317	608	96.5	7.93	11,505	767	2	7.65	0	0	0
	7:16	830	8.8	9,317	608	96.5	7.93	11,505	767	2	7.65	0	0	0
	7:31	840	8.4	12,317	618	95.6	7.94	7,933	659	3.3	7.68	2,215	32.6	7.7
	7:31	840	8.4	12,317	618	95.6	7.94	7,933	659	3.3	7.68	2,215	32.6	7.7
	7:46	830	8.8	9,405	635	97.7	7.97	11,515	770	2.1	7.71	0	0	0
	7:46	830	8.8	9,405	635	97.7	7.97	11,515	770	2.1	7.71	0	0	0
	8:01	852	8.8	9,308	619	99.3	7.99	11,430	764	2.3	7.73	0	0	0
	8:01	852	8.8	9,308	619	99.3	7.99	11,430	764	2.3	7.73	0	0	0
	8:16	836	8.4	12,072	638	98	8.01	7,969	666	3.6	7.75	2,194	33.5	7.77
	8:16	836	8.4	12,072	638	98	8.01	7,969	666	3.6	7.75	2,194	33.5	7.77
	8:31	831	8.8	9,564	614	99.1	8.04	11,427	759	2.5	7.78	0	0	0
	8:31	831	8.8	9,564	614	99.1	8.04	11,427	759	2.5	7.78	0	0	0
	8:46	829	8.8	9,267	597	101.9	8.07	11,478	762	2.6	7.82	0	0	0
	8:46	829	8.8	9,267	597	101.9	8.07	11,478	762	2.6	7.82	0	0	0
	9:01	837	8.4	11,648	655	99.5	8.08	8,250	690	3.8	7.84	2,223	34.2	7.86
	9:01	837	8.4	11,648	655	99.5	8.08	8,250	690	3.8	7.84	2,223	34.2	7.86

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:16	842	8.8	9,886	603	100.6	8.11	11,124	739	3	7.88	0	0	0
	9:16	842	8.8	9,886	603	100.6	8.11	11,124	739	3	7.88	0	0	0
	9:31	834	8.8	9,206	618	103	8.14	11,373	761	2.9	7.9	0	0	0
	9:31	834	8.8	9,206	618	103	8.14	11,373	761	2.9	7.9	0	0	0
	9:46	825	8.4	11,260	990	100.3	8.15	8,111	722	3.8	7.92	2,758	31.4	7.95
	9:46	825	8.4	11,260	990	100.3	8.15	8,111	722	3.8	7.92	2,758	31.4	7.95
	10:01	830	8.7	10,264	608	100	8.17	10,847	722	3.5	7.95	0	0	0
	10:01	830	8.7	10,264	608	100	8.17	10,847	722	3.5	7.95	0	0	0
	10:16	834	8.7	9,198	606	101.8	8.18	11,371	758	3	7.97	0	0	0
	10:16	834	8.7	9,198	606	101.8	8.18	11,371	758	3	7.97	0	0	0
	10:31	843	8.5	10,876	995	100.5	8.19	8,525	726	3.6	7.97	2,372	33.4	7.99
	10:31	843	8.5	10,876	995	100.5	8.19	8,525	726	3.6	7.97	2,372	33.4	7.99
	10:46	828	8.7	10,572	597	101.6	8.21	10,347	723	3.9	8	559	12.2	8
	10:46	828	8.7	10,572	597	101.6	8.21	10,347	723	3.9	8	559	12.2	8
	11:01	851	8.7	9,123	596	105	8.23	11,301	755	3.4	8.02	0	0	0
	11:01	851	8.7	9,123	596	105	8.23	11,301	755	3.4	8.02	0	0	0
	11:16	827	8.5	10,432	995	102.6	8.25	8,960	728	3.9	8.03	2,021	40.4	8.07
	11:16	827	8.5	10,432	995	102.6	8.25	8,960	728	3.9	8.03	2,021	40.4	8.07
	11:31	857	8.7	10,968	613	102.8	8.28	9,753	721	4.3	8.08	1,109	12.2	8.07
	11:31	857	8.7	10,968	613	102.8	8.28	9,753	721	4.3	8.08	1,109	12.2	8.07
	11:46	838	8.6	9,101	601	104.6	8.31	11,335	753	3.5	8.1	0	0	0
	11:46	838	8.6	9,101	601	104.6	8.31	11,335	753	3.5	8.1	0	0	0
	12:01	822	8.5	10,034	995	101.1	8.31	9,610	726	4	8.1	1,250	46.5	8.12
	12:01	822	8.5	10,034	995	101.1	8.31	9,610	726	4	8.1	1,250	46.5	8.12
	12:16	827	8.6	11,321	593	100.3	8.31	8,877	711	4.5	8.12	1,837	18.6	8.12
	12:16	827	8.6	11,321	593	100.3	8.31	8,877	711	4.5	8.12	1,837	18.6	8.12
	12:31	850	8.6	9,109	605	104.3	8.33	11,202	747	3.6	8.12	0	0	0
	12:31	850	8.6	9,109	605	104.3	8.33	11,202	747	3.6	8.12	0	0	0
	12:46	833	8.5	9,578	995	102.8	8.34	10,300	724	4.2	8.13	535	43.9	8.16

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:46	833	8.5	9,578	995	102.8	8.34	10,300	724	4.2	8.13	535	43.9	8.16
	13:01	845	8.6	11,707	603	101.5	8.35	7,964	709	4.9	8.16	2,780	26.4	8.17
	13:01	845	8.6	11,707	603	101.5	8.35	7,964	709	4.9	8.16	2,780	26.4	8.17
	13:16	0	8.6	9,074	612	103.7	8.36	11,181	745	3.8	8.17	0	0	0
	13:16	0	8.6	9,074	612	103.7	8.36	11,181	745	3.8	8.17	0	0	0
	13:31	825	8.5	9,186	995	101.9	8.35	10,873	728	4.3	8.15	0	0	0
	13:31	825	8.5	9,186	995	101.9	8.35	10,873	728	4.3	8.15	0	0	0
	13:46	840	8.6	12,061	606	100.8	8.35	7,202	692	5.2	8.17	3,450	28.1	8.17
	13:46	840	8.6	12,061	606	100.8	8.35	7,202	692	5.2	8.17	3,450	28.1	8.17
	14:01	0	8.7	9,008	597	104.1	8.36	11,122	740	4	8.16	0	0	0
	14:01	0	8.7	9,008	597	104.1	8.36	11,122	740	4	8.16	0	0	0
	14:16	694	8.7	10,319	995	103.8	8.39	8,744	711	4.5	8.19	2,040	39.2	8.22
	14:16	694	8.7	10,319	995	103.8	8.39	8,744	711	4.5	8.19	2,040	39.2	8.22
	14:31	668	8.6	10,842	597	44.5	8.41	9,408	712	3.9	8.24	1,317	11.8	8.23
	14:31	668	8.6	10,842	597	44.5	8.41	9,408	712	3.9	8.24	1,317	11.8	8.23
	14:46	680	8.9	8,932	581	45.7	8.43	11,038	736	1.5	8.25	0	0	0
	14:46	680	8.9	8,932	581	45.7	8.43	11,038	736	1.5	8.25	0	0	0
	15:01	707	8.5	9,904	995	46.1	8.45	9,420	709	2.2	8.27	1,277	45.5	8.29
	15:01	707	8.5	9,904	995	46.1	8.45	9,420	709	2.2	8.27	1,277	45.5	8.29
	15:16	668	8.4	11,194	615	43	8.46	9,127	666	2.3	8.3	918	22.2	8.3
	15:16	668	8.4	11,194	615	43	8.46	9,127	666	2.3	8.3	918	22.2	8.3
	15:31	679	8.7	8,882	587	49.2	8.49	11,009	732	1.4	8.32	0	0	0
	15:31	679	8.7	8,882	587	49.2	8.49	11,009	732	1.4	8.32	0	0	0
	15:46	662	8.8	9,472	995	50.8	8.51	10,102	707	2.1	8.34	536	44.2	8.36
	15:46	662	8.8	9,472	995	50.8	8.51	10,102	707	2.1	8.34	536	44.2	8.36
	16:01	684	8.4	13,112	632	47.9	8.52	6,688	706	3.4	8.38	4,876	15.4	8.37
	16:01	684	8.4	13,112	632	47.9	8.52	6,688	706	3.4	8.38	4,876	15.4	8.37
	16:16	657	8.5	9,874	672	51.2	8.56	12,162	812	1.7	8.4	0	0	0
	16:16	657	8.5	9,874	672	51.2	8.56	12,162	812	1.7	8.4	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:31	676	8.6	10,014	995	51.5	8.58	11,905	795	2.4	8.43	0	0	0
	16:31	676	8.6	10,014	995	51.5	8.58	11,905	795	2.4	8.43	0	0	0
	16:46	680	8.2	12,870	595	49.6	8.59	5,791	864	2	8.46	6,214	15.7	8.46
	16:46	680	8.2	12,870	595	49.6	8.59	5,791	864	2	8.46	6,214	15.7	8.46
	17:01	660	8.1	9,035	737	47	8.2	5,865	834	2.4	8.39	3,327	8	7.92
	17:01	660	8.1	9,035	737	47	8.2	5,865	834	2.4	8.39	3,327	8	7.92
	17:16	667	8.1	10,169	652	46.1	7.98	12,554	839	1.6	7.95	0	0	0
	17:16	667	8.1	10,169	652	46.1	7.98	12,554	839	1.6	7.95	0	0	0
	17:31	664	7.7	12,631	670	48.6	8.01	8,396	702	3.3	8	2,193	29.9	8.01
	17:31	664	7.7	12,631	670	48.6	8.01	8,396	702	3.3	8	2,193	29.9	8.01
	17:46	664	7.8	9,858	640	53.5	8.08	12,182	813	1.6	8.06	0	0	0
	17:46	664	7.8	9,858	640	53.5	8.08	12,182	813	1.6	8.06	0	0	0
	18:01	663	8	9,824	675	54.2	8.16	12,078	807	2.2	8.15	0	0	0
	18:01	663	8	9,824	675	54.2	8.16	12,078	807	2.2	8.15	0	0	0
	18:16	702	7.7	12,579	659	50.9	8.18	8,568	710	3.7	8.2	2,255	34.9	8.22
	18:16	702	7.7	12,579	659	50.9	8.18	8,568	710	3.7	8.2	2,255	34.9	8.22
	18:31	656	7.8	9,580	647	51.2	8.14	11,768	811	1.7	8.16	40	1.5	7.32
	18:31	656	7.8	9,580	647	51.2	8.14	11,768	811	1.7	8.16	40	1.5	7.32
	18:46	668	8	9,885	651	49.5	7.96	12,204	814	2.1	7.81	0	0	0
	18:46	668	8	9,885	651	49.5	7.96	12,204	814	2.1	7.81	0	0	0
	19:01	672	7.7	12,547	653	46.6	7.96	5,582	475	3.7	7.82	993	33.2	7.83
	19:01	672	7.7	12,547	653	46.6	7.96	5,582	475	3.7	7.82	993	33.2	7.83
	19:16	688	7.7	9,851	649	47.9	7.99	78	5	1.8	7.84	0	0	0
	19:16	688	7.7	9,851	649	47.9	7.99	78	5	1.8	7.84	0	0	0
	19:31	675	7.9	9,788	637	47.8	8.02	1,892	119	2.2	7.88	0	0	0
	19:31	675	7.9	9,788	637	47.8	8.02	1,892	119	2.2	7.88	0	0	0
	19:46	686	7.7	12,299	660	44.8	8.02	8,505	708	3.5	7.89	2,214	34.5	7.91
	19:46	686	7.7	12,299	660	44.8	8.02	8,505	708	3.5	7.89	2,214	34.5	7.91
	20:01	677	7.7	10,037	658	48.8	8.04	12,083	804	2.1	7.91	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:01	677	7.7	10,037	658	48.8	8.04	12,083	804	2.1	7.91	0	0	0
	20:16	656	7.9	9,733	669	49.6	8.1	12,050	804	2.3	7.96	0	0	0
	20:16	656	7.9	9,733	669	49.6	8.1	12,050	804	2.3	7.96	0	0	0
	20:31	685	7.6	11,958	720	49.4	8.15	8,516	741	3.4	8.02	2,548	31.6	8.05
	20:31	685	7.6	11,958	720	49.4	8.15	8,516	741	3.4	8.02	2,548	31.6	8.05
	20:46	673	7.7	10,370	629	51.5	8.19	11,775	786	2.5	8.08	0	0	0
	20:46	673	7.7	10,370	629	51.5	8.19	11,775	786	2.5	8.08	0	0	0
	21:01	661	7.9	9,682	658	51.3	8.23	12,108	804	2.3	8.13	0	0	0
	21:01	661	7.9	9,682	658	51.3	8.23	12,108	804	2.3	8.13	0	0	0
	21:16	677	7.7	11,599	995	49.8	8.24	8,735	760	3.3	8.14	2,592	32.1	8.14
	21:16	677	7.7	11,599	995	49.8	8.24	8,735	760	3.3	8.14	2,592	32.1	8.14
	21:31	683	7.7	10,678	657	49.7	8.24	11,575	768	2.9	8.13	0	0	0
	21:31	683	7.7	10,678	657	49.7	8.24	11,575	768	2.9	8.13	0	0	0
	21:46	660	7.8	9,734	644	50.1	8.25	12,019	802	2.4	8.14	0	0	0
	21:46	660	7.8	9,734	644	50.1	8.25	12,019	802	2.4	8.14	0	0	0
	22:01	673	7.7	11,219	995	48.8	8.25	9,025	768	3.1	8.14	2,389	33.9	8.16
	22:01	673	7.7	11,219	995	48.8	8.25	9,025	768	3.1	8.14	2,389	33.9	8.16
	22:16	673	7.6	10,990	645	47.9	8.24	11,239	761	3.2	8.14	184	9.8	8.14
	22:16	673	7.6	10,990	645	47.9	8.24	11,239	761	3.2	8.14	184	9.8	8.14
	22:31	672	7.8	9,711	642	47.1	8.26	12,043	803	2.4	8.16	0	0	0
	22:31	672	7.8	9,711	642	47.1	8.26	12,043	803	2.4	8.16	0	0	0
	22:46	687	7.7	10,858	995	45.2	8.26	9,504	775	2.9	8.17	2,033	38	8.18
	22:46	687	7.7	10,858	995	45.2	8.26	9,504	775	2.9	8.17	2,033	38	8.18
	23:01	665	7.6	11,345	661	45.2	8.26	10,744	752	3.5	8.17	558	9.9	8.17
	23:01	665	7.6	11,345	661	45.2	8.26	10,744	752	3.5	8.17	558	9.9	8.17
	23:16	675	7.8	9,683	652	47.1	8.29	12,044	803	2.5	8.2	0	0	0
	23:16	675	7.8	9,683	652	47.1	8.29	12,044	803	2.5	8.2	0	0	0
	23:31	666	7.8	10,533	995	45.9	8.3	10,287	774	3	8.21	1,272	46.4	8.22
	23:31	666	7.8	10,533	995	45.9	8.3	10,287	774	3	8.21	1,272	46.4	8.22

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:46	675	7.6	11,691	652	44.1	8.3	9,620	754	3.6	8.21	1,652	18	8.22
	23:46	675	7.6	11,691	652	44.1	8.3	9,620	754	3.6	8.21	1,652	18	8.22
AVERAGES/TOTALS		767	8.12	2,003,336	703	75.2	8.01	1,949,106	729	2.4	7.81	146,850	27.8	8.01
MAXIMUM		862	8.90	13,112	995	105.0	8.59	12,554	864	5.2	8.46	6,214	46.5	8.46
MINIMUM		656	6.60	8,882	581	43.0	7.35	78	5	0.3	7.01	40	1.5	7.17
1/13/2021														
	0:01	680	7.8	9,647	647	45.3	8.31	12,018	799	2.6	8.23	0	0	0
	0:01	680	7.8	9,647	647	45.3	8.31	12,018	799	2.6	8.23	0	0	0
	0:16	699	7.8	10,111	995	44.3	8.32	11,020	773	3.1	8.24	537	43.9	8.24
	0:16	699	7.8	10,111	995	44.3	8.32	11,020	773	3.1	8.24	537	43.9	8.24
	0:31	671	7.6	12,044	643	43.6	8.31	8,819	751	3.9	8.23	2,373	26.8	8.24
	0:31	671	7.6	12,044	643	43.6	8.31	8,819	751	3.9	8.23	2,373	26.8	8.24
	0:46	664	7.8	9,659	661	46.4	8.34	12,010	799	2.7	8.26	0	0	0
	0:46	664	7.8	9,659	661	46.4	8.34	12,010	799	2.7	8.26	0	0	0
	1:01	699	7.9	9,771	995	47.1	8.35	11,723	784	3.2	8.27	0	0	0
	1:01	699	7.9	9,771	995	47.1	8.35	11,723	784	3.2	8.27	0	0	0
	1:16	670	7.6	12,378	639	44.4	8.35	8,131	736	4.3	8.28	2,892	29.1	8.29
	1:16	670	7.6	12,378	639	44.4	8.35	8,131	736	4.3	8.28	2,892	29.1	8.29
	1:31	673	7.8	9,620	651	47.4	8.37	11,959	798	2.9	8.3	0	0	0
	1:31	673	7.8	9,620	651	47.4	8.37	11,959	798	2.9	8.3	0	0	0
	1:46	676	8	9,578	995	47.1	8.38	11,896	794	3.3	8.31	0	0	0
	1:46	676	8	9,578	995	47.1	8.38	11,896	794	3.3	8.31	0	0	0
	2:01	653	7.6	12,518	648	43.6	8.37	7,902	718	4.5	8.3	2,901	29.1	8.31
	2:01	653	7.6	12,518	648	43.6	8.37	7,902	718	4.5	8.3	2,901	29.1	8.31
	2:16	698	7.8	9,600	625	45	8.36	11,925	796	3	8.29	0	0	0
	2:16	698	7.8	9,600	625	45	8.36	11,925	796	3	8.29	0	0	0
	2:31	652	8	9,568	995	48.9	8.35	11,857	792	3.4	8.28	0	0	0
	2:31	652	8	9,568	995	48.9	8.35	11,857	792	3.4	8.28	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:46	679	7.7	12,495	640	46.5	8.34	7,729	719	4.7	8.27	3,076	28.9	8.28
	2:46	679	7.7	12,495	640	46.5	8.34	7,729	719	4.7	8.27	3,076	28.9	8.28
	3:01	653	7.9	9,550	638	47.6	8.35	11,961	797	3.3	8.27	0	0	0
	3:01	653	7.9	9,550	638	47.6	8.35	11,961	797	3.3	8.27	0	0	0
	3:16	650	8.1	9,536	657	48.2	8.35	11,875	792	3.6	8.28	0	0	0
	3:16	650	8.1	9,536	657	48.2	8.35	11,875	792	3.6	8.28	0	0	0
	3:31	655	7.7	12,503	653	44.4	8.35	7,564	718	5	8.29	3,274	28.8	8.29
	3:31	655	7.7	12,503	653	44.4	8.35	7,564	718	5	8.29	3,274	28.8	8.29
	3:46	674	7.9	9,573	624	47.3	8.37	11,899	793	3.4	8.31	0	0	0
	3:46	674	7.9	9,573	624	47.3	8.37	11,899	793	3.4	8.31	0	0	0
	4:01	672	8.1	9,504	642	48.9	8.38	11,862	790	3.8	8.33	0	0	0
	4:01	672	8.1	9,504	642	48.9	8.38	11,862	790	3.8	8.33	0	0	0
	4:16	672	7.7	12,502	663	47	8.4	7,374	721	5.2	8.34	3,452	28.2	8.35
	4:16	672	7.7	12,502	663	47	8.4	7,374	721	5.2	8.34	3,452	28.2	8.35
	4:31	658	7.9	9,532	628	48.7	8.42	11,839	790	3.6	8.36	0	0	0
	4:31	658	7.9	9,532	628	48.7	8.42	11,839	790	3.6	8.36	0	0	0
	4:46	667	8.1	9,463	633	49.3	8.43	11,768	785	3.9	8.38	0	0	0
	4:46	667	8.1	9,463	633	49.3	8.43	11,768	785	3.9	8.38	0	0	0
	5:01	647	7.8	12,444	654	47.7	8.44	7,431	724	5.4	8.38	3,451	27.7	8.39
	5:01	647	7.8	12,444	654	47.7	8.44	7,431	724	5.4	8.38	3,451	27.7	8.39
	5:16	659	7.9	9,496	644	48.8	8.45	11,822	787	3.8	8.4	0	0	0
	5:16	659	7.9	9,496	644	48.8	8.45	11,822	787	3.8	8.4	0	0	0
	5:31	665	8.1	9,440	629	49	8.47	11,721	781	4	8.42	0	0	0
	5:31	665	8.1	9,440	629	49	8.47	11,721	781	4	8.42	0	0	0
	5:46	665	7.8	12,434	636	46.8	8.47	7,192	719	5.5	8.42	3,636	27.1	8.43
	5:46	665	7.8	12,434	636	46.8	8.47	7,192	719	5.5	8.42	3,636	27.1	8.43
	6:01	655	8	9,526	640	48.9	8.49	11,841	788	4.1	8.44	0	0	0
	6:01	655	8	9,526	640	48.9	8.49	11,841	788	4.1	8.44	0	0	0
	6:16	678	8.2	9,429	622	49.9	8.5	11,768	784	4.3	8.46	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:16	678	8.2	9,429	622	49.9	8.5	11,768	784	4.3	8.46	0	0	0
	6:31	659	7.8	12,396	680	48.8	8.51	6,928	712	5.4	8.46	3,803	27.6	8.47
	6:31	659	7.8	12,396	680	48.8	8.51	6,928	712	5.4	8.46	3,803	27.6	8.47
	6:46	659	8	9,691	632	48.5	8.51	11,790	797	4.7	8.47	249	9.8	8.46
	6:46	659	8	9,691	632	48.5	8.51	11,790	797	4.7	8.47	249	9.8	8.46
	7:01	671	8.2	9,442	642	49.1	8.52	11,714	780	4.6	8.48	0	0	0
	7:01	671	8.2	9,442	642	49.1	8.52	11,714	780	4.6	8.48	0	0	0
	7:16	652	7.9	12,137	748	46.3	8.52	7,042	724	5.4	8.48	3,837	27.8	8.49
	7:16	652	7.9	12,137	748	46.3	8.52	7,042	724	5.4	8.48	3,837	27.8	8.49
	7:31	673	8	9,954	878	46	8.52	11,703	790	5	8.49	249	9.8	8.48
	7:31	673	8	9,954	878	46	8.52	11,703	790	5	8.49	249	9.8	8.48
	7:46	653	7.7	12,577	728	44.1	8.53	7,885	954	6.4	8.5	6,695	7	8.5
	7:46	653	7.7	12,577	728	44.1	8.53	7,885	954	6.4	8.5	6,695	7	8.5
	8:01	674	7.2	13,538	786	43.5	8.53	4,571	952	6.6	8.5	8,560	15.6	8.5
	8:01	674	7.2	13,538	786	43.5	8.53	4,571	952	6.6	8.5	8,560	15.6	8.5
	8:16	654	6.8	13,281	896	43.1	8.53	2,659	885	7	8.5	11,774	7	8.5
	8:16	654	6.8	13,281	896	43.1	8.53	2,659	885	7	8.5	11,774	7	8.5
	8:31	661	6.5	13,265	865	42.8	8.53	0	0	0	0	14,925	7.2	8.51
	8:31	661	6.5	13,265	865	42.8	8.53	0	0	0	0	14,925	7.2	8.51
	8:46	693	6	13,785	995	42.3	8.54	0	0	0	0	13,514	14.3	8.52
	8:46	693	6	13,785	995	42.3	8.54	0	0	0	0	13,514	14.3	8.52
	9:01	678	5.7	13,559	898	42.2	8.55	0	0	0	0	14,323	9.4	8.53
	9:01	678	5.7	13,559	898	42.2	8.55	0	0	0	0	14,323	9.4	8.53
	9:16	653	6.2	10,080	27	41.5	8.56	0	0	0	0	11,443	8.5	8.54
	9:16	653	6.2	10,080	27	41.5	8.56	0	0	0	0	11,443	8.5	8.54
	9:31	0	6.4	5,525	0	45.5	8.56	0	0	0	0	6,260	9.1	8.55
	9:31	0	6.4	5,525	0	45.5	8.56	0	0	0	0	6,260	9.1	8.55
	10:31	699	5.9	12,052	666	29.1	7.6	6,930	711	3.3	7.53	2,795	13.6	7.63
	10:31	699	5.9	12,052	666	29.1	7.6	6,930	711	3.3	7.53	2,795	13.6	7.63

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:46	703	5.9	9,646	613	28.2	7.6	11,926	795	1.4	7.57	0	0	0
	10:46	703	5.9	9,646	613	28.2	7.6	11,926	795	1.4	7.57	0	0	0
	11:01	704	6.1	9,348	610	32.1	7.6	11,601	773	1.4	7.58	0	0	0
	11:01	704	6.1	9,348	610	32.1	7.6	11,601	773	1.4	7.58	0	0	0
	11:16	706	5.9	12,241	695	32.6	7.62	8,078	659	2.7	7.59	2,013	33.9	7.59
	11:16	706	5.9	12,241	695	32.6	7.62	8,078	659	2.7	7.59	2,013	33.9	7.59
	11:31	720	6	9,621	606	32.8	7.63	12,000	798	1.5	7.6	0	0	0
	11:31	720	6	9,621	606	32.8	7.63	12,000	798	1.5	7.6	0	0	0
	11:46	695	6.3	9,338	613	32.1	7.64	11,563	772	1.5	7.61	0	0	0
	11:46	695	6.3	9,338	613	32.1	7.64	11,563	772	1.5	7.61	0	0	0
	12:01	719	6.1	11,869	722	30.9	7.64	8,166	679	2.6	7.62	2,198	33.9	7.62
	12:01	719	6.1	11,869	722	30.9	7.64	8,166	679	2.6	7.62	2,198	33.9	7.62
	12:16	673	6.2	9,953	627	30.5	7.64	11,661	777	1.6	7.62	0	0	0
	12:16	673	6.2	9,953	627	30.5	7.64	11,661	777	1.6	7.62	0	0	0
	12:31	688	6.4	9,312	622	29.4	7.66	11,497	768	1.4	7.64	0	0	0
	12:31	688	6.4	9,312	622	29.4	7.66	11,497	768	1.4	7.64	0	0	0
	12:46	694	6.2	11,483	995	29	7.67	8,566	697	2.3	7.65	2,023	33.4	7.65
	12:46	694	6.2	11,483	995	29	7.67	8,566	697	2.3	7.65	2,023	33.4	7.65
	13:01	682	6.3	10,267	620	29.3	7.67	11,349	757	1.5	7.65	0	0	0
	13:01	682	6.3	10,267	620	29.3	7.67	11,349	757	1.5	7.65	0	0	0
	13:16	694	6.6	9,293	621	30.7	7.68	11,498	767	1.2	7.66	0	0	0
	13:16	694	6.6	9,293	621	30.7	7.68	11,498	767	1.2	7.66	0	0	0
	13:31	691	6.4	11,083	995	30.6	7.68	8,813	716	1.9	7.67	2,050	32.8	7.67
	13:31	691	6.4	11,083	995	30.6	7.68	8,813	716	1.9	7.67	2,050	32.8	7.67
	13:46	715	6.5	10,579	610	29.9	7.68	11,098	739	1.7	7.67	0	0	0
	13:46	715	6.5	10,579	610	29.9	7.68	11,098	739	1.7	7.67	0	0	0
	14:01	712	6.8	9,280	609	28.4	7.68	11,490	765	1.1	7.67	0	0	0
	14:01	712	6.8	9,280	609	28.4	7.68	11,490	765	1.1	7.67	0	0	0
	14:16	688	6.8	10,663	995	27.9	7.69	8,964	729	1.6	7.67	2,061	32.2	7.69

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:16	688	6.8	10,663	995	27.9	7.69	8,964	729	1.6	7.67	2,061	32.2	7.69
	14:31	692	6.8	10,928	619	27	7.69	10,820	721	1.8	7.68	0	0	0
	14:31	692	6.8	10,928	619	27	7.69	10,820	721	1.8	7.68	0	0	0
	14:46	678	7.1	9,211	611	26.8	7.7	11,454	763	1	7.69	0	0	0
	14:46	678	7.1	9,211	611	26.8	7.7	11,454	763	1	7.69	0	0	0
	15:01	693	7	10,284	995	26.7	7.71	9,333	728	1.4	7.69	1,620	36	7.7
	15:01	693	7	10,284	995	26.7	7.71	9,333	728	1.4	7.69	1,620	36	7.7
	15:16	692	7	11,311	607	26.3	7.71	10,211	707	2	7.69	371	11.5	7.7
	15:16	692	7	11,311	607	26.3	7.71	10,211	707	2	7.69	371	11.5	7.7
	15:31	693	7.3	9,228	607	26.7	7.71	11,462	762	1	7.7	0	0	0
	15:31	693	7.3	9,228	607	26.7	7.71	11,462	762	1	7.7	0	0	0
	15:46	659	7.3	9,917	995	26.3	7.72	10,065	730	1.4	7.71	888	47.4	7.72
	15:46	659	7.3	9,917	995	26.3	7.72	10,065	730	1.4	7.71	888	47.4	7.72
	16:01	684	7.1	11,641	609	25.4	7.72	9,403	699	2	7.71	1,104	21.1	7.72
	16:01	684	7.1	11,641	609	25.4	7.72	9,403	699	2	7.71	1,104	21.1	7.72
	16:16	700	7.5	9,193	601	24.9	7.73	11,358	758	1.1	7.72	0	0	0
	16:16	700	7.5	9,193	601	24.9	7.73	11,358	758	1.1	7.72	0	0	0
	16:31	692	7.6	9,496	995	24.3	7.73	10,864	730	1.4	7.72	165	10.4	7.72
	16:31	692	7.6	9,496	995	24.3	7.73	10,864	730	1.4	7.72	165	10.4	7.72
	16:46	698	7.4	11,980	602	23.3	7.73	8,597	692	2.2	7.72	1,839	31.6	7.72
	16:46	698	7.4	11,980	602	23.3	7.73	8,597	692	2.2	7.72	1,839	31.6	7.72
	17:01	678	7.7	9,149	609	22.7	7.73	11,333	756	1.1	7.72	0	0	0
	17:01	678	7.7	9,149	609	22.7	7.73	11,333	756	1.1	7.72	0	0	0
	17:16	695	6.5	12,311	610	22.1	7.73	8,144	652	2.3	7.72	1,840	27.6	7.72
	17:16	695	6.5	12,311	610	22.1	7.73	8,144	652	2.3	7.72	1,840	27.6	7.72
	17:31	709	6.8	9,125	606	22.7	7.73	11,395	759	1.2	7.72	0	0	0
	17:31	709	6.8	9,125	606	22.7	7.73	11,395	759	1.2	7.72	0	0	0
	17:46	722	7.1	9,057	604	22.5	7.73	11,252	752	1.3	7.72	0	0	0
	17:46	722	7.1	9,057	604	22.5	7.73	11,252	752	1.3	7.72	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:01	702	6.8	12,132	608	21.2	7.73	8,105	651	2.3	7.72	1,896	29.7	7.73
	18:01	702	6.8	12,132	608	21.2	7.73	8,105	651	2.3	7.72	1,896	29.7	7.73
	18:16	693	7.1	9,164	599	21.3	7.73	11,360	758	1.5	7.72	0	0	0
	18:16	693	7.1	9,164	599	21.3	7.73	11,360	758	1.5	7.72	0	0	0
	18:31	719	7.3	9,072	583	20.6	7.73	11,242	750	1.4	7.72	0	0	0
	18:31	719	7.3	9,072	583	20.6	7.73	11,242	750	1.4	7.72	0	0	0
	18:46	739	7.1	11,899	636	20	7.73	8,054	650	2.4	7.73	1,824	27.3	7.74
	18:46	739	7.1	11,899	636	20	7.73	8,054	650	2.4	7.73	1,824	27.3	7.74
	19:01	678	7.3	9,454	600	20	7.73	11,229	745	1.6	7.73	0	0	0
	19:01	678	7.3	9,454	600	20	7.73	11,229	745	1.6	7.73	0	0	0
	19:16	680	7.6	9,091	602	19.9	7.73	11,290	754	1.5	7.74	0	0	0
	19:16	680	7.6	9,091	602	19.9	7.73	11,290	754	1.5	7.74	0	0	0
	19:31	675	7.4	11,554	710	19.4	7.73	8,401	679	2.3	7.74	1,854	28.4	7.74
	19:31	675	7.4	11,554	710	19.4	7.73	8,401	679	2.3	7.74	1,854	28.4	7.74
	19:46	693	7.5	9,854	610	18.9	7.74	11,080	737	1.9	7.74	0	0	0
	19:46	693	7.5	9,854	610	18.9	7.74	11,080	737	1.9	7.74	0	0	0
	20:01	698	7.8	9,162	613	18.6	7.75	11,414	760	1.6	7.74	0	0	0
	20:01	698	7.8	9,162	613	18.6	7.75	11,414	760	1.6	7.74	0	0	0
	20:16	713	7.7	11,188	993	17.9	7.75	8,758	709	2.3	7.74	1,859	27.4	7.76
	20:16	713	7.7	11,188	993	17.9	7.75	8,758	709	2.3	7.74	1,859	27.4	7.76
	20:31	719	7.8	10,346	611	17.3	7.75	10,837	721	2.1	7.74	0	0	0
	20:31	719	7.8	10,346	611	17.3	7.75	10,837	721	2.1	7.74	0	0	0
	20:46	715	8	9,218	621	16	7.75	11,524	767	1.7	7.75	0	0	0
	20:46	715	8	9,218	621	16	7.75	11,524	767	1.7	7.75	0	0	0
	21:01	724	8	10,861	995	15.8	7.75	9,067	731	2.2	7.76	1,880	25.5	7.76
	21:01	724	8	10,861	995	15.8	7.75	9,067	731	2.2	7.76	1,880	25.5	7.76
	21:16	691	8	10,742	633	15.4	7.76	10,667	710	2.4	7.76	0	0	0
	21:16	691	8	10,742	633	15.4	7.76	10,667	710	2.4	7.76	0	0	0
	21:31	714	8.2	9,291	608	15.2	7.77	11,529	769	1.9	7.77	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:31	714	8.2	9,291	608	15.2	7.77	11,529	769	1.9	7.77	0	0	0
	21:46	693	8.2	10,533	995	14.7	7.78	9,189	740	2.1	7.78	1,833	25.4	7.8
	21:46	693	8.2	10,533	995	14.7	7.78	9,189	740	2.1	7.78	1,833	25.4	7.8
	22:01	725	8.2	11,121	625	14.6	7.79	10,499	700	2.7	7.8	0	5.9	7.8
	22:01	725	8.2	11,121	625	14.6	7.79	10,499	700	2.7	7.8	0	5.9	7.8
	22:16	707	8.5	9,309	636	14.6	7.8	11,582	772	2	7.8	0	0	0
	22:16	707	8.5	9,309	636	14.6	7.8	11,582	772	2	7.8	0	0	0
	22:31	701	8.5	10,168	995	14.6	7.8	10,016	745	2.3	7.82	1,097	33.8	7.82
	22:31	701	8.5	10,168	995	14.6	7.8	10,016	745	2.3	7.82	1,097	33.8	7.82
	22:46	701	8.4	11,553	616	14.6	7.8	9,763	698	2.9	7.82	746	12.3	7.82
	22:46	701	8.4	11,553	616	14.6	7.8	9,763	698	2.9	7.82	746	12.3	7.82
	23:01	709	8.6	9,355	612	14.6	7.82	11,672	775	2.2	7.82	0	0	0
	23:01	709	8.6	9,355	612	14.6	7.82	11,672	775	2.2	7.82	0	0	0
	23:16	692	8.7	9,784	995	14.4	7.82	10,804	749	2.4	7.82	361	41	7.84
	23:16	692	8.7	9,784	995	14.4	7.82	10,804	749	2.4	7.82	361	41	7.84
	23:31	707	8.5	11,940	611	13.9	7.82	9,006	692	3.1	7.83	1,478	20.6	7.84
	23:31	707	8.5	11,940	611	13.9	7.82	9,006	692	3.1	7.83	1,478	20.6	7.84
	23:46	0	8	9,402	621	13.5	7.83	11,655	777	2.3	7.84	0	0	0
	23:46	0	8	9,402	621	13.5	7.83	11,655	777	2.3	7.84	0	0	0
AVERAGES/TOTALS		686	7.38	1,952,406	701	32.7	8.02	1,797,664	753	2.8	7.96	314,038	23.7	8.05
MAXIMUM		739	8.70	13,785	995	49.9	8.56	12,018	954	7.0	8.50	14,925	47.4	8.55
MINIMUM		647	5.70	5,525	27	13.5	7.60	2,659	650	1.0	7.53	165	5.9	7.59
1/14/2021														
	0:01	721	8.2	9,399	995	13.2	7.83	11,352	764	2.5	7.84	0	0	0
	0:01	721	8.2	9,399	995	13.2	7.83	11,352	764	2.5	7.84	0	0	0
	0:16	737	7.9	12,290	616	13.5	7.84	8,484	676	3.4	7.84	1,871	24.7	7.84
	0:16	737	7.9	12,290	616	13.5	7.84	8,484	676	3.4	7.84	1,871	24.7	7.84
	0:31	724	8.2	9,344	615	13.2	7.84	11,618	776	2.7	7.86	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:31	724	8.2	9,344	615	13.2	7.84	11,618	776	2.7	7.86	0	0	0
	0:46	720	8.4	9,315	995	13.2	7.85	11,571	771	2.8	7.86	0	0	0
	0:46	720	8.4	9,315	995	13.2	7.85	11,571	771	2.8	7.86	0	0	0
	1:01	720	8.1	12,439	630	13	7.84	8,248	666	3.7	7.86	1,867	22.4	7.86
	1:01	720	8.1	12,439	630	13	7.84	8,248	666	3.7	7.86	1,867	22.4	7.86
	1:16	699	8.4	9,388	634	12.7	7.84	11,653	778	2.7	7.86	0	0	0
	1:16	699	8.4	9,388	634	12.7	7.84	11,653	778	2.7	7.86	0	0	0
	1:31	0	8.5	9,330	985	12	7.84	11,556	772	2.8	7.85	0	0	0
	1:31	0	8.5	9,330	985	12	7.84	11,556	772	2.8	7.85	0	0	0
	1:46	684	7.7	12,414	614	12.3	7.81	8,179	661	3.8	7.82	1,826	24.8	7.82
	1:46	684	7.7	12,414	614	12.3	7.81	8,179	661	3.8	7.82	1,826	24.8	7.82
	2:01	693	8	9,397	631	12.3	7.8	11,671	777	2.8	7.79	0	0	0
	2:01	693	8	9,397	631	12.3	7.8	11,671	777	2.8	7.79	0	0	0
	2:16	676	8.2	9,320	630	11.8	7.79	11,511	771	2.9	7.79	0	0	0
	2:16	676	8.2	9,320	630	11.8	7.79	11,511	771	2.9	7.79	0	0	0
	2:31	719	7.9	12,403	620	11.9	7.81	8,180	658	3.8	7.81	1,825	22.2	7.81
	2:31	719	7.9	12,403	620	11.9	7.81	8,180	658	3.8	7.81	1,825	22.2	7.81
	2:46	681	8.1	9,443	617	11.8	7.81	11,656	778	2.8	7.81	0	0	0
	2:46	681	8.1	9,443	617	11.8	7.81	11,656	778	2.8	7.81	0	0	0
	3:01	714	8.3	9,335	635	11.8	7.82	11,601	773	2.9	7.82	0	0	0
	3:01	714	8.3	9,335	635	11.8	7.82	11,601	773	2.9	7.82	0	0	0
	3:16	695	8	12,436	624	11.3	7.83	8,232	660	3.8	7.83	1,823	22.7	7.83
	3:16	695	8	12,436	624	11.3	7.83	8,232	660	3.8	7.83	1,823	22.7	7.83
	3:31	710	8.1	9,392	616	11.2	7.83	11,672	781	2.9	7.83	0	0	0
	3:31	710	8.1	9,392	616	11.2	7.83	11,672	781	2.9	7.83	0	0	0
	3:46	715	8.4	9,322	627	10.5	7.83	11,625	774	3	7.83	0	0	0
	3:46	715	8.4	9,322	627	10.5	7.83	11,625	774	3	7.83	0	0	0
	4:01	687	8.1	12,398	627	10.7	7.83	8,186	657	4	7.83	1,827	22.3	7.83
	4:01	687	8.1	12,398	627	10.7	7.83	8,186	657	4	7.83	1,827	22.3	7.83

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:16	687	8.3	9,411	621	10.6	7.83	11,765	785	3.1	7.84	0	0	0
	4:16	687	8.3	9,411	621	10.6	7.83	11,765	785	3.1	7.84	0	0	0
	4:31	0	8.1	9,325	619	10.5	7.84	11,718	780	3.2	7.84	0	0	0
	4:31	0	8.1	9,325	619	10.5	7.84	11,718	780	3.2	7.84	0	0	0
	4:46	672	7.6	12,390	617	10.5	7.84	8,262	665	4	7.84	1,870	24.2	7.84
	4:46	672	7.6	12,390	617	10.5	7.84	8,262	665	4	7.84	1,870	24.2	7.84
	5:01	719	7.8	9,399	625	10.5	7.85	11,710	782	3.2	7.84	0	0	0
	5:01	719	7.8	9,399	625	10.5	7.85	11,710	782	3.2	7.84	0	0	0
	5:16	704	8	9,320	600	10.5	7.84	11,672	775	3.3	7.84	0	0	0
	5:16	704	8	9,320	600	10.5	7.84	11,672	775	3.3	7.84	0	0	0
	5:31	670	7.7	12,341	622	10.5	7.84	8,212	658	4	7.83	1,824	22.2	7.84
	5:31	670	7.7	12,341	622	10.5	7.84	8,212	658	4	7.83	1,824	22.2	7.84
	5:46	689	7.9	9,411	602	10.5	7.83	11,767	784	3.4	7.82	0	0	0
	5:46	689	7.9	9,411	602	10.5	7.83	11,767	784	3.4	7.82	0	0	0
	6:01	689	8.1	9,326	630	10.5	7.82	11,675	777	3.3	7.81	0	0	0
	6:01	689	8.1	9,326	630	10.5	7.82	11,675	777	3.3	7.81	0	0	0
	6:16	673	7.9	12,036	637	10.4	7.82	8,349	672	4	7.81	1,856	23.7	7.81
	6:16	673	7.9	12,036	637	10.4	7.82	8,349	672	4	7.81	1,856	23.7	7.81
	6:31	677	8	9,695	636	10.6	7.82	11,538	769	3.5	7.81	0	0	0
	6:31	677	8	9,695	636	10.6	7.82	11,538	769	3.5	7.81	0	0	0
	6:46	726	8.3	9,316	622	10.5	7.82	11,674	776	3.4	7.81	0	0	0
	6:46	726	8.3	9,316	622	10.5	7.82	11,674	776	3.4	7.81	0	0	0
	7:01	707	8.1	11,684	717	10.5	7.81	8,623	697	4	7.8	1,846	24	7.81
	7:01	707	8.1	11,684	717	10.5	7.81	8,623	697	4	7.8	1,846	24	7.81
	7:16	709	8.2	10,074	618	10.5	7.81	11,310	753	3.7	7.79	0	0	0
	7:16	709	8.2	10,074	618	10.5	7.81	11,310	753	3.7	7.79	0	0	0
	7:31	708	8.5	9,367	635	10.5	7.8	11,633	777	3.5	7.78	0	0	0
	7:31	708	8.5	9,367	635	10.5	7.8	11,633	777	3.5	7.78	0	0	0
	7:46	670	8.3	11,303	994	10.1	7.79	8,892	716	4	7.77	1,834	23.7	7.78

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:46	670	8.3	11,303	994	10.1	7.79	8,892	716	4	7.77	1,834	23.7	7.78
	8:01	0	8.6	2,723	0	9.3	7.79	1,383	493	4.7	7.78	0	4.3	7.78
	8:01	0	8.6	2,723	0	9.3	7.79	1,383	493	4.7	7.78	0	4.3	7.78
	16:31	0	8.2	2,299	259	5.4	7.74	0	0	0	0	0	36.4	7.59
	16:31	0	8.2	2,299	259	5.4	7.74	0	0	0	0	0	36.4	7.59
	16:46	0	7.6	3,986	261	3.8	7.74	0	0	0	0	0	37.6	7.57
	16:46	0	7.6	3,986	261	3.8	7.74	0	0	0	0	0	37.6	7.57
AVERAGES/TOTALS		700	8.11	681,542	648	10.9	7.82	674,356	732	3.4	7.82	40,538	23.9	7.79
MAXIMUM		737	8.60	12,439	995	13.5	7.85	11,767	785	4.7	7.86	1,871	37.6	7.86
MINIMUM		670	7.60	2,299	259	3.8	7.74	1,383	493	2.5	7.77	1,823	4.3	7.57
1/15/2021														
	10:01	0	3.4	4,037	0	3.8	7.72	0	0	0	0	0	35.5	7.54
	10:01	0	3.4	4,037	0	3.8	7.72	0	0	0	0	0	35.5	7.54
AVERAGES/TOTALS			3.40	8,074		3.8	7.72						35.5	7.54
MAXIMUM			3.40	4,037		3.8	7.72						35.5	7.54
MINIMUM			3.40	4,037		3.8	7.72						35.5	7.54
1/18/2021														
	11:01	700	8	2,998	995	34.9	6.33	0	0	0	0	2,180	50.2	5.9
	11:01	700	8	2,998	995	34.9	6.33	0	0	0	0	2,180	50.2	5.9
	11:16	712	7.4	14,128	995	48.9	6.51	0	0	0	0	12,307	19.3	6.37
	11:16	712	7.4	14,128	995	48.9	6.51	0	0	0	0	12,307	19.3	6.37
	11:31	723	6.7	13,852	823	17.6	6.81	5,120	889	7	6.82	7,539	8.4	6.82
	11:31	723	6.7	13,852	823	17.6	6.81	5,120	889	7	6.82	7,539	8.4	6.82
	11:46	685	8.2	4,792	0	17	6.79	3,595	847	6.8	6.82	1,383	21	6.82
	11:46	685	8.2	4,792	0	17	6.79	3,595	847	6.8	6.82	1,383	21	6.82
	14:01	693	7.9	3,825	995	22.8	6.88	0	0	0	0	3,129	14.9	6.89
	14:01	693	7.9	3,825	995	22.8	6.88	0	0	0	0	3,129	14.9	6.89

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:16	0	7.5	12,592	692	16.7	6.87	11,284	883	5.4	6.86	1,696	5.5	6.87
	14:16	0	7.5	12,592	692	16.7	6.87	11,284	883	5.4	6.86	1,696	5.5	6.87
	14:31	0	7.6	10,052	651	20.3	6.86	12,480	831	7.2	6.85	0	0	0
	14:31	0	7.6	10,052	651	20.3	6.86	12,480	831	7.2	6.85	0	0	0
	14:46	0	7.5	10,694	995	24	6.88	11,818	790	2	6.68	0	0	0
	14:46	0	7.5	10,694	995	24	6.88	11,818	790	2	6.68	0	0	0
	15:01	0	7.6	10,519	0	24.1	6.91	9,019	748	0.8	6.72	100	0.4	6.73
AVERAGES/TOTALS		703	7.60	156,385	878	25.2	6.75	97,613	839	5.2	6.80	56,568	18.4	6.62
MAXIMUM		723	8.20	14,128	995	48.9	6.91	12,480	889	7.2	6.86	12,307	50.2	6.89
MINIMUM		685	6.70	2,998	651	16.7	6.33	3,595	748	0.8	6.68	100	0.4	5.90
1/21/2021														
	11:31	0	7.6	1,137	0	25.2	6.91	1,424	948	2.6	6.84	0	3.1	6.86
	11:46	762	7.4	7,859	660	20.4	6.58	7,927	882	4.5	6.65	1,631	1.7	6.37
	12:01	734	7.5	9,889	674	17.9	6.57	12,307	821	5.7	6.64	0	0	0
	12:16	799	7.2	12,783	671	16.2	6.57	10,014	671	6.1	6.6	0	0	0
	12:31	0	7.5	9,953	0	15.1	6.56	12,401	826	6.3	6.56	0	0	0
	12:46	780	7.5	9,409	660	14.8	6.81	11,064	836	2.2	6.77	568	1.5	6.45
	13:01	761	7.3	12,653	668	13.8	6.87	10,059	670	4.5	6.81	0	0	0
	13:16	796	7.4	9,988	670	14.4	6.88	12,415	828	5.4	6.81	0	0	0
	13:31	803	7.6	9,976	664	15.6	6.89	12,362	826	5.4	6.81	0	0	0
	13:46	803	7.3	12,629	678	15.9	6.9	9,993	667	5.9	6.82	0	0	0
	14:01	787	7.5	9,999	651	17.1	6.91	12,504	831	5.8	6.83	0	0	0
	14:16	782	7.7	9,957	669	19.2	6.91	12,399	826	5.6	6.83	0	0	0
	14:31	803	7.4	12,293	684	26.7	6.91	9,188	741	6	6.84	1,980	13	6.84
	14:46	776	7.5	10,344	667	32.4	6.91	12,276	814	6.1	6.84	0	0	0
	15:01	784	7.7	9,916	638	35.5	6.92	12,448	829	6.2	6.84	0	0	0
	15:16	774	7.5	11,937	995	36.8	6.92	8,809	788	6.8	6.84	2,965	16.5	6.85
	15:31	788	7.5	10,687	657	34.9	6.92	12,002	796	4	6.78	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:46	808	7.6	10,399	995	34.6	6.92	11,823	792	0.4	6.66	0	0	0
	16:01	790	7.4	12,188	674	33.1	6.92	10,684	708	4.5	6.81	0	0	0
	16:16	786	7.6	9,965	669	29.5	6.9	12,395	828	6.1	6.82	0	0	0
	16:31	0	6.8	10,136	995	22.5	6.9	12,225	819	5.9	6.81	0	0	0
	16:46	0	6.1	8,035	0	0	3.88	3,545	609	6.5	6.82	1,966	12.7	6.82
AVERAGES/TOTALS		784	7.39	222,132	718	23.4	6.70	230,264	789	5.1	6.77	9,110	8.1	6.70
MAXIMUM		808	7.70	12,783	995	36.8	6.92	12,504	948	6.8	6.84	2,965	16.5	6.86
MINIMUM		734	6.10	1,137	638	13.8	3.88	1,424	609	0.4	6.56	568	1.5	6.37
1/29/2021														
	11:01	808	5.3	10,284	932	39.5	5.21	0	0	0	0	7,706	9.9	4.6
	11:16	839	5.5	6,002	431	32.5	6.04	3,213	987	5.8	6.56	3,416	11.7	5.68
	11:31	846	6	6,768	674	36.1	6.8	7,385	889	4.8	6.67	1,002	4.8	6.45
	11:46	829	6.1	9,812	695	37.5	6.92	10,026	816	0.9	6.65	1,996	0.6	6.39
	12:01	856	5.9	12,556	721	38.8	6.87	10,055	670	0.7	6.77	0	0	0
	12:16	829	6	10,858	752	38.4	6.85	9,212	818	0.6	6.64	3,344	0.5	6.43
	12:31	824	6.3	10,083	651	36.6	6.83	12,577	837	0.4	6.84	0	0	0
	12:46	846	6.3	11,789	896	34.6	6.78	9,767	657	0.4	6.82	0	0	0
	13:01	851	6.5	10,653	643	33.2	6.77	11,957	795	0.5	6.91	0	0	0
	13:16	835	6.8	9,652	643	31.5	6.74	12,004	800	0.4	6.82	0	0	0
	13:31	836	6.8	11,373	995	31.6	6.72	10,059	675	0.4	6.82	0	0	0
	13:46	858	6.9	11,000	652	30.1	6.72	11,632	773	0.5	6.88	0	0	0
	14:01	852	7.2	9,652	641	29.8	6.7	12,053	803	0.3	6.79	0	0	0
	14:16	829	7.3	11,038	995	29.6	6.68	10,418	701	0.3	6.77	0	0	0
	14:31	0	7.4	11,334	641	27.7	6.66	11,409	758	0.4	6.81	0	0	0
	14:46	811	7.8	9,653	651	27.1	6.65	12,032	804	0.3	6.74	0	0	0
	15:01	812	7.8	10,742	995	26	6.63	10,759	722	0.3	6.73	0	0	0
	15:16	816	7.9	11,671	658	25.1	6.62	11,050	733	0.4	6.76	0	0	0
	15:31	0	7.5	9,668	652	23	6.57	12,116	806	0.3	6.71	0	0	0

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
15:46	0	6.1	10,313	995	20.1	6.56	11,133	747	0.3	6.71	0	0	0
16:01	0	5.7	7,738	0	18.1	6.55	5,170	627	0.5	6.76	213	0.4	6.76
16:46	835	6.3	698	750	29.8	6.48	816	817	0.4	6.8	27	0.4	6.81
17:01	818	6.5	10,175	653	14.9	6.57	12,596	841	0.3	6.75	0	0	0
AVERAGES/TOTALS	833	6.60	223,512	742	30.1	6.61	217,439	776	0.9	6.76	17,704	4.0	6.16
MAXIMUM	858	7.90	12,556	995	39.5	6.92	12,596	987	5.8	6.91	7,706	11.7	6.81
MINIMUM	808	5.30	698	431	14.9	5.21	816	627	0.3	6.56	27	0.4	4.60
1/31/2021													
10:46	841	7	3,727	0	17.3	6.58	4,628	805	0.3	6.71	6	0.3	6.71
11:01	842	7	7,467	641	28	6.51	9,282	851	0.4	6.91	0	0.4	7.25
11:16	851	6.7	12,725	653	12.1	6.49	6,023	408	0.4	6.7	0	0	0
11:31	852	7	8,059	667	19.5	6.42	3,744	315	0.4	6.57	121	0.4	6.55
11:46	0	7.1	12,385	0	22.7	6.38	4,358	757	0.3	6.51	9,204	0.4	6.48
12:01	759	5.4	10,909	752	24	6.74	7,521	627	0.4	6.87	561	0.3	6.36
12:16	868	5.7	10,497	655	24.3	6.8	11,317	753	0.5	6.86	0	0	0
12:31	818	6	9,721	640	26.1	6.78	11,391	760	0.3	6.83	0	0	0
12:46	842	6	11,588	995	28.1	6.76	9,676	645	0.4	6.85	0	0	0
13:01	836	6.2	10,823	672	29.1	6.76	11,097	738	0.6	6.89	0	0	0
13:16	845	6.6	9,778	651	28.5	6.77	11,469	765	0.4	6.87	0	0	0
13:31	834	6.6	11,309	995	28.9	6.76	10,103	672	0.4	6.86	0	0	0
13:46	832	6.8	11,174	650	28.2	6.76	10,812	722	0.5	6.87	0	0	0
14:01	845	7.2	9,778	644	27.9	6.74	11,534	768	0.4	6.85	0	0	0
14:16	837	7.3	10,955	995	27.6	6.74	10,430	695	0.4	6.85	0	0	0
14:31	838	7.4	11,503	646	28.8	6.74	10,622	707	0.5	6.86	0	0	0
14:46	0	7.8	9,791	642	33.4	6.72	11,558	770	0.4	6.83	0	0	0
15:01	0	7.5	12,566	651	31.4	6.72	9,359	624	0.5	6.84	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		836	6.74	184,755	722	25.9	6.68	164,924	688	0.4	6.81	9,892	0.4	6.67
MAXIMUM		868	7.80	12,725	995	33.4	6.80	11,558	851	0.6	6.91	9,204	0.4	7.25
MINIMUM		759	5.40	3,727	640	12.1	6.38	3,744	315	0.3	6.51	6	0.3	6.36

DATA SUMMARY

AVERAGES/TOTALS		752	7.26	12,783,338	705	45.9	7.95	11,388,928	734	3.2	7.78	1,488,568	21.6	7.75
MAXIMUM		880	8.90	14,128	995	105.0	9.08	12,596	988	9.5	8.50	14,925	50.2	9.09
MINIMUM		647	3.40	85	11	3.8	3.88	78	5	0.3	6.51	6	0.1	2.83

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS.
MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

MONTHLY SUMMARY REPORT

Emerald Gateway

JANUARY 2022

Downloaded: 2/8/2022

Date TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
1/4/2022														
9:47	0	14.1	103.5	1290	128	0.7	7.16	0	0	0	0	496	0	7.18
10:02	0	27.3	99.4	2122	173	11.9	7.09	0	0	0	0	2303	9	7.18
10:17	0	26	96.3	2776	200	9.7	7.03	0	0	0	0	2702	10.4	7.01
10:32	0	18.1	104.4	3290	386	9.5	7.15	0	0	0	0	2533	10.2	7.08
10:47	786	26	104.2	8370	522	11.7	7.28	0	0	0	0	6176	12.1	7.19
11:02	0	20.7	104.3	8201	659	23.5	7.64	670	461	9.9	7.35	6574	13.2	7.37
11:17	0	20.7	103.8	8604	532	21.6	8.29	135	507	0.1	7.65	7063	13.2	7.65
11:32	0	15.5	97.2	8498	688	19.2	8.38	0	0	0	0	6878	13.9	7.68
11:47	0	11.5	90	8534	526	17.2	6.95	0	0	0	0	6964	12.6	6.96
12:02	0	11.5	86.9	8997	535	16	7.02	0	0	0	0	6436	13.3	6.96
12:17	0	20.7	100	3539	535	16.1	6.98	0	0	0	0	3434	11.8	6.93
12:32	0	24.7	95.2	5954	364	16	6.98	4580	460	7	6.93	1655	11.8	6.98
12:47	0	30.3	93.7	1252	0	16.5	7	1023	415	7	6.96	265	12.6	6.98
13:02	821	19.4	103.4	3855	352	14.8	7.02	1945	245	5.3	6.96	467	13.4	6.98
13:17	834	19.4	103.9	7597	479	15.2	7.1	6177	435	6.8	6.96	412	11.2	6.94
13:32	0	20.7	103.2	7344	682	17.1	7.16	7710	516	6.1	7	0	0	0
13:47	822	22.1	102.9	8614	496	17.1	7.6	6016	443	7.4	7.17	579	11.8	7.12
14:02	832	20.7	103.4	7314	517	18.9	7.96	7758	516	6.2	7.22	0	0	0
AVERAGES/TOTALS	819	20.5	99.76	106,151	457	15.2	7.32	36,014	444	6.2	7.13	54,937	12.0	7.14
MAXIMUM	834	30.3	104.40	8,997	688	23.5	8.38	7,758	516	9.9	7.65	7,063	13.9	7.68
MINIMUM	786	11.5	86.90	1,252	128	0.7	6.95	135	245	0.1	6.93	265	9.0	6.93
1/5/2022														
9:17	0	18.9	77.8	5714	529	20.6	9.12	5591	509	6.8	7.51	275	11.1	7.43

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:32	0	11.8	82.1	7371	469	18.3	7.52	7583	514	3.3	6.88	134	9.1	6.88
	9:47	0	11.3	83.1	7224	473	18	8	7615	508	3.1	6.91	0	0	0
	10:02	0	14	83	5192	510	18	8.29	5447	506	3	7	0	3.1	7.05
	10:17	0	14.1	83.6	7207	468	18.2	7.23	6465	508	2.9	6.92	1087	4.1	7.08
	10:32	801	14.1	102.4	2641	0	18.9	8.38	3010	287	2.3	6.98	0	1.7	7.19
	10:47	781	14.1	102.8	1828	461	18.7	7.16	1789	516	1.5	7.21	60	2.1	7.28
	11:02	827	14.1	102.8	7099	459	17.4	7.94	7410	494	2.9	7.01	0	0	0
	11:17	0	14.1	102.9	7540	541	16.9	9.67	3112	497	5.4	7.81	4742	5.4	9
	11:32	0	12.8	102.4	7841	538	13.8	9.51	0	0	0	0	8194	5.1	9.26
	11:47	0	10.1	101.7	7337	475	11.7	8.64	5532	503	2.7	7.88	2206	4.6	8.7
	12:02	802	14.1	102.6	7066	482	12.1	8.99	7431	497	2.6	7.5	0	0	0
	12:17	816	14.1	102.8	7103	440	12.8	9.17	7440	497	2.7	7.32	0	0	0
	12:32	808	14.1	102.6	7134	467	12.9	9.38	7474	498	3.6	7.49	0	0	0
	12:47	0	14.2	102.6	7344	530	13.3	9.56	5084	498	4.1	8.09	2566	4.2	8.66
	13:02	0	14.1	98.6	7657	487	12	9.11	2324	515	3.1	8.29	5685	3.8	8.86
	13:17	0	22.1	99.5	7097	464	11.5	9.15	7453	496	3	7.99	0	0	0
	13:32	0	24.7	94.2	7076	462	11.5	9.03	7417	495	2.3	7.62	0	0	0
	13:47	779	14.2	102.6	5447	487	11.6	9.01	5546	496	2.2	7.49	90	2.4	7.48
	14:02	807	14.2	102.7	7013	472	12	9.07	7333	490	1.9	7.29	0	0	0
	14:17	0	12.8	102.7	4345	0	12.8	9.25	4517	490	2.5	7.29	0	2.5	7.29
	14:32	0	12.8	101.4	3199	464	12.8	9.22	3211	493	2.6	7.43	107	7.7	7.31
	14:47	0	11.6	96.4	6829	427	12.8	9.44	7131	476	3.3	8.01	0	0	0
	15:02	812	14.2	102.4	7229	466	12.2	9.11	4156	487	3	8.36	3453	3.3	8.56
	15:17	824	14.1	102.4	6845	451	11.8	9.16	7191	479	2.6	8.13	0	0	0
	15:32	0	11.5	102.6	7339	460	12.2	9.15	3453	491	2.9	8.41	4224	2.9	8.63
	15:47	825	14.1	102.3	6804	445	10.6	8	7111	475	1.1	7.91	0	0	0
	16:02	0	12.8	102.2	6786	434	11.7	8.97	7111	473	2	7.92	0	0	0
	16:17	0	10.2	102.3	6780	490	12.7	9.18	7117	474	2.6	8.33	0	0	0
	16:32	815	12.8	101.7	6955	446	11.6	7.98	6100	478	1.1	7.99	1175	2.4	8.52

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:47	811	12.8	102.1	6751	456	11.6	7.69	7076	470	0.9	7.53	0	0	0
	17:02	0	11.5	102.2	6735	451	12.7	8.44	6997	469	1.3	7.49	0	0	0
	17:17	0	14.2	97.8	6692	450	12.1	7.97	6984	466	1.1	7.42	0	0	0
	17:32	802	12.8	101.9	6631	442	12.4	8.19	6980	464	1.1	7.4	0	0	0
	17:47	0	12.8	101.7	6716	458	12.8	9.16	6946	466	2.4	7.79	0	0	0
	18:02	0	16.8	100	6680	422	12.8	8.82	7019	468	2.4	8.17	0	0	0
	18:17	788	12.8	101.8	6657	451	12.8	8.57	6981	463	1.4	7.67	0	0	0
	18:32	815	12.8	101.8	6613	415	12.8	8.57	6922	461	1.3	7.63	0	0	0
	18:47	0	11.5	102.1	6597	444	12.8	9.13	6927	462	2.2	7.88	0	0	0
	19:02	0	20.7	98.4	6636	434	12.8	9.15	6951	461	2.4	8.3	0	0	0
	19:17	815	12.8	101.7	6537	452	12.8	8.54	6890	459	1.6	8.17	0	0	0
	19:32	0	12.8	101.8	6516	418	12.8	8.15	6840	457	0.9	7.72	0	0	0
	19:47	0	12.8	101.7	6538	428	12.8	8.8	6833	456	1.4	7.83	0	0	0
	AVERAGES/TOTALS	808	13.9	99.17	279,341	464	13.6	8.71	258,500	480	2.5	7.67	33,998	4.4	7.95
	MAXIMUM	827	24.7	102.90	7,841	541	20.6	9.67	7,615	516	6.8	8.41	8,194	11.1	9.26
	MINIMUM	779	10.1	77.80	1,828	415	10.6	7.16	1,789	287	0.9	6.88	60	1.7	6.88
1/6/2022															
	7:32	0	8.1	78.1	4104	0	12.8	8.74	4305	454	1.4	7.91	0	1.4	7.95
	8:02	787	12.7	101.1	5486	422	11.5	8.46	5459	448	1	7.85	248	1.5	7.81
	8:17	0	11.5	101.2	6234	400	11.5	8.15	6565	435	0.7	7.84	0	0	0
	8:32	787	12.8	101.8	5084	399	11.7	8.19	5194	441	0.7	7.65	193	0.8	7.65
	8:47	0	11.5	102.1	6259	420	12.8	8.94	6560	438	1.5	7.84	0	0	0
	9:02	812	14.1	101.8	5857	464	12.8	9.17	5043	439	1.8	8.3	1092	1.9	8.53
	9:17	0	12.8	101.7	5223	469	11.2	9.32	0	0	0	0	5481	1.9	8.71
	9:32	0	14.2	98.2	3943	424	9.7	9.37	0	0	0	0	4182	2.2	8.97
	9:47	0	12.8	100.7	6934	400	15.1	8.97	1187	473	1.5	7.41	6103	1.8	8.86
	10:02	827	14.2	101.9	6213	417	15.3	7.08	6545	435	1.1	7.14	0	0	0
	10:17	0	11.5	101.7	6183	398	15.7	6.77	6438	430	0.4	6.7	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:32	0	14.2	102	6136	372	11.3	6.79	6385	427	0.6	6.69	0	0	0
	10:47	0	12.8	102.1	6084	418	9.4	6.9	6377	425	0.6	6.77	0	0	0
	11:02	0	14.2	102.2	6051	413	10.2	7.07	6336	422	0.6	6.95	0	0	0
	11:17	792	14.2	101.9	6037	618	11	7.31	5690	405	0.8	7.12	198	4.2	7.19
	11:32	820	14.2	101.9	7965	475	11.8	7.7	5285	458	3.6	7.25	1316	27.1	7.15
	11:47	0	14.2	101.7	7113	453	12.5	8.65	7447	498	3.3	7.64	0	0	0
	12:02	830	16.8	101.9	8343	458	12.8	8.1	5784	427	4.1	7.75	624	14.9	7.48
	12:17	806	16.8	102	7175	473	13.2	7.06	7493	500	3.1	6.98	0	0	0
	12:32	0	15.5	102.4	7078	81	13.9	7.26	7457	494	2.6	7.04	0	0	0
	12:47	0	15.5	102	6403	481	14.4	7.74	6571	498	2.4	7.26	161	2.4	7.24
	13:02	794	16.9	102.2	7076	479	14.4	8.17	7424	493	2.7	7.56	0	0	0
	13:17	812	16.9	102.2	7044	465	15	7.44	7363	492	1.9	7.29	0	0	0
	13:32	0	16.9	102.9	7007	469	15.2	7.99	7428	492	2	7.36	0	0	0
	13:47	0	18.1	102.8	6998	472	15.5	8.53	7409	491	2.5	7.62	0	0	0
	14:02	801	16.9	102.9	5633	471	15.5	9.06	5823	495	3.7	8.05	136	3.4	8.31
	14:32	0	31.5	95.2	2569	449	15.4	8.34	2531	511	3.1	7.89	191	3.4	7.45
	14:47	0	16.8	102.1	6925	464	15.4	8.65	7286	486	2.3	7.54	0	0	0
	15:02	0	18.1	102.4	4657	476	15.4	8.56	4728	488	2.2	7.49	219	2	7.36
	15:17	820	18.1	102.6	6902	470	15.5	8.84	7275	485	2.3	7.46	0	0	0
	15:32	811	16.9	102.4	6847	0	16.7	9.16	7210	482	3	7.68	0	0	0
	15:47	0	18.2	102.8	5866	459	16.7	9.07	5977	489	3	7.93	146	3.4	8.06
	16:02	778	16.9	102.6	6992	471	16.8	9.31	7302	487	3.4	8.15	0	0	0
	16:17	820	16.9	102.4	5419	509	16.8	8.98	5706	486	2.8	8	0	2.2	7.59
	16:32	836	16.9	102.5	6331	462	16.8	9.06	6571	485	2.2	7.52	133	2.2	7.5
	16:47	0	16.8	102.7	6804	413	16.8	9.33	7115	476	2.8	7.86	0	0	0
	17:02	0	18.1	102.8	5365	466	16.3	9.31	2439	484	3.2	8.16	3187	3.3	8.61
	17:17	0	22.1	101.3	6784	441	15	8.72	7137	476	3.3	7.31	0	0	0
	17:32	831	16.9	102.4	5263	449	14.1	7.73	5348	479	3.2	7.55	130	3.2	7.53
	17:47	826	16.9	101.9	5912	0	14.8	7.57	6223	470	3.2	7.74	0	3.2	7.79

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:02	809	16.9	101.9	4865	422	18.1	7.49	5142	477	3.2	7.85	0	3.2	7.82
	18:17	0	15.5	102.1	6918	504	18.4	7.82	4707	471	4.8	7.9	2577	4.1	8.63
	18:32	0	16.9	102.1	4418	483	13.2	8.37	3943	479	2	7.92	660	2	8.37
	18:47	0	16.9	102.3	5636	433	14	8.73	5821	475	1.3	7.39	135	1.2	7.4
	AVERAGES/TOTALS	810	15.9	101.32	268,136	443	14.1	8.27	250,029	469	2.3	7.56	27,112	4.0	7.92
	MAXIMUM	836	31.5	102.90	8,343	618	18.4	9.37	7,493	511	4.8	8.30	6,103	27.1	8.97
	MINIMUM	778	8.1	78.10	2,569	81	9.4	6.77	1,187	405	0.4	6.69	130	0.8	7.15
1/7/2022															
	7:17	0	11.2	84.3	4475	0	14.1	9.13	4757	463	1.6	7.51	0	2	7.65
	8:02	0	19.4	98.7	1341	423	13.2	8.53	1328	488	1.6	7.56	124	2.8	7.43
	8:17	824	20.7	102.9	7351	465	13.6	8.83	5146	403	2.4	7.87	846	24.4	8.02
	8:32	825	23.4	102.9	7521	542	15.5	7.93	6329	453	3.1	7.43	470	17.5	7.77
	8:47	803	22.1	103	7936	481	17.6	8.68	5831	447	5.9	7.81	788	15.1	7.55
	9:02	806	20.7	103.1	6998	588	19	8.11	7371	490	4.3	7.45	0	0	0
	9:17	0	23.4	103.1	8290	480	19.4	7.28	5769	427	4.4	7.04	637	13.5	7.04
	9:32	834	20.7	103.4	7130	500	19.4	7.98	7498	500	3.5	7.25	0	0	0
	9:47	833	22	103.5	7773	674	19.4	8.62	6501	465	4.6	7.49	402	16.1	7.67
	10:02	823	23.4	103.4	7664	477	19.3	8.17	6739	473	4.8	7.5	379	12.8	7.57
	10:17	808	22.1	103.6	7055	596	19.4	7.65	7410	496	2.7	7.33	0	0	0
	10:32	820	26	103.3	8300	466	19.5	7.73	5872	431	4	7.44	632	12.6	7.42
	10:47	802	22.1	103.7	7062	475	20.6	8.21	7452	498	3.5	7.65	0	0	0
	11:02	0	22.1	103.8	8291	510	20.7	8.48	6025	437	4.6	7.89	495	13.2	7.92
	11:17	797	22.1	103.4	7225	468	20.5	7.84	7203	496	3.8	7.63	281	12.3	7.77
	11:32	814	20.7	103.8	7364	613	20.5	7.45	7158	478	2.4	7.35	0	0	0
	11:47	813	22	103.6	8143	478	20	7.59	6225	455	4.2	7.36	539	12.3	7.33
	12:02	0	22.1	103.7	7141	492	20.7	8.07	7497	499	3.4	7.49	0	0	0
	12:17	798	23.4	103.4	8363	482	20.7	8.47	5876	432	5.1	7.81	642	13.6	7.9
	12:32	799	22.1	103.4	7119	478	20.7	8.35	7492	500	4.5	7.76	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:47	839	20.7	103.8	7813	642	20.7	8.53	6285	465	4.2	8.01	592	15.3	7.96
	13:02	826	22.1	103.6	7642	484	20.7	8.32	6663	474	5.2	7.8	482	12.4	7.73
	13:17	808	20.7	103.8	7081	603	20.7	8.04	7497	499	3.7	7.63	0	0	0
	13:32	0	24.7	104	8409	483	20.7	8.32	5440	435	5.8	7.52	1087	14	7.48
	13:47	801	22.1	104	7073	477	21.1	8.76	7447	499	4.9	7.91	0	0	0
	14:02	0	22.1	104	7140	484	21.7	8.67	7491	499	4.1	8.08	0	0	0
	14:17	823	22.1	104	7057	465	21.5	8.45	7506	499	3.6	7.85	0	0	0
	14:32	795	22.1	104	7482	637	21.6	8.56	6744	476	3.7	7.88	303	18	7.95
	14:47	0	27.7	104	7968	478	21.2	7.32	6158	462	6.1	7.25	777	14.6	7.29
	15:02	0	23.4	104.2	7106	483	22	7.2	7489	499	4.6	7.11	0	0	0
	15:17	803	30.3	103.6	8443	481	22	7.3	5252	438	6.2	7.07	1336	15.2	7.1
	15:32	794	24.7	104	7099	462	22	7.5	7491	499	5.2	7.1	0	0	0
	15:47	809	23.4	104	7085	492	22.9	8.27	7494	499	4.3	7.36	0	0	0
	16:02	835	23.4	103.8	7075	482	23.4	8.93	7457	496	4.1	7.84	0	0	0
	16:17	509	23.4	103.9	7545	533	22.4	9.16	2470	498	3.7	8.36	5542	3.3	8.71
	16:32	0	30.2	103.5	8699	532	20	8.79	1632	403	6	8.47	5403	6.6	8.57
	16:47	0	24.7	103.5	7157	440	19.1	7.88	6920	502	4.3	7.31	707	4.5	8.54
	17:02	809	30.3	102.7	7036	492	19.4	8.16	7372	492	3.7	7.3	0	0	0
	17:17	793	23.4	103.8	7024	482	19.7	8.05	7330	493	3.1	7.49	0	0	0
	17:32	783	24.6	103.8	7981	607	20.9	7.89	5815	452	4.5	7.2	905	17.1	7.19
	17:47	816	24.6	103.9	7460	495	21.6	8.31	6717	488	5.4	7.28	608	15.5	7.21
	18:02	801	23.4	104	7046	466	22	8.39	7453	496	4.4	7.42	0	0	0
	18:17	820	23.4	104.1	7050	466	22	8.4	7452	496	3.9	7.5	0	0	0
	18:32	814	23.4	104.4	7059	462	22	8	7437	495	3.7	7.32	0	0	0
	18:47	0	24.6	104.5	7832	639	22	7.59	5828	465	4.5	7.11	1004	18.7	7.05
	19:02	829	30.3	104.1	7636	448	22.4	7.62	6502	482	6.3	7.04	733	14.8	7.06
	19:17	848	23.4	104.5	7052	482	23.4	7.97	7439	496	4.8	7.11	0	0	0

Date TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	804	23.2	103.18	343,592	508	20.3	8.16	302,260	475	4.2	7.53	25,714	13.0	7.65
MAXIMUM	848	30.3	104.50	8,699	674	23.4	9.16	7,506	502	6.3	8.47	5,542	24.4	8.71
MINIMUM	509	11.2	84.30	1,341	423	13.2	7.20	1,328	403	1.6	7.04	124	2.0	7.04
1/8/2022														
8:02	0	22.9	73.2	5401	0	23.4	8.34	5690	496	4.3	7.3	0	4.1	7.37
8:17	0	15.2	88.4	3028	433	21.5	8.01	3185	512	3.8	7.18	62	4.3	6.95
8:32	0	20.6	90.7	6627	442	22	8.39	7247	482	3.2	7.44	0	0	0
8:47	0	18.1	91.6	6680	454	22	8.49	7255	484	3.1	7.55	0	0	0
9:02	807	22	104.2	4248	458	22	7.9	4473	496	3.3	7.5	135	3.1	7.57
9:17	0	20.7	104.3	6977	451	21.5	6.46	5900	492	4.3	6.63	1639	4.6	6.48
9:32	838	22.1	104.1	5397	0	20.7	6.7	5768	482	4	6.64	0	3.8	6.73
9:47	810	22.1	104.3	5572	450	21.7	7.48	5942	493	3.8	6.92	133	3.9	6.78
10:02	818	22.1	104.3	6705	472	22	8.37	7245	484	3.6	7.25	0	0	0
10:17	0	24.7	104.3	6802	484	22.1	9.26	7240	484	4.2	7.85	0	0	0
10:32	0	19.5	104.2	7344	455	20.3	8.26	2863	503	3.9	7.82	5041	3.8	8.82
10:47	0	24.7	95.6	6813	454	19	7.4	7194	480	2.9	7.32	0	0	0
11:02	798	22.1	103.8	5652	0	19.4	8.02	5990	479	2.3	7.38	47	2.3	7.51
11:17	0	20.9	101.5	5589	440	20.1	8.44	5832	486	2.4	7.7	131	2.3	7.55
11:32	809	22.1	104.4	3673	453	20.3	8.02	3768	489	2.4	7.69	173	2.3	7.73
11:47	800	22.2	104.5	6710	439	20.8	8.2	7101	474	2.3	7.51	0	0	0
12:02	0	20.9	104.5	6758	460	21.4	8.81	7145	475	2.6	7.73	0	0	0
12:17	0	19.6	103.1	6950	462	21.2	9.07	5032	478	2.7	8.25	2386	2.6	8.6
12:32	830	22.2	103.8	2370	0	18.7	7.53	2528	481	2.5	7.95	0	2.3	7.63
12:47	823	22.2	104.5	5164	423	19.3	7.51	5383	477	2	7.48	127	2.3	7.42
13:02	0	22.2	104.5	6615	447	20.7	7.69	6974	465	1.8	7.44	0	0	0
13:17	0	31.7	97.9	6604	452	20.8	7.72	6946	464	2	7.53	0	0	0
13:32	826	22.2	104.1	4368	444	20.7	7.73	4486	473	2	7.53	132	1.9	7.54
13:47	822	22.2	104.3	6536	436	20.9	8.78	6937	464	1.9	7.81	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:02	0	20.9	104.5	6897	454	21.6	9.52	3702	464	2.4	8.26	3673	2.4	8.74
	14:17	0	19.6	103.3	7248	460	17.7	9.38	0	0	0	0	7910	2	9.02
	14:32	0	19.6	99.4	7192	492	14	9.32	0	0	0	0	7852	1.5	9.04
	14:47	792	22.2	104.4	5071	473	13.3	9.43	0	0	0	0	5478	1.5	9.05
	15:02	0	22.2	104.4	7198	482	14	9.54	0	0	0	0	7825	1.5	9.3
	15:17	0	22.1	104.1	7185	478	12.6	8.59	0	0	0	0	7819	1.4	8.87
	15:32	0	10.3	101.7	6834	441	10.8	7.65	4037	464	1.1	7.98	3271	1.2	8.69
	15:47	0	27.7	98.1	6363	431	10.2	6.99	6721	449	1	7.43	0	0	0
	16:02	813	22.2	103.1	6360	0	10.8	6.82	6700	448	1.2	7.01	0	0	0
	16:17	0	20.8	103.9	4188	557	12.5	6.44	4319	458	1.3	6.79	130	1.2	6.93
	16:32	796	22.1	104.1	8301	491	14.2	6.25	1520	463	5.8	6.7	5232	12.7	6.36
	16:47	815	23.5	103.9	7277	424	14.8	6.51	4771	500	4	6.59	3068	4.3	6.45
	17:02	0	23.4	104	6977	452	16.3	7.01	7348	488	3.4	6.88	0	0	0
	17:17	0	30.3	97.3	6921	455	15.6	7.03	7367	490	3.2	6.94	0	0	0
	17:32	805	22.1	103.9	4651	457	15.9	7.15	4796	492	3	7.02	138	2.8	7.06
	17:47	0	19.5	103.2	6865	457	18	7.58	7286	484	2.8	7.24	0	0	0
	18:02	819	22.1	103.9	4377	461	18.1	7.59	4495	485	2.7	7.29	135	2.5	7.29
	18:17	811	22.1	103.9	6863	470	19.6	8.32	7225	483	3.1	7.51	0	0	0
	18:32	0	22.1	104	7045	441	20.8	8.93	5562	482	3.6	8.14	1932	3.3	8.61
	18:47	0	30.3	99.1	6862	456	19.4	8.25	7278	484	2.9	7.66	0	0	0
	19:02	823	22.1	103.4	6164	0	19.4	8.98	6536	475	2.4	8.17	0	2.5	8.39
	19:17	0	22.1	103.5	5249	523	20.1	9.12	1774	509	2.5	8.42	3908	2.8	8.6
	19:32	0	19.5	102.7	6997	429	17.2	7.76	5406	481	2.2	7.82	2034	2.9	8.59
	19:47	0	22.1	103.7	4418	430	17.1	7.2	4449	479	2.2	7.28	256	2.2	7.19
AVERAGES/TOTALS		813	22.0	101.62	292,086	458	18.5	8.00	239,416	481	2.8	7.45	70,667	3.0	7.83
MAXIMUM		838	31.7	104.50	8,301	557	23.4	9.54	7,367	512	5.8	8.42	7,910	12.7	9.30
MINIMUM		792	10.3	73.20	2,370	423	10.2	6.25	1,520	448	1.0	6.59	47	1.2	6.36

1/9/2022

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:17	811	22.2	103.1	4886	445	22.1	8.6	5149	479	4.6	7.78	0	4.9	8.01
	14:32	767	20.9	103.6	8268	469	22	8.2	5096	427	6.2	7.91	1359	16.8	7.83
	14:47	0	22.2	103.8	6845	462	22.1	7.76	7247	482	5	7.29	0	0	0
	15:02	0	22.2	103	6799	594	22.1	8.34	7207	480	4.8	7.54	0	0	0
	15:17	810	26.4	101.4	5379	0	22	8.13	3012	397	6.5	7.66	679	15.2	7.57
	15:32	817	22.1	103.3	5643	470	22	8.34	5631	491	5.6	7.83	420	23.5	7.7
	15:47	0	25.1	103.1	6808	431	22.1	7.89	7178	479	3.9	7.43	0	0	0
	16:02	0	20.9	100.8	7620	587	22.1	8.27	5975	443	4.5	7.53	587	19.5	7.66
	16:17	796	25.1	102.7	6086	453	22.1	8.24	5066	469	5.7	7.65	609	15	7.67
	16:32	797	23.5	102.9	6768	449	23.2	7.92	7188	479	4.2	7.64	0	0	0
	16:47	0	19.5	103.4	6765	472	24.7	7.66	7131	477	3.3	7.21	0	0	0
	17:02	797	22.1	103.2	6850	631	24	8.15	6971	464	3.3	7.47	0	0	0
	17:17	826	23.4	103.1	8130	421	23.8	7.8	5167	435	6	7.38	1295	18.7	7.44
	17:32	0	20.7	103.6	6714	456	25	7.71	7166	477	4.1	7.21	0	0	0
	17:47	835	20.7	103.2	7264	601	24.9	8.28	6460	452	4.5	7.57	301	20.4	7.65
	AVERAGES/TOTALS	806	22.5	102.95	100,825	496	22.9	8.09	91,644	462	4.8	7.54	5,250	16.8	7.69
	MAXIMUM	835	26.4	103.80	8,268	631	25.0	8.60	7,247	491	6.5	7.91	1,359	23.5	8.01
	MINIMUM	767	19.5	100.80	4,886	421	22.0	7.66	3,012	397	3.3	7.21	301	4.9	7.44
1/10/2022															
	8:17	824	24.3	98.4	2484	452	19.4	7.39	2263	504	4.3	6.96	417	3.1	6.46
	8:32	790	24.4	100.2	6583	436	19.2	7.64	7009	467	3.6	7	0	0	0
	8:47	0	25.8	100.6	6580	440	18.4	7.08	7012	468	3.6	6.73	0	0	0
	9:02	0	23.3	99.4	8074	443	18.5	7.7	5043	409	5.1	6.87	1178	18	6.99
	9:17	0	24.6	91.9	6746	460	18	8.02	7118	474	4.5	7.23	0	0	0
	9:32	813	24.6	100.7	4589	630	18	7.92	4196	454	4.2	7.36	139	4	7.36
	9:47	814	24.7	100.8	7816	445	17.7	7.8	5410	434	6.2	7.21	1067	17.4	7.21
	10:02	824	26	100.5	6584	441	17.5	7.76	7022	468	4.8	7.33	0	0	0
	10:17	0	27.3	100.3	8155	435	17.8	7.81	5207	416	5.8	7.37	1086	17.5	7.48

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:32	0	27.3	100.5	6695	441	17.7	7.39	7050	471	4.4	7.16	0	0	0
	10:47	814	27.3	100.3	7714	571	18.1	7.84	5587	431	4.8	7.4	807	18.6	7.43
	11:02	816	24.7	100.6	7187	446	18.1	7.29	6461	459	4.9	7.12	484	14	7.06
	11:17	0	26	100.5	6659	618	18.1	7.96	7046	470	3.8	7.48	0	0	0
	11:32	783	30.3	99.6	8149	440	18.1	7.88	5273	414	5.5	7.61	991	16.8	7.6
	11:47	0	26	100.4	6615	437	18.1	7.85	7079	470	3.9	7.57	0	0	0
	12:02	831	26	100.4	7989	463	18.1	7.92	5498	414	4.7	7.6	696	17.1	7.61
	12:17	0	24.7	99.9	6769	433	18.1	7.75	6836	471	4.5	7.63	284	14.4	7.67
	12:32	821	24.7	100	6945	435	18.1	7.26	6616	447	3.1	7.24	100	18.3	7.16
	12:47	817	26.4	100.2	7728	446	18	7.46	5579	436	5.3	7.22	962	15.5	7.13
	13:02	0	26.4	100.3	6579	438	18.1	7.68	7020	467	3.8	7.5	0	0	0
	13:17	816	24.7	100.3	8123	438	17.9	7.43	5233	410	4.7	7.28	979	16.1	7.27
	13:32	793	24.7	100.3	6621	426	17.9	8.05	6978	468	4	7.65	0	0	0
	13:47	788	24.7	100.3	7486	593	17.5	7.78	5956	432	4	7.59	493	17.1	7.53
	14:02	796	24.7	100.4	7209	442	16.8	7.8	6360	448	4.7	7.54	376	13.5	7.43
	14:17	0	25.1	100.4	6619	601	16.8	7.44	7014	466	3	7.37	0	0	0
	14:32	0	26.4	100.2	8083	422	16.8	7.67	5344	406	4.9	7.45	782	15.7	7.43
	14:47	56	27.7	100.4	6528	443	16.8	7.55	6969	465	3.6	7.43	0	0	0
	15:02	0	27.7	100.3	7948	458	16.8	7.69	5451	406	4	7.4	600	15.9	7.49
	15:17	798	26.4	100.1	6720	434	16.8	7.69	6735	465	4	7.51	279	13.6	7.48
	15:32	830	26.4	100.1	6914	472	16.8	7.44	6507	443	2.9	7.27	101	16.2	7.33
	15:47	820	29.1	99.6	7706	437	16.8	7.56	5471	426	4.6	7.32	954	15.2	7.3
	16:02	0	29	99.6	6528	415	17	7.69	6947	463	3.2	7.46	0	0	0
	16:17	818	27.7	99.7	8045	436	17.4	7.3	5313	401	4.4	7.16	781	15.1	7.17
	16:32	0	29	99.7	6521	438	18.1	7.65	6943	463	3.2	7.35	0	0	0
	16:47	0	27.7	99.9	7553	592	18.1	7.93	5750	420	3.9	7.53	499	17	7.58
	17:02	0	27.7	99.8	6978	438	18.1	7.91	6371	447	4.5	7.64	386	13.5	7.6
	17:17	819	26.4	99.7	6545	440	18.1	7.58	6868	459	2.4	7.41	0	0	0
	17:32	0	27.7	99.6	7893	454	18.1	7.78	5315	400	4.3	7.52	776	14.9	7.49

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:47	810	29.1	99	6493	418	18.1	7.77	6898	459	3	7.63	0	0	0
	18:02	791	30.3	99	7930	455	18.1	7.31	5326	396	3.5	7.14	639	15	7.26
	18:17	799	27.7	99.4	6516	432	18.1	7.5	6803	461	3	7.33	140	11.8	7.28
	18:32	830	26.4	99.6	6977	601	18.1	7.64	6308	435	2.6	7.4	202	17.2	7.42
	18:47	801	27.7	99.6	7445	433	18.2	7.87	5797	423	4.4	7.5	578	14	7.42
	19:02	0	23.5	99.7	6455	406	18.2	7.52	6858	457	3.4	7.32	0	0	0
	19:17	0	58.4	90.3	7980	421	18.1	8.07	5196	395	4.7	7.67	768	15.2	7.72
	19:32	798	25.1	99.4	6374	420	18.1	8.11	6818	453	3.2	7.79	0	0	0
	19:47	0	25.1	99.5	7400	576	18.1	8.3	5717	408	3.9	7.94	392	15.8	7.99
	AVERAGES/TOTALS	782	27.0	99.60	330,230	466	17.8	7.69	287,571	443	4.1	7.39	17,936	14.9	7.38
	MAXIMUM	831	58.4	100.80	8,155	630	19.4	8.30	7,118	504	6.2	7.94	1,178	18.6	7.99
	MINIMUM	56	23.3	90.30	2,484	406	16.8	7.08	2,263	395	2.4	6.73	100	3.1	6.46
1/11/2022															
	8:32	0	15.2	76.8	1199	0	18.2	8	618	338	5.3	7.92	99	8.5	7.9
	8:47	793	23.2	98	1859	424	15.3	6.92	1902	512	4.1	7.08	130	6.5	6.91
	9:02	0	24.6	97.6	7909	433	15.4	6.92	5020	388	4.3	6.93	791	14.4	6.91
	9:17	844	24.7	98.3	6360	385	15.4	6.92	6761	450	2.7	6.85	0	0	0
	9:32	812	24.7	98.5	7030	619	15.9	7.19	5978	424	3	6.96	290	17.7	7.17
	9:47	805	26	98.4	7309	436	16.7	7.92	5740	427	5.6	7.45	660	14.3	7.26
	10:02	0	26	98.7	6352	396	17.6	7.97	6786	452	5	7.75	0	0	0
	10:17	0	29	97.6	7867	414	17.1	7.45	5226	397	5.3	7.33	774	14.6	7.21
	10:32	824	26	97.4	6398	422	16.8	7.65	6742	450	4	7.34	0	0	0
	10:47	813	31.6	97.6	7785	427	16.8	7.71	5201	391	4.7	7.41	702	15.4	7.42
	11:02	811	26	98.3	6391	428	17.7	8.13	6606	454	5.5	7.85	287	12.7	7.58
	11:17	0	24.7	98.2	6715	632	18.1	7.69	6199	428	3.8	7.59	201	18.4	7.46
	11:32	0	23.4	96.5	7489	444	18	7.75	5732	419	5.4	7.51	584	13.4	7.46
	11:47	0	23.5	94.2	6282	411	17.1	7.87	6677	445	3.7	7.66	0	0	0
	12:02	805	38.2	97.1	7785	423	17.4	7.9	5013	394	4.9	7.67	864	11.6	7.66

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:17	826	29	98.3	6254	411	19.7	7.59	6673	444	3.3	7.59	0	0	0
	12:32	810	43.5	96.4	7173	622	20.6	7.8	5709	410	4	7.56	393	15.6	7.59
	12:47	278	31.7	97.9	6951	411	20.9	7.89	6106	429	5.7	7.69	380	13	7.54
	13:02	0	26.4	97.6	6281	575	21.4	7.44	6682	444	2.9	7.36	0	0	0
	13:17	0	57	90.8	7863	420	20.5	7.26	5102	388	4.1	7.19	777	13.7	7.18
	13:32	806	29.1	97.7	6196	435	19.6	7.33	6635	441	2.4	7.21	0	0	0
	13:47	794	33	97.5	7725	449	20.8	7.6	5297	387	3.8	7.35	495	14.7	7.45
	14:17	792	29.1	98.1	4619	0	21	7.17	4717	461	2.5	7.36	143	2.5	7.15
	14:32	808	34.3	97.7	6991	429	21	7.13	4227	384	3.6	7.01	813	12	7.02
	14:47	798	30.3	98.2	6349	417	20.8	7.69	6524	441	4.3	7.33	145	11.6	7.07
	15:02	0	30.3	98.2	6612	429	20.8	7.77	6170	419	3.9	7.64	95	17.7	7.26
	15:17	0	32.9	97.9	7421	409	21	7.33	5528	407	4.1	7.18	613	13.5	7.16
	15:32	813	30.3	98.1	6208	422	21.9	7.63	6568	438	3.3	7.43	0	0	0
	15:47	0	34.3	97.8	7777	427	21.6	7.66	4941	383	4.6	7.48	904	14.3	7.48
	16:02	803	33	97.8	6193	393	22	8.21	6540	437	5	7.74	0	0	0
	16:17	783	32.9	98	7108	621	22	7.64	5453	404	4.1	7.65	578	14.9	7.35
	16:32	0	30.3	98.7	6819	422	22	7.46	6007	418	4.6	7.32	320	13.3	7.28
	16:47	815	30.3	98.8	6089	584	22	7.35	6513	435	3.2	7.23	0	0	0
	17:02	784	34.3	97.7	7726	394	22	7.29	4940	382	5.2	7.14	914	14.8	7.12
	17:17	0	34.3	97.8	6093	401	22	7.52	6514	434	3.8	7.29	0	0	0
	17:32	0	33	97.8	7584	430	22	7.66	4967	382	4.9	7.43	781	15.4	7.45
	17:47	812	32.9	97.6	6262	392	22.2	8.15	6309	434	6.3	7.71	282	13.6	7.49
	AVERAGES/TOTALS	783	30.2	97.02	243,024	451	19.5	7.58	208,323	421	4.2	7.41	13,015	13.4	7.33
	MAXIMUM	844	57.0	98.80	7,909	632	22.2	8.21	6,786	512	6.3	7.92	914	18.4	7.90
	MINIMUM	278	15.2	76.80	1,199	385	15.3	6.92	618	338	2.4	6.85	95	2.5	6.91
1/12/2022															
	7:32	0	47.3	82.6	2016	0	23.4	8.21	2131	426	7.4	8.33	0	5.1	8.26
	7:47	795	27.3	98.1	3485	581	20.9	7	3641	455	2.7	7.11	127	6.4	6.95

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:02	813	28.9	97.9	7486	414	20.7	7.05	4904	364	3.7	7.04	635	13.4	7.07
	8:17	810	27.7	98.5	5923	385	20.7	6.83	6373	424	2.7	6.82	0	0	0
	8:32	0	27.7	98.5	6041	633	20.7	6.79	6261	419	2.6	6.72	0	0	0
	8:47	836	30.3	98.1	7310	384	20.6	6.96	4752	385	4.6	6.86	865	11.8	6.83
	9:02	0	29	98.6	5919	403	20.7	7.17	6332	424	3.4	7	0	0	0
	9:17	0	31.7	98.4	7602	420	20.7	7.59	4839	371	5.4	7.34	792	15.2	7.43
	9:32	782	29.1	98.8	6091	394	20.6	8.01	6130	431	7.1	7.73	421	12.6	7.63
	9:47	812	29	98.7	6465	672	20.7	7.28	5697	401	5.4	7.38	298	15.9	7.23
	10:02	0	30.3	98.7	7143	376	20.8	7.46	5377	393	5.8	7.34	621	13.3	7.37
	10:17	824	30.3	98.5	5858	392	20.8	7.54	6283	418	4.5	7.38	0	0	0
	10:32	794	30.3	98.4	7731	389	20.8	7.73	4607	369	6.6	7.55	1071	14.7	7.57
	10:47	0	30.3	98.6	5858	405	20.8	7.91	6250	416	6.6	7.77	0	0	0
	11:02	794	34.3	97.8	6951	588	20.8	7.53	5082	379	4.1	7.5	575	14.6	7.46
	11:17	0	30.3	98.7	6436	392	20.8	7.46	5796	401	4.6	7.38	311	12.3	7.44
	11:32	798	30.3	98.8	5776	572	21.4	7.56	6195	413	3.6	7.39	0	0	0
	11:47	0	29.1	98.5	2648	0	21.8	7.69	1131	310	5.3	7.49	286	11.5	7.52
	12:32	0	31.7	92.9	1199	398	22.1	7.59	883	512	5.7	7.41	403	15.6	7.29
	12:47	0	30.4	97.9	5722	376	20.8	7.74	6079	406	3.3	7.57	0	0	0
	13:02	824	30.4	98.3	5660	375	20.8	8.14	6080	405	4.2	7.75	0	0	0
	13:17	0	30.4	98.5	5697	381	20.9	7.77	6087	406	3.1	7.76	0	0	0
	13:32	0	33	98.3	7475	379	20.8	7.41	4899	354	3	7.34	436	13	7.35
	13:47	811	31.7	98.3	5695	374	20.9	7.46	6026	404	2.5	7.31	0	0	0
	14:02	0	29.1	98.6	5652	368	21.8	7.63	6053	403	2.6	7.44	0	0	0
	14:17	72	29.1	98.6	5627	384	22.1	7.85	6016	401	3.2	7.61	0	0	0
	14:32	816	27.8	98.3	5648	388	21.8	7.76	6019	401	3.1	7.71	0	0	0
	14:47	801	27.7	98.4	5637	369	20.8	7.32	5968	399	1.1	7.24	0	0	0
	15:02	0	29.1	98.5	5590	355	20.8	7.38	5966	395	1.1	7.22	0	0	0
	15:17	795	27.7	98.7	5539	545	20.8	7.51	5911	395	1.4	7.31	0	0	0
	15:32	801	30.4	98.6	7485	377	20.8	7.65	4634	351	4.5	7.47	777	14.8	7.45

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:47	0	29.1	98.8	5612	364	20.8	8.05	5994	400	4.8	7.71	0	0	0
	16:02	0	27.8	98.7	5628	566	20.8	7.47	5978	398	2.4	7.49	0	0	0
	16:17	0	33.1	98.3	7486	380	20.8	7.56	4585	348	4.1	7.42	751	14.2	7.42
	16:32	791	30.4	98.3	5567	385	20.8	7.72	5927	395	3.6	7.53	0	0	0
	16:47	832	29.1	98.6	5564	351	20.8	7.75	5905	393	3.3	7.58	0	0	0
	17:02	788	29.1	98.6	5518	377	21.6	8.11	5892	393	4.2	7.75	0	0	0
	17:17	814	31.7	98.4	7412	364	20.9	7.67	4551	345	4.4	7.67	636	14.3	7.58
	17:32	0	30.4	98.6	5526	346	20.8	7.53	5865	392	2.7	7.4	0	0	0
	17:47	0	29	98.5	5443	364	21	7.63	5846	389	2.8	7.42	0	0	0
	18:02	0	29.1	98.8	5471	365	21.7	7.98	5840	389	3.7	7.64	0	0	0
	18:17	0	29.1	98.8	5466	362	21.9	8.3	5795	387	4.6	7.89	0	0	0
	18:32	0	28	98.8	5370	360	22	7.94	5744	384	3.5	7.93	0	0	0
	18:47	0	26.4	98.8	6820	424	21.4	7.76	4767	344	3.9	7.78	479	16.3	7.67
	19:02	0	94.2	92	5823	344	20.8	7.32	5306	386	3.5	7.28	447	9.5	7.44
	19:17	0	103.4	87.5	5348	360	20.7	7.17	5713	382	2.1	7.08	0	0	0
AVERAGES/TOTALS		772	33.1	97.64	267,419	413	21.1	7.59	246,110	395	3.9	7.45	9,931	12.9	7.42
MAXIMUM		836	103.4	98.80	7,731	672	23.4	8.30	6,373	512	7.4	8.33	1,071	16.3	8.26
MINIMUM		72	26.4	82.60	1,199	344	20.6	6.79	883	310	1.1	6.72	127	5.1	6.83
1/13/2022															
	8:17	819	23.1	96.8	3118	0	20.3	7.12	3345	380	1.9	7	0	1.8	6.99
	8:32	809	23.2	97.9	1064	352	18.5	6.85	958	490	3.2	6.8	180	3.6	6.72
	8:47	0	20.7	97.7	5178	334	18	6.87	5576	370	2	6.82	0	0	0
	9:02	822	23.4	98.1	5157	345	18	7.05	5488	366	2.2	6.9	0	0	0
	9:17	0	22	97.9	5164	536	18.1	7.45	5538	370	3.1	7.2	0	0	0
	9:32	797	30.3	97.3	7221	377	17.8	7.59	4205	334	5.4	7.45	1006	17.1	7.45
	9:47	0	24.7	96.7	5330	336	18.1	7.72	5590	372	6	7.56	0	0	0
	10:02	0	24.7	98.1	6118	567	18.5	7.6	4943	346	4.9	7.43	296	18.3	7.54
	10:17	820	23.4	97.8	6511	350	18.1	7.77	4703	363	6.9	7.69	883	14.9	7.63

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:32	843	24.7	98	5233	349	18.3	7.74	5519	367	5.5	7.67	0	0	0
	10:47	0	22.1	97.2	7147	371	18.8	7.84	4161	323	7.4	7.71	793	15.6	7.63
	11:02	846	23.4	98.1	5324	361	18.1	7.51	5455	370	5.7	7.41	134	11.6	7.3
	11:17	0	24.7	97.7	5169	344	18.1	8.02	5440	363	7.2	7.71	0	0	0
	11:32	0	26.4	93.6	5662	411	18.1	7.51	5051	343	5.6	7.7	93	17.5	7.36
	11:47	811	26.4	97	6732	334	18.1	7.24	4605	342	6.2	7.17	666	14	7.21
	12:02	0	23.5	97.4	5117	345	18.1	7.96	5414	360	7.2	7.55	0	0	0
	12:17	0	20.9	95.5	5107	325	18.1	7.61	5365	358	5.9	7.79	0	0	0
	12:32	811	23.5	97.9	5066	492	18.1	7.32	5356	356	4.1	7.33	0	0	0
	12:47	784	27.8	97.2	7070	323	18.2	7.43	4089	317	6.6	7.31	847	14.4	7.27
	13:02	830	26.4	97.7	5008	335	19.3	7.98	5298	353	8.1	7.71	0	0	0
	13:17	0	26.4	97.8	5009	347	19.4	7.57	5317	354	5.9	7.72	0	0	0
	13:32	0	47.6	87.9	5055	339	19.4	7.56	5314	353	5.3	7.6	0	0	0
	13:47	0	51.5	86.2	6209	517	19.4	7.26	4544	323	4.7	7.32	388	15.5	7.14
	14:02	0	48.9	83.6	5772	333	18.5	7.15	4784	342	5.6	7.05	466	12.7	7.02
	14:17	837	26.4	98	4958	330	18.8	7.41	5215	348	4.9	7.2	0	0	0
	14:32	828	25.1	98.1	4999	334	19.4	8.36	5243	349	8.1	7.77	0	0	0
	14:47	0	22.2	96.5	6666	481	19.4	8.32	4030	313	8.3	8.22	675	15.3	8.04
	15:02	0	27.8	89.2	5262	336	19.1	7.47	5067	346	6.2	7.48	273	12.4	7.54
	15:17	0	26.4	86.2	4880	329	19.3	7.54	5209	346	5.1	7.49	0	0	0
	15:32	793	25.2	98.3	4861	325	19.4	7.69	5175	343	5.5	7.55	0	0	0
	15:47	0	25.2	98.3	4936	312	19.4	8.21	5181	346	7.8	7.9	0	0	0
	16:02	0	22.2	96.8	6204	554	19.4	7.26	4309	321	5.6	7.62	564	15.2	7.07
	16:17	0	22.6	93.6	5793	330	18.6	7.04	4813	337	5.6	6.96	392	12.9	6.93
	16:32	819	26.4	98.5	4948	511	18.6	7.19	5180	346	4.5	7.07	0	0	0
	16:47	806	27.8	98.3	7004	324	19.4	7.25	3915	308	6.7	7.13	1010	14.7	7.12
	17:02	0	26.4	98.1	4839	327	20.3	7.64	5189	345	7	7.43	0	0	0
	17:17	0	37	92.4	6831	339	20.2	7.78	4020	304	8.4	7.68	677	15.3	7.67
	17:32	0	35.7	86.8	5037	337	19.4	7.45	5060	347	6.3	7.39	283	12.7	7.36

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:47	813	25.1	97.4	5436	502	19.4	7.4	4723	325	5.2	7.39	193	17.9	7.29
	18:02	828	29.1	97.5	6338	317	20	7.51	4251	319	7.8	7.3	731	13.1	7.21
	18:17	765	27.7	97.6	4824	328	21.6	8.48	5092	339	9.4	7.99	0	0	0
	18:32	0	23.5	96.3	7051	311	21.2	7.89	3898	307	8.7	7.97	1061	13.8	7.88
	18:47	0	22.2	93.7	4811	327	20.8	7.33	5072	338	6.3	7.29	0	0	0
	19:02	829	26.4	97.5	6055	532	20.8	7.2	4218	311	5.9	7.18	527	14.6	7.09
	19:17	841	30.4	97	5619	321	20.8	7.17	4614	323	6.9	7.08	379	12.3	7.05
	19:32	0	24.7	97	4803	328	22	7.16	5043	336	5.8	7.09	0	0	0
AVERAGES/TOTALS		817	27.1	95.74	251,696	375	19.1	7.53	220,575	346	5.9	7.43	12,517	13.6	7.31
MAXIMUM		846	51.5	98.50	7,221	567	22.0	8.48	5,590	490	9.4	8.22	1,061	18.3	8.04
MINIMUM		765	20.7	83.60	1,064	311	17.8	6.85	958	304	1.9	6.80	93	1.8	6.72
1/14/2022															
	8:02	0	13.7	74	2314	0	22	7.1	2420	335	5.3	7.03	0	5.1	7.01
	8:17	0	25.8	90.9	3388	304	18.5	6.84	3491	360	5	6.82	138	5.7	6.52
	8:32	0	24.6	87.7	4559	280	18	7.05	4855	324	4.1	6.98	0	0	0
	8:47	842	20.7	98	4490	298	18.2	7.1	4851	323	4.2	7.01	0	0	0
	9:02	806	20.7	98.1	5858	549	19.4	7.12	3998	296	5	7.03	575	15.9	7.03
	9:17	0	23.4	98.1	5495	317	18.1	7.35	4461	326	7.7	7.18	596	13.7	7.04
	9:32	0	22.1	95	5816	595	13.9	7.79	4072	300	9	7.62	577	15.8	7.63
	9:47	0	19.4	92	5451	311	12.7	7.49	4511	315	4.2	7.43	192	13.4	7.42
	10:02	796	22.1	97.9	4532	538	15	7.72	4747	318	4.2	7.64	0	0	0
	10:17	0	23.4	97.7	6641	292	15.4	7.77	3769	285	5.9	7.71	759	13.8	7.72
	10:32	0	24.7	94.2	4533	305	15.4	8.08	4720	315	6.5	7.92	0	0	0
	10:47	0	32.9	87	6276	333	14.8	7.73	3747	273	5.2	7.95	484	13	7.81
	11:02	811	24.7	97.2	4654	285	14.1	7.35	4583	312	2.6	7.34	126	11.5	7.42
	11:17	800	23.4	97.5	4817	482	15.3	7.45	4389	290	2.1	7.35	0	0	0
	11:32	0	22.1	96.8	6031	280	15.5	7.36	3904	288	4.2	7.26	595	11.9	7.3
	11:47	0	30.3	89.9	4327	275	15.5	7.58	4591	305	3.1	7.47	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	820	24.7	97.2	6390	253	15.5	7.53	3744	269	3.9	7.5	465	12.2	7.48
	12:17	0	26.4	97.4	4326	299	16.1	8	4543	303	5.4	7.65	0	0	0
	12:32	0	20.9	95.9	4327	288	16.2	7.75	4549	303	4.1	7.92	0	0	0
	12:47	0	23.5	90	4299	283	15.6	7.51	4532	303	2.2	7.52	0	0	0
	13:02	0	22.6	85.3	4293	273	15.5	7.68	4506	301	2.3	7.57	0	0	0
	13:17	811	22.6	97.7	4241	275	16	7.85	4480	298	3.1	7.72	0	0	0
	13:32	821	22.2	97.9	6242	295	16.4	7.86	3514	260	4.5	7.8	480	13.5	7.8
	13:47	0	22.6	98.3	4392	277	15.5	7.59	4499	305	4.2	7.54	135	10.7	7.56
	14:02	0	23.8	91.4	4827	620	15.5	7.71	4094	282	4.4	7.71	195	15	7.73
	14:17	0	26.5	88.5	5800	285	15.2	7.62	3847	280	5.1	7.61	433	11.7	7.63
	14:32	0	26.5	85.1	4154	272	14.8	7.77	4403	293	4.4	7.75	0	0	0
	14:47	0	25.2	83.2	4155	268	14.5	7.73	4391	292	3.1	7.78	0	0	0
	15:02	816	20.9	98.1	5674	443	14.8	7.7	3571	261	3.2	7.73	400	12.4	7.71
	15:17	0	23.8	93.3	6988	456	14.4	7.46	2060	344	4.1	7.56	4826	3	7.48
	15:32	812	20.9	98.3	6821	400	13.7	7.1	7354	489	1.9	7.04	0	0	0
	15:47	0	17	81.5	4152	472	12.2	6.96	4343	485	1.6	6.87	130	1.6	6.84
	16:02	817	20.9	97.4	7878	468	11.5	6.99	5873	423	3	6.88	422	10.7	6.88
	16:17	801	22.2	97.8	6928	476	11.9	7.01	7455	493	2.7	6.89	0	0	0
	16:32	793	23.8	97.1	7426	619	12.9	7.22	6560	461	3.3	7.08	293	13.7	7.2
	16:47	0	19.5	91.3	7431	438	13.6	7.55	6516	465	5.6	7.47	427	12.1	7.31
	17:02	0	44.9	87.4	6858	580	14.2	7.79	7361	492	5.3	7.76	0	0	0
	17:17	785	22.2	97.3	7852	481	14.2	7.94	5483	424	6.1	7.97	818	12.7	7.96
	17:32	797	22.1	97.5	6879	465	14.2	7.63	7360	491	3.6	7.83	0	0	0
	17:47	0	26.4	97	7798	477	14.6	7.21	6166	434	2.8	7.2	286	10.6	7.09
	18:02	0	42.2	90.9	7070	462	15.5	7.46	7083	481	3.5	7.33	137	11.2	7.2
	18:17	824	24.7	96.8	6987	576	15.5	7.74	7129	474	3.6	7.61	0	0	0
	18:32	807	26.4	96.7	7714	473	15.5	7.92	5904	435	5.1	7.83	528	12.7	7.76
	18:47	798	24.7	96.9	6828	447	16.6	7.67	7322	489	3.6	7.74	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		809	24.2	93.53	247,912	392	15.3	7.52	215,751	354	4.2	7.47	14,017	11.3	7.38
MAXIMUM		842	44.9	98.30	7,878	620	22.0	8.08	7,455	493	9.0	7.97	4,826	15.9	7.96
MINIMUM		785	13.7	74.00	2,314	253	11.5	6.84	2,060	260	1.6	6.82	126	1.6	6.52
1/15/2022															
	8:17	831	19.2	96.5	6390	426	16.3	7.64	5397	458	5.7	7.56	549	11.2	7.78
	8:32	798	19.3	97.5	6628	441	15.1	7.84	7283	484	4.5	7.88	0	0	0
	8:47	0	19.3	97.1	6658	445	15.1	7.43	7321	488	3.5	7.62	0	0	0
	9:02	0	26	89.4	6654	455	14.9	7.21	7295	487	4.2	7.21	0	0	0
	9:17	0	26	85	7301	577	14.1	7.18	6142	445	4.4	7.13	481	15.7	7.11
	9:32	805	22.1	97	7183	468	14.1	7.2	6599	467	5.6	7.12	442	13.6	7.1
	9:47	831	19.5	97.2	6696	574	21.7	7.4	7320	488	5.1	7.32	0	0	0
	10:02	820	24.7	96.5	7914	464	17.9	7.68	5346	428	6.6	7.64	1043	15	7.6
	10:17	789	20.8	97	6831	442	15.6	7.76	7399	491	5.8	7.84	0	0	0
	10:32	0	20.8	97.4	7783	482	15.5	7.63	5633	432	5.8	7.73	773	14.9	7.69
	10:47	0	23.4	92.2	6842	459	15.5	7.7	7155	491	6.2	7.77	263	13	7.7
	11:02	0	34.3	87.2	7055	497	15.6	7.83	6914	468	6	7.91	99	19.5	8
	11:17	839	25.1	96.9	7632	435	16.3	7.95	5610	449	7.1	8.06	1064	14.6	8.02
	11:32	824	22.1	97.1	6772	496	16.7	7.76	7322	489	5.6	7.99	0	0	0
	11:47	808	23.5	96.7	7892	466	15.9	7.33	5544	425	5.3	7.46	845	13.4	7.37
	12:02	0	26.4	96.8	6800	435	15.5	7.09	7384	492	4.3	7.09	0	0	0
	12:17	0	76.8	93.5	7563	610	16	7.25	6237	455	4.7	7.17	483	14.8	7.3
	12:32	0	82.1	86	7250	506	16.8	7.46	6553	467	6	7.46	463	13.5	7.38
	12:47	792	20.9	97.2	6760	561	16.8	7.63	7333	490	5.5	7.68	0	0	0
	13:02	811	23.8	97	7929	461	16	7.8	5355	425	6.7	7.91	1059	14.2	7.89
	13:17	811	22.2	97	6771	459	15.5	7.67	7333	489	5.4	7.88	0	0	0
	13:32	0	33.1	94.1	7858	459	15.7	7.49	5831	429	5.3	7.56	590	13.9	7.56
	13:47	0	35.7	87.5	6871	447	16.1	7.51	7081	486	5.4	7.59	257	12.7	7.56
	14:02	809	19.6	97.1	7089	471	16.5	7.61	6875	465	5.2	7.71	95	16.9	7.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:17	0	23.8	95.3	5135	0	16	7.75	3167	415	6.8	7.87	881	13.7	7.85
	14:32	816	23.8	96.6	3287	442	17.2	7.79	3491	498	6.2	7.95	134	7.5	7.86
	14:47	856	25.1	96.4	6772	504	16.8	7.86	7221	483	5.7	8.02	0	0	0
	15:02	0	23.5	96.3	7860	475	16.7	7.65	5587	422	5.9	7.84	760	14.2	7.9
	15:17	0	26.4	90.1	6766	434	16.8	7.29	7272	484	4.1	7.37	0	0	0
	15:32	0	30.4	84.6	7567	474	16.8	7.2	5930	431	4.4	7.2	488	13.3	7.18
	15:47	815	22.2	96.7	7009	464	16.8	7.39	6828	472	5.6	7.36	271	12.6	7.23
	16:02	812	23.5	96.4	6931	601	16.8	7.39	7037	470	4.4	7.44	0	0	0
	16:17	838	23.5	96.7	7696	410	16.2	7.49	5786	437	6.1	7.53	754	13.6	7.48
	16:32	0	22.2	96.2	6810	438	15.7	7.61	7267	485	5.5	7.66	0	0	0
	16:47	0	20.9	93.8	7945	469	16.7	7.89	5418	419	6.4	7.97	869	14.1	8.03
	17:02	822	20.9	96.9	6764	459	16.8	7.96	7221	482	6.5	8.09	0	0	0
	17:17	792	29.1	96.1	7828	476	16.6	7.93	5432	421	6.5	8.14	897	14.2	8.22
	17:32	794	20.8	97	6397	471	15.5	7.14	6900	483	4.2	7.22	0	4.1	7.1
	17:47	799	20.8	96.8	7202	572	16.9	7.17	6075	450	4.5	7.12	387	12.2	7.15
	18:02	0	22.1	96.5	7234	425	15.8	7.26	6527	460	5.5	7.21	368	12.2	7.18
	18:17	0	46.2	90.7	6713	585	15.5	7.51	7212	482	5.6	7.49	0	0	0
	18:32	796	27.7	94.6	7911	469	15.6	7.75	5527	417	7	7.81	743	14.4	7.79
	18:47	827	20.8	96.9	6748	473	15.5	7.93	7177	477	6.8	8.08	0	0	0
	19:02	792	23.4	96.6	7843	432	15.3	7.72	5783	422	6.2	8.01	486	14.1	7.87
	19:17	0	20.9	96.9	6852	420	14.2	7.29	6930	478	4.9	7.41	265	12.6	7.68
	19:32	0	23.5	89.6	6975	586	14.2	7.09	6878	460	4.3	7.08	0	0	0
	AVERAGES/TOTALS	813	26.7	94.67	323,367	480	16.1	7.55	294,928	462	5.5	7.61	15,809	13.4	7.60
	MAXIMUM	856	82.1	97.50	7,945	610	21.7	7.96	7,399	498	7.1	8.14	1,064	19.5	8.22
	MINIMUM	789	19.2	84.60	3,287	410	14.1	7.09	3,167	415	3.5	7.08	95	4.1	7.10
1/16/2022															
	8:17	819	16.5	95	1655	431	13	6.65	1548	512	4.8	6.66	254	4.6	6.49
	8:32	798	16.6	95.9	6561	458	12.8	7.05	7089	475	4.3	7.1	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:47	0	16.7	96.1	6679	427	12.2	7.08	7200	479	4	7.06	0	0	0
	9:02	0	18.1	88	6592	451	11.5	7.18	7182	479	4.1	7.15	0	0	0
	9:17	833	18.1	96.2	7628	472	11.7	7.28	5484	421	5.1	7.26	733	15.5	7.28
	9:32	826	19.5	96.3	6757	423	11.6	7.36	6717	472	6	7.39	397	10.8	7.3
	9:47	808	18.1	96.2	6800	518	11.5	7.54	6795	453	5.9	7.61	0	0	0
	10:02	0	22.1	96.2	7527	434	11.5	7.85	5655	438	7.5	7.99	841	14.6	7.86
	10:17	0	26.4	92.3	6602	398	12.2	7.63	7161	475	6.2	7.81	0	0	0
	10:32	0	25.1	85.5	7776	433	12.9	7.8	5292	414	7.2	7.91	950	14.6	7.98
	10:47	841	18.1	96.3	6846	557	12.9	8.15	6314	469	7.5	8.34	549	7.8	8.52
	11:02	796	26.4	95.7	7696	463	12.3	7.6	5419	436	5.7	7.74	1022	12.4	8.36
	11:17	830	19.5	96	6578	454	12.5	6.75	7152	475	4.2	6.71	0	0	0
	11:32	815	27.7	94.4	7724	460	12.9	6.8	5403	412	5.2	6.69	745	13.1	6.72
	11:47	0	22.1	93	6712	407	13.2	6.99	7147	474	4.8	6.88	0	0	0
	12:02	0	29.1	86.4	7160	587	14.1	7.2	6387	439	5.3	7.11	196	14.9	7.2
	12:17	805	20.9	95.3	7203	442	14.1	7.34	6102	446	6.5	7.31	557	13.1	7.24
	12:32	815	20.9	95.9	6534	569	14.1	7.45	7055	471	5.6	7.46	0	0	0
	12:47	825	27.7	95.1	7668	438	14.1	7.55	5414	410	6.7	7.58	752	13.7	7.57
	13:02	796	20.9	95.6	6629	445	14.1	7.64	7084	472	6.2	7.71	0	0	0
	13:17	0	20.9	94.6	7545	520	15.4	7.77	5838	423	6.5	7.84	472	14.2	7.9
	13:32	0	19.6	87.3	6867	463	15.5	7.92	6685	462	7	8.06	270	13	7.99
	13:47	830	20.9	95.7	6771	560	15.5	7.94	6799	454	6.6	8.11	0	0	0
	14:02	805	27.7	95.6	7566	453	14.9	7.79	5624	426	6.5	7.97	753	14.1	8.1
	14:17	812	20.9	95.6	6628	433	14.6	6.89	7067	472	4.1	6.89	0	0	0
	14:32	795	22.2	95.3	7715	453	15.5	6.71	5426	409	5.3	6.6	755	12.6	6.6
	14:47	0	26.4	92.4	6570	413	15.5	6.76	7075	473	5	6.64	0	0	0
	15:02	0	23.5	83.5	7087	578	15.5	6.97	6393	439	5.6	6.87	202	16	6.95
	15:17	0	16.9	83	7181	454	9.2	7.11	6133	444	4.7	7.04	569	13.2	6.98
	15:32	818	14.3	94	4582	418	14.6	7.22	4728	475	3.9	7.18	123	6.4	7.19
	15:47	815	18.3	94.3	7777	438	14.2	7.28	5460	407	5.7	7.27	551	10.4	7.26

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:02	771	18.3	94	6545	402	14.2	7.28	6945	471	5.3	7.26	136	11	7.25
	16:17	0	15.6	94.6	6871	573	15.8	7.36	6376	447	5.1	7.34	319	10.3	7.47
	16:32	0	14.3	94.6	7391	456	16.8	7.57	5745	430	7.1	7.64	629	10.6	7.56
	16:47	824	15.6	94.4	6505	422	16.8	7.74	6934	463	6.5	7.86	0	0	0
	17:02	816	23.5	94.4	7849	440	16.6	7.9	5102	405	7.1	8.06	973	10.5	8.08
	17:17	824	15.6	94.5	6543	404	15.6	7.69	6998	464	5.5	7.9	0	0	0
	17:32	825	12.9	94.5	7217	589	15.6	7.23	5793	425	4.3	7.24	504	10.6	7.11
	17:47	0	15.6	94.8	6986	448	15.5	7.08	6458	446	4.5	6.98	227	10.3	7.04
	18:02	0	14.2	94.8	6471	539	15.5	7.15	6906	462	4.1	7.06	0	0	0
	18:17	812	19.5	94.2	7727	431	15.3	7.25	5026	400	6	7.21	955	10.5	7.19
	18:32	829	15.5	94.4	6502	433	14.2	7.34	6874	460	4.8	7.32	0	0	0
	18:47	820	15.6	94.4	7620	443	15.5	7.47	5220	399	5.9	7.46	690	10.6	7.5
	19:02	0	14.2	94.5	6520	434	15.4	7.64	6863	463	6.3	7.7	137	10.5	7.59
	19:17	0	14.2	94.5	6842	557	15.3	7.79	6235	439	6.2	7.86	315	10.8	7.96
	19:32	844	11.6	94.8	7308	419	15.2	7.95	5663	419	7.3	8.06	622	10.4	8
	AVERAGES/TOTALS	816	19.5	93.70	316,513	466	14.1	7.38	283,966	448	5.6	7.41	16,198	11.7	7.47
	MAXIMUM	844	29.1	96.30	7,849	589	16.8	8.15	7,200	512	7.5	8.34	1,022	16.0	8.52
	MINIMUM	771	11.6	83.00	1,655	398	9.2	6.65	1,548	399	3.9	6.60	123	4.6	6.49
1/17/2022															
	8:02	0	0	85	3422	0	14.2	8.06	3635	454	6.8	8.17	0	6.7	8.21
	8:32	821	10.2	94.7	1762	417	40.3	7.25	1746	499	6.7	7.1	133	9.9	7.06
	8:47	0	10.2	95.2	7349	435	11.5	7.49	5399	394	6.5	7.5	485	14.8	7.64
	9:02	0	22.1	93.2	6502	434	10.4	7.64	6658	459	6.6	7.71	269	13	7.69
	9:17	811	11.6	94.9	6666	477	10.2	7.75	6442	435	6.4	7.78	99	16.8	7.83
	9:32	815	12.8	95.1	7319	424	10.2	7.85	5735	426	7.6	7.88	646	13.9	7.85
	9:47	0	11.6	95.4	6396	441	10.3	7.85	6842	457	6.7	7.95	0	0	0
	10:02	0	11.5	86.1	7624	413	11.2	7.22	5284	399	6.2	7.29	747	12.8	7.25
	10:17	0	11.5	82.4	6390	438	11.2	7.22	6893	457	5.6	7.19	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:32	803	11.6	95.1	7132	567	11.5	7.29	5852	419	4.8	7.21	389	14.4	7.28
	10:47	806	15.5	95	6874	438	11	7.52	6286	439	6.3	7.46	358	12.6	7.39
	11:02	798	12.9	95.2	6333	565	11.4	7.77	6851	455	6.5	7.68	0	0	0
	11:17	0	12.9	90.2	7584	416	11.5	7.99	5145	402	8	7.95	951	13.6	7.94
	11:32	820	12.9	94.9	6385	404	11.5	7.78	6793	454	7.2	7.77	0	0	0
	11:47	843	19.5	94.9	7333	424	11.5	7.64	5311	387	6.7	7.74	455	13.3	7.65
	12:02	0	12.9	95.2	6077	378	11.5	7.24	6188	426	5.8	7.28	247	12.1	7.5
	12:17	0	12.9	88.6	6370	420	11.7	7.05	5990	407	5.3	6.99	89	13.4	7.02
	12:32	0	12.9	82.1	6994	399	12.1	7.14	5210	389	6.7	7.07	590	12.8	7.04
	12:47	825	14.2	94.8	5947	387	12.8	7.23	6303	421	5.7	7.14	0	0	0
	13:02	820	22.2	94.9	7345	414	12.9	7.36	4878	367	7	7.27	670	13.1	7.3
	13:17	0	15.6	95.5	5956	385	13	7.49	6329	422	6.7	7.44	0	0	0
	13:32	0	14.3	90.7	6795	578	14.2	7.71	5356	390	7.3	7.62	438	13.5	7.72
	13:47	0	14.2	82.4	6531	393	14.1	7.94	5721	401	8.3	7.89	331	12.2	7.81
	14:02	797	13	95.5	5954	529	14.1	7.59	6219	418	5.8	7.53	0	0	0
	14:17	802	19.5	95.6	7239	405	14.2	7.74	4818	364	6	7.7	684	12.6	7.73
	14:32	0	13	96	5923	432	14.2	7.44	6286	418	4.1	7.49	0	0	0
	14:47	0	13	85.5	7233	429	14.2	7.52	5029	364	5	7.46	442	13.2	7.52
	15:02	0	11.7	82.6	5936	397	14.2	7.77	6065	416	4.6	7.73	236	11.8	7.61
	15:17	810	13	95.4	6228	388	14.2	7.94	5818	395	3.7	7.9	86	13.4	7.97
	15:32	829	16.9	95.3	6887	398	14.2	7.83	5102	378	4.6	7.87	590	12.6	7.94
	15:47	795	12.9	95.4	5901	359	14.2	7.38	6244	417	3	7.47	0	0	0
	16:02	828	18.2	95.2	6964	409	14.2	7.24	4902	362	4.4	7.18	592	11.6	7.17
	16:17	0	18.2	92.2	5922	396	14.9	7.42	6157	425	3	7.32	124	2.8	7.42
	16:32	0	16.9	83.9	6433	526	15.2	7.61	5384	384	3.2	7.51	349	11.8	7.57
	16:47	0	16.9	83.2	6431	371	14.1	7.77	5709	395	3.7	7.68	226	10.9	7.62
	17:02	816	11.6	95.3	5978	505	14.1	7.89	6373	425	2.4	7.81	0	0	0
	17:17	844	16.9	95.1	6901	412	14.1	8	4789	357	3.8	7.91	586	11.3	7.9
	17:32	0	12.9	95.5	6134	404	14.9	7.57	6390	428	2.4	7.6	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:47	0	11.6	94.9	6832	374	15.5	7.32	4954	363	3.3	7.27	456	11.8	7.29
	18:02	0	11.6	94	6081	367	15.5	7.26	6286	424	2.8	7.22	135	10	7.24
	18:17	822	16.9	94.8	6204	437	15.5	7.27	6068	403	2.3	7.22	0	0	0
	18:32	782	16.9	94.9	6726	413	15.5	7.32	5084	380	3.9	7.27	586	12.2	7.25
	18:47	788	11.6	95.1	6121	387	15.5	7.31	6477	431	2.1	7.27	0	0	0
	19:02	0	16.9	94.9	7137	404	15.6	7.45	5010	371	3.9	7.37	612	12.9	7.39
	19:17	0	15.6	94.3	6091	401	16.5	7.7	6321	438	2.6	7.63	141	3	7.57
	19:32	0	15.6	93.7	6561	570	15.5	7.89	5335	396	2.8	7.81	514	13.4	7.88
AVERAGES/TOTALS		813	14.4	92.39	294,903	430	13.9	7.56	261,667	411	5.1	7.53	13,256	11.9	7.55
MAXIMUM		844	22.2	96.00	7,624	578	40.3	8.06	6,893	499	8.3	8.17	951	16.8	8.21
MINIMUM		782	10.2	82.10	1,762	359	10.2	7.05	1,746	357	2.1	6.99	86	2.8	7.02
1/18/2022															
	8:02	794	8.7	93.9	2307	501	15.5	8	1445	337	5.1	7.91	227	10.2	7.91
	8:17	816	22	94.8	5636	401	12.4	7.35	5809	438	2.6	7.36	247	3.4	7.18
	8:32	0	8.8	94.8	6154	524	10.1	7.53	5833	403	2.3	7.61	196	14.4	7.61
	8:47	0	10.2	93.9	5949	341	10.1	7.64	4548	316	3.5	7.64	233	11.4	7.62
	9:02	806	10.2	94.8	5049	313	10.2	7.8	5332	355	2.1	7.75	0	0	0
	9:17	803	16.8	94.6	6130	370	10	7.95	4089	291	3.6	7.87	247	12.6	7.86
	9:32	0	14.2	94.2	5395	362	10.1	7.32	5721	382	2.3	7.47	0	0	0
	9:47	0	14.2	90	5901	450	10.3	7.17	4629	325	2.9	7.16	161	12.2	7.11
	10:02	0	14.2	89	2774	0	11.2	7.15	2131	302	3.9	7.1	63	2.4	7.1
	10:17	814	8.9	94.8	1917	343	12.3	7.07	1917	386	2.3	7.08	99	2.6	7.03
	10:32	0	8.9	95.1	5133	337	11.5	7.32	5426	363	1.7	7.22	0	0	0
	10:47	0	8.9	94.1	6218	370	11.3	7.47	4044	292	3.7	7.4	327	12.9	7.4
	11:02	0	7.6	91.8	5131	339	10.2	7.63	5383	360	2	7.55	0	0	0
	11:17	793	11.6	94.6	5804	423	10.3	7.75	4409	306	2.5	7.67	114	12.5	7.7
	11:32	819	12.8	94.6	5571	339	10.2	7.89	5214	346	2.7	7.79	0	0	0
	11:47	0	11.6	95.2	5388	450	10.4	7.9	5763	382	2	7.9	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	0	12.8	92.5	6211	375	11.5	7.38	4227	290	3.5	7.44	82	11.2	7.58
	12:17	827	8.9	94.4	5446	345	11.5	7.21	5828	386	2.2	7.18	0	0	0
	12:32	820	10.2	94.6	6239	388	11.5	7.2	4260	290	3.3	7.12	61	12	7.11
	12:47	747	11.6	94.5	6849	381	11.5	7.36	4996	345	4.1	7.29	171	11.2	7.31
	13:02	760	10.2	94.5	6263	399	11.2	7.48	6784	452	2.6	7.43	0	0	0
	13:17	0	8.9	94.4	6819	581	11.5	7.68	6149	426	2.5	7.61	223	12.3	7.71
	13:32	0	8.9	89.1	7123	382	11.5	7.93	5931	416	3.5	7.84	284	10.8	7.75
	13:47	775	8.9	94.6	5280	411	11.9	7.96	5539	462	2.4	7.95	160	9.4	7.9
	14:02	768	10.2	94.6	7635	438	11	7.7	5436	385	3.7	7.76	294	11.5	7.74
	14:17	751	8.9	94.6	6418	436	10.2	7.42	6888	458	2.8	7.44	0	0	0
	14:32	0	9	94.8	6944	581	10.2	7.38	6288	428	2.6	7.34	96	11.3	7.39
	14:47	0	10.2	94.2	7106	459	10.2	7.58	5962	414	3.5	7.54	195	10.1	7.45
	15:02	760	8.9	94.6	6545	450	10.2	7.74	7047	471	2.1	7.7	0	0	0
	15:17	761	19.5	94	7676	434	10.2	7.89	5463	387	3.5	7.84	294	10.7	7.82
	15:32	0	12.8	94.6	6529	466	10.6	7.73	6998	465	2.6	7.78	0	0	0
	15:47	0	12.9	94.1	7449	586	11.5	7.3	5909	413	3.4	7.29	208	11.3	7.26
	16:02	754	16.8	93.9	6812	442	11.5	7.3	6577	444	3.4	7.26	110	9.2	7.25
	16:17	746	10.2	94.5	6538	634	11.5	7.42	6768	451	2.4	7.36	0	0	0
	16:32	0	12.9	94.5	7672	432	11.5	7.58	5670	409	3.8	7.55	449	11.5	7.49
	16:47	0	12.8	93.8	6539	444	11.5	7.77	6975	465	2.2	7.73	0	0	0
	17:02	755	10.2	94.3	7856	427	13	7.92	5713	403	3.5	7.88	370	11	7.9
	17:17	762	11.6	94.3	6444	413	11.5	7.88	6943	461	2.5	7.91	0	0	0
	17:32	767	9	94.6	7064	534	11.5	7.54	6356	431	2.7	7.6	125	11.1	7.48
	17:47	0	7.6	94.5	6895	432	11.5	7.34	5744	398	3.8	7.33	209	11.5	7.4
	18:02	763	22.1	94.4	6515	452	11.4	7.37	6863	457	2.5	7.34	0	0	0
	18:17	0	11.6	94.3	7697	404	10.3	7.45	5426	382	3.9	7.42	301	11.1	7.41
	18:32	764	10.2	94.1	6501	433	10.2	7.6	6880	457	2.5	7.57	0	0	0
	18:47	737	9	94.3	7343	535	10.2	7.73	5745	397	3	7.69	215	10.7	7.73
	19:02	0	10.3	94.5	6778	453	10.2	7.81	6728	446	3.1	7.78	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:17	769	7.6	94.3	6656	638	10.2	7.92	6836	456	2.4	7.89	0	0	0
	19:32	0	20.7	94.4	7614	429	9.3	7.67	5586	393	4.1	7.66	308	11.1	7.93
AVERAGES/TOTALS		777	11.6	94.02	291,913	436	11.0	7.58	260,208	394	3.0	7.55	6,069	10.5	7.52
MAXIMUM		827	22.1	95.20	7,856	638	15.5	8.00	7,047	471	5.1	7.95	449	14.4	7.93
MINIMUM		737	7.6	89.00	1,917	313	9.3	7.07	1,445	290	1.7	7.08	61	2.4	7.03
1/19/2022															
	8:17	760	8.6	92.5	5198	0	8.9	7.37	5456	464	2.6	7.37	0	2.6	7.22
	8:32	769	8.7	93.7	2255	400	15.1	6.78	2273	542	2.9	6.77	173	3.4	6.72
	8:47	0	7.5	93.2	7419	427	15.7	7.07	4993	406	4	7.04	908	7.8	7.11
	9:02	0	8.8	92.5	6265	458	14.5	7.19	6693	452	3.1	7.17	158	3.1	7.18
	9:17	791	8.9	93.9	6877	602	14.4	7.22	6045	416	3.2	7.21	243	11.5	7.22
	9:32	765	8.9	93.8	5522	431	12.7	7.27	5023	456	3.9	7.27	383	5.9	7.24
	9:47	756	3.7	93.9	6204	436	11.8	7.43	6690	448	2.7	7.42	0	0	0
	10:02	735	8.9	94	7774	406	11.1	7.67	5532	396	4	7.63	591	10.8	7.69
	10:17	0	9	94	6236	432	11.1	7.89	6741	450	3.4	7.86	0	0	0
	10:32	0	8.9	93.6	6874	557	10	7.97	6045	419	3.2	7.99	243	11.5	7.96
	10:47	0	8.9	93.2	7084	424	9	7.72	6095	422	4	7.8	354	10.9	7.87
	11:02	754	15.5	93.9	6080	388	9.3	7.67	6547	439	2.8	7.7	0	0	0
	11:17	790	10.2	93.9	7810	556	9	7.52	4995	383	4.5	7.57	831	9	7.52
	11:32	747	3.7	93.9	7428	411	8.9	7.35	3314	457	3.9	7.34	2678	5.8	7.39
	11:47	766	15.5	93.9	6114	630	8.9	7.39	6548	440	3	7.39	0	0	0
	12:02	0	9	94.1	8223	436	13.4	7.53	2788	420	3.8	7.57	3492	5.8	7.55
	12:17	0	3.7	93.8	6508	560	15.2	7.68	7052	468	3.1	7.73	0	0	0
	12:32	0	15.6	93.6	8622	404	11.7	7.81	3399	412	4	7.86	3410	5.4	7.88
	12:47	0	9	93.2	5918	408	11.7	7.9	6382	424	2.9	7.94	0	0	0
	13:02	776	9	93.9	7623	394	9.8	7.96	5338	365	4	7.99	116	10.9	7.98
	13:17	758	3.7	93.9	5845	386	13	7.65	6304	418	2.8	7.75	0	0	0
	13:32	750	10.3	93.9	7892	412	11	7.37	5780	390	4.3	7.4	88	11.7	7.4

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:47	759	9	93.9	6386	424	10.3	7.35	6895	460	2.9	7.37	0	0	0
	14:02	0	3.8	94.1	8017	420	9	7.44	5952	401	4.3	7.49	116	11.6	7.49
	14:17	0	10.4	93.8	6381	420	8.9	7.57	6926	459	3.1	7.62	0	0	0
	14:32	0	9	93.7	8272	429	8.9	7.62	3469	424	3.4	7.66	2915	5.2	7.67
	14:47	745	3.8	93.9	6177	406	8.9	7.64	6724	450	3.1	7.68	0	0	0
	15:02	767	10.4	93.9	8003	507	8.9	7.71	3325	404	2.8	7.72	2815	5	7.76
	15:17	771	9	93.9	6418	403	8.9	7.77	5945	449	3.1	7.81	991	4.5	7.78
	15:32	784	3.8	93.9	7880	559	8.3	7.87	3020	427	2.9	7.85	3172	4.9	7.91
	15:47	0	10.4	94	6653	433	8.7	7.95	5884	462	3.3	8.02	1173	4.5	7.97
	16:02	0	9	93.9	7806	565	7.7	7.51	3653	451	2.6	7.6	2692	4.8	7.5
	16:17	0	3.8	93.7	6891	379	7.6	7.48	5146	448	2.8	7.52	1935	4.2	7.49
	16:32	0	10.4	93.5	7314	678	7.6	7.49	4356	394	2.6	7.55	1959	5.4	7.46
	16:47	765	9	93.9	7268	440	7.6	7.27	4736	461	2.8	7.23	2450	4.3	7.38
	17:02	754	5.1	93.7	7456	706	7.6	7.15	5135	429	2.7	7.12	1440	5.8	7.12
	17:17	759	16.9	93.7	7206	435	7.6	7.18	5044	461	3.1	7.2	1706	4.3	7.14
	17:32	0	10.3	93.8	7087	626	7.6	7.31	6322	425	3.1	7.33	82	11.6	7.4
	17:47	0	3.7	93.7	7195	439	7.6	7.47	6264	421	3.8	7.51	0	0	0
	18:02	0	16.9	93.8	6802	577	7.6	7.61	6388	428	3.1	7.62	71	11.3	7.66
	18:17	764	3.7	93.5	7260	417	7.6	7.67	6117	409	3.8	7.69	0	0	0
	18:32	784	10.3	93.4	6555	575	7.6	7.76	6403	427	2.9	7.74	0	0	0
	18:47	759	9	93.5	7511	406	8.2	7.84	5851	406	4.4	7.87	228	11.3	7.8
	19:02	760	3.7	93.3	6509	636	8.9	7.08	6659	443	3.3	6.98	0	0	0
	19:17	0	13.7	93.4	7554	398	9.4	7.46	5906	400	4.6	7.46	99	11.5	7.35
	19:32	0	9	93.4	6186	648	9.7	7.56	6675	447	3.3	7.61	0	0	0
AVERAGES/TOTALS		764	8.7	93.69	316,558	477	9.9	7.53	252,828	432	3.3	7.54	37,512	7.3	7.51
MAXIMUM		791	16.9	94.10	8,622	706	15.7	7.97	7,052	542	4.6	8.02	3,492	11.7	7.98
MINIMUM		735	3.7	92.50	2,255	379	7.6	6.78	2,273	365	2.6	6.77	71	2.6	6.72

1/20/2022

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:17	0	94.3	86.3	5474	348	10.3	7.88	5977	399	4.4	7.93	0	0	0
	14:32	736	14.3	91.1	6943	351	10.3	7.93	4737	342	4.9	7.96	532	11.1	7.98
	14:47	736	11.6	91.5	5411	583	9.3	7.63	5865	395	4.3	7.69	0	0	0
	15:02	0	13	91.5	8643	535	11.2	7.11	4599	591	4.5	7.09	4952	4.8	7.17
	15:17	742	12.9	91.3	8223	642	15.6	7.04	8726	602	4.4	7.06	320	4.3	7.09
	15:32	730	20.9	90.9	9129	481	16	7.08	1858	461	5.6	7.16	5770	6.2	7.12
	15:47	0	19.5	90.9	6902	464	15.7	7.19	7664	508	4.5	7.27	0	0	0
	16:02	746	13	91.3	6926	627	14.9	7.3	7606	505	4.1	7.37	0	0	0
	16:17	735	12.9	91.1	8259	470	14.6	7.4	6229	446	5.3	7.46	397	11.5	7.44
	16:32	0	12.9	91.3	6954	633	9.9	7.52	7530	505	4.4	7.58	0	0	0
	16:47	721	14.2	91.1	8229	443	10.3	7.66	6308	441	5.4	7.74	297	11.4	7.72
	17:02	725	14.2	91.1	6972	504	10.3	7.78	7506	501	4.6	7.89	0	0	0
	17:17	0	18.3	91.1	8252	446	11.5	7.73	6235	443	5.6	7.83	388	11.2	7.92
	17:32	0	15.6	90.9	6949	477	11.5	7.22	7563	506	4.6	7.23	0	0	0
	17:47	728	19.5	90.6	8231	489	11.5	7.22	6212	442	5.5	7.27	382	11.5	7.27
	AVERAGES/TOTALS	733	20.5	90.80	111,497	500	12.2	7.45	94,615	472	4.8	7.50	13,038	9.0	7.46
	MAXIMUM	746	94.3	91.50	9,129	642	16.0	7.93	8,726	602	5.6	7.96	5,770	11.5	7.98
	MINIMUM	721	11.6	86.30	5,411	348	9.3	7.04	1,858	342	4.1	7.06	297	4.3	7.09
1/21/2022															
	8:47	751	16.6	89.5	1413	442	19.1	6.91	1445	526	5.5	6.85	134	6.4	6.86
	9:02	0	16.7	89.3	6719	465	17	7.01	7512	498	5.8	7.06	0	0	0
	9:17	0	16.7	88.8	6874	469	14.8	7.08	6090	495	7.1	7.08	1488	49.2	6.95
	9:32	0	16.7	88.5	5297	604	14.1	7.11	3500	482	2.7	7.2	2058	40.5	6.78
	9:47	0	16.7	88.7	7201	0	13.8	7.14	4844	442	5	7.24	1133	12.8	7.23
	AVERAGES/TOTALS	751	16.7	88.96	27,504	495	15.8	7.05	23,391	489	5.2	7.09	4,813	27.2	6.96
	MAXIMUM	751	16.7	89.50	7,201	604	19.1	7.14	7,512	526	7.1	7.24	2,058	49.2	7.23
	MINIMUM	751	16.6	88.50	1,413	442	13.8	6.91	1,445	442	2.7	6.85	134	6.4	6.78
1/26/2022															

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:02	0	12.7	76.5	832	459	10.4	6.6	0	0	0	0	927	6.8	6.67
	11:17	0	12.8	75.7	7296	0	8.1	6.78	0	0	0	0	8091	2.1	7.04
	11:32	0	11.5	75.3	129	0	7.5	6.94	0	0	0	0	132	2.2	7.11
	13:02	0	12.8	82.9	1768	481	30.7	6.91	0	0	0	0	1884	3.1	7.1
	13:17	0	12.8	83.3	7310	486	6.3	6.95	0	0	0	0	8107	1.6	7.11
	13:32	0	11.5	83.6	961	0	6.3	6.97	0	0	0	0	1093	1.6	7.12
AVERAGES/TOTALS			12.4	79.55	18,296	475	11.6	6.86					20,234	2.9	7.03
	MAXIMUM		12.8	83.60	7,310	486	30.7	6.97					8,107	6.8	7.12
	MINIMUM		11.5	75.30	129	459	6.3	6.60					132	1.6	6.67
1/31/2022															
	10:02	741	40.8	87.8	3788	560	11.8	7.18	4086	494	1.6	6.87	134	11.4	6.68
	10:17	0	51.3	87.5	7835	475	10.4	7.24	5586	416	4	7.08	726	13.4	7.06
	10:32	764	40.8	88.1	6519	471	14.6	7.48	7248	481	4.7	7.37	0	0	0
	10:47	768	46.1	88.4	7977	436	16.3	7.59	5430	430	7.2	7.46	1055	14.1	7.45
	11:02	0	42.2	88.7	6521	0	24.7	7.77	1585	490	6.1	7.53	5538	6.4	7.65
	13:02	0	40.9	82.4	642	459	34.7	7.56	478	519	5.8	7.55	133	11.1	7.63
	13:17	0	39.6	82.6	8264	495	25.5	7.97	2430	380	8.4	7.73	4424	9	7.82
	13:32	0	39.6	82.6	6637	460	23.6	8.09	5481	470	4.9	7.87	1784	5.5	7.88
	13:47	0	38.3	82.6	2658	0	22.2	8.08	2904	504	5.2	7.82	0	5.1	7.81
	14:47	738	43.6	89.7	4648	430	25.7	8.01	5013	515	4.7	7.68	141	6	7.84
	15:02	754	42.2	89.9	7606	624	26.3	7.9	5665	499	4.7	7.56	1629	15.6	7.53
	15:17	0	66.3	89.8	7649	394	27.8	7.92	6192	490	6.8	7.61	1116	14.6	7.59
	15:32	750	50.1	89.5	7355	636	29.3	7.97	5949	493	5.4	7.65	1227	14.8	7.66
	15:47	748	58.3	89.3	7779	457	32	8.02	5596	497	6.9	7.73	1692	13.6	7.71
	16:02	754	51.5	89.6	7211	504	34.2	7.9	6455	497	5.2	7.53	855	14.1	7.47
	16:17	0	50.1	89.4	7992	488	35.6	7.85	5119	497	6.8	7.51	2137	14.2	7.51
	16:32	0	48.8	87.7	6785	454	35.2	7.76	7526	500	4.9	7.42	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		752	46.5	87.39	107,866	490	25.3	7.78	82,743	481	5.5	7.53	22,591	11.3	7.55
MAXIMUM		768	66.3	89.90	8,264	636	35.6	8.09	7,526	519	8.4	7.87	5,538	15.6	7.88
MINIMUM		738	38.3	82.40	642	394	10.4	7.18	478	380	1.6	6.87	133	5.1	6.68

MONTHLY SUMMARY

AVERAGES/TOTALS	796	21.7	96.59	4,538,829	451	16.2	7.74	3,910,539	432	4.2	7.49	434,614	10.7	7.52
MAXIMUM	856	103.4	104.50	9,129	706	40.3	9.67	8,726	602	9.9	8.47	8,194	49.2	9.30
MINIMUM	56	3.7	73.20	129	81	0.7	6.25	135	245	0.1	6.59	47	0.8	6.36

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

FEBRUARY 2021

Downloaded: 3/15/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
2/2/2021													
9:31	0	6.7	5,701	994	136	6.62	1,800	607	3.7	6.99	2,474	32.3	7.12
9:46	0	6.8	11,367	670	46.3	6.62	11,118	736	1.3	6.77	0	0	0
10:01	0	7.1	10,009	680	74.2	6.62	11,594	772	0.5	6.81	0	0	0
10:16	34	7.2	11,176	995	74.2	6.65	10,272	688	0.5	6.93	0	0	0
10:31	275	7.3	11,586	658	71.3	6.74	10,707	710	0.6	7.05	0	0	0
10:46	109	7.6	9,972	670	67.3	6.82	11,576	772	0.4	7	0	0	0
11:01	67	7.8	10,822	995	68.2	6.85	10,572	708	0.4	7.02	0	0	0
11:16	26	7.9	11,894	662	64	6.88	10,456	691	0.6	7.07	0	0	0
11:31	38	8.3	9,987	670	63.7	6.91	11,555	771	0.4	7.08	0	0	0
11:46	13	8.5	10,496	995	60.9	6.93	10,867	729	0.4	7.09	0	0	0
12:01	0	7.9	12,239	682	60.2	6.94	10,112	673	0.5	7.12	0	0	0
12:16	0	6.8	9,972	680	49.7	6.94	11,505	767	0.4	7.14	0	0	0
12:31	774	6.1	10,133	995	38.6	6.94	11,104	744	0.3	7.18	0	0	0
12:46	781	5.9	12,526	668	47.6	6.96	9,679	641	0.5	7.21	0	0	0
13:01	790	6.2	9,909	648	58.7	6.97	11,473	766	0.4	7.2	0	0	0
13:16	776	6.4	9,842	995	59.5	6.97	11,351	758	0.4	7.2	0	0	0
13:31	794	6.2	12,763	658	58.9	6.96	9,367	625	0.5	7.22	0	0	0
13:46	785	6.5	9,930	672	57.8	6.98	11,480	766	0.4	7.22	0	0	0
14:01	778	6.8	9,795	995	59.7	6.99	11,359	757	0.3	7.23	0	0	0
14:16	800	6.6	12,704	679	58.9	6.99	9,360	625	0.5	7.25	0	0	0
14:31	798	6.8	9,925	659	58.1	7	11,462	767	0.4	7.25	0	0	0
14:46	802	7.1	9,813	655	59.5	7	11,367	757	0.3	7.26	0	0	0
15:01	790	6.8	12,693	670	57.5	7.01	9,373	624	0.5	7.28	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:16	783	7.2	9,951	653	58.7	7.03	11,559	768	0.4	7.28	0	0	0
	15:31	793	7.5	9,839	648	58.3	7.04	11,371	759	0.3	7.31	0	0	0
	15:46	784	7.3	12,659	668	59.6	7.05	9,388	626	0.5	7.34	0	0	0
	16:01	782	7.5	10,010	665	64.8	7.07	11,544	768	0.4	7.36	0	0	0
	16:16	782	7.8	9,852	651	69.2	7.11	11,400	758	0.4	7.41	0	0	0
	16:31	790	7.6	12,637	672	68.9	7.13	9,392	625	0.5	7.46	0	0	0
	16:46	790	7.9	10,021	674	68.2	7.16	11,494	768	0.4	7.5	0	0	0
	17:01	782	8.2	9,878	651	68	7.18	11,360	757	0.4	7.53	0	0	0
	17:16	786	8	12,606	659	69.6	7.21	9,334	621	0.6	7.58	0	0	0
	17:31	780	8.2	10,028	678	68.4	7.24	11,564	769	0.5	7.63	0	0	0
	17:46	781	8.5	9,900	641	70.6	7.28	11,431	762	0.4	7.68	0	0	0
	18:01	802	8.3	12,610	651	75.4	7.3	9,258	618	0.6	7.71	0	0	0
	18:16	0	8.5	10,027	995	71.8	7.32	11,576	772	0.5	7.73	0	0	0
	18:31	0	6.7	12,678	667	65.4	7.33	9,508	631	0.7	7.75	0	0	0
	18:46	778	6	9,976	650	51.4	7.33	11,505	767	0.5	7.73	0	0	0
	19:01	798	6.2	9,879	674	54.6	7.34	11,362	757	0.4	7.71	0	0	0
	19:16	788	6	12,643	650	76.2	7.38	9,427	626	0.7	7.82	0	0	0
	19:31	793	6.2	9,994	640	83.7	7.43	11,457	766	0.6	7.95	0	0	0
	19:46	792	6.5	9,911	653	83.1	7.46	11,405	761	0.6	7.98	0	0	0
	20:01	789	6.2	12,632	658	82.6	7.48	8,663	640	1.4	8.02	1,114	17.9	8.02
	20:16	788	6.5	9,958	659	83.7	7.51	11,520	767	0.8	8.04	0	0	0
	20:31	794	6.8	9,951	671	81.7	7.52	11,398	761	0.9	8.06	0	0	0
	20:46	787	6.6	12,616	683	82.3	7.55	8,590	647	1.9	8.09	1,318	24.6	8.1
	21:01	788	6.8	9,986	659	78.6	7.55	11,526	768	1	8.09	0	0	0
	21:16	771	7.1	9,935	647	79.9	7.57	11,386	759	1.1	8.09	0	0	0
	21:31	777	6.9	12,621	678	86.3	7.59	8,280	648	2.1	8.12	1,663	24.9	8.14
	21:46	790	7.1	10,014	676	83.8	7.6	11,471	767	1.4	8.14	0	0	0
	22:01	777	7.4	9,951	661	84.6	7.6	11,472	764	1.6	8.12	0	0	0
	22:16	777	7.2	12,620	653	82.8	7.62	8,155	651	2.6	8.15	1,842	29.1	8.16

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:31	784	7.4	10,046	656	79.9	7.63	11,550	770	1.8	8.18	0	0	0
	22:46	793	7.7	9,983	664	80.5	7.64	11,456	764	1.8	8.16	0	0	0
	23:01	799	7.5	12,369	670	79.9	7.65	8,329	670	2.8	8.18	1,862	29.7	8.2
	23:16	810	7.7	10,350	665	77.9	7.67	11,428	757	2.1	8.23	0	0	0
	23:31	785	7.9	10,004	661	75.2	7.69	11,455	765	2	8.25	0	0	0
	23:46	792	7.8	12,046	784	76.2	7.7	8,677	697	3.2	8.27	1,881	31.1	8.31
AVERAGES/TOTALS		690	7.17	625,435	711	69.5	7.19	610,200	719	0.9	7.56	12,154	27.1	8.01
MAXIMUM		810	8.50	12,763	995	136.0	7.70	11,594	772	3.7	8.27	2,474	32.3	8.31
MINIMUM		13	5.90	5,701	640	38.6	6.62	1,800	607	0.3	6.77	1,114	17.9	7.12
2/3/2021														
	0:01	787	8	10,663	668	77	7.73	11,125	740	2.5	8.33	0	0	0
	0:16	800	8.2	10,023	677	77.1	7.76	11,488	763	2.6	8.39	0	0	0
	0:31	0	8.7	5,292	0	77.1	7.81	4,967	762	3.3	8.48	1,024	21.7	8.53
	0:46	801	8.1	5,985	995	65	7.77	820	662	6.2	8.3	4,113	23.2	8.44
	1:01	810	8	11,381	680	58.5	7.53	10,728	713	3.1	7.74	0	0	0
	1:16	797	8.2	9,997	665	76.3	7.41	11,529	768	2.1	7.58	0	0	0
	1:31	799	8.3	11,045	995	74.9	7.46	10,500	703	2.2	7.76	0	0	0
	1:46	809	8.2	11,698	680	72	7.54	10,408	691	2.4	8.05	0	0	0
	2:01	827	8.5	10,035	669	71.5	7.61	11,555	769	2.3	8.2	0	0	0
	2:16	800	8.6	10,711	995	72.1	7.68	10,068	748	3.1	8.31	1,130	44.4	8.38
	2:31	815	8.5	12,010	674	68.9	7.74	9,633	697	3.7	8.43	939	17.4	8.39
	2:46	811	8.8	10,046	956	70.6	7.79	11,518	768	3	8.47	0	0	0
	3:01	0	9.1	2,141	0	73.1	7.82	0	777	3.4	8.5	2,245	11.2	8.53
	3:16	810	8.6	2,378	681	76.4	7.82	981	985	5.3	8.41	1,594	9.6	8.54
	3:31	799	8.4	12,214	792	45.5	7.33	9,909	661	2.8	7.25	0	0	0
	3:46	797	8.5	10,747	680	62.3	6.99	11,282	750	2.5	6.69	0	0	0
	4:01	812	8.7	9,993	664	69.1	6.97	11,528	767	2.3	6.79	0	0	0
	4:16	802	8.6	11,656	995	68.9	7.07	9,998	667	2.3	7.15	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:31	806	8.8	11,025	680	65.9	7.24	10,956	729	2.6	7.68	0	0	0
	4:46	798	8.6	10,005	642	66.7	7.38	11,526	767	2.7	8	0	0	0
	5:01	789	8.6	11,373	995	63.7	7.53	9,201	735	3.5	8.26	1,875	29.5	8.39
	5:16	0	8.6	13,833	0	68.1	7.66	3,876	626	4.7	8.48	8,706	4.6	8.57
	5:31	0	8.7	134	0	69.3	7.72	0	0	0	0	179	5.1	8.62
	9:01	0	7.3	7,817	647	53.6	7.71	7,036	816	4.1	7.64	1,733	26.9	7.61
	9:16	822	6.2	11,598	995	18.5	7.74	9,859	656	2.2	7.69	0	0	0
	9:31	816	6.3	11,073	658	20	7.72	10,814	719	0.8	7.71	0	0	0
	9:46	818	6.5	9,948	654	48.6	7.74	11,331	755	1.1	7.77	0	0	0
	10:01	810	6.5	11,263	995	58.9	7.79	8,814	731	2.5	7.91	2,191	33.7	7.97
	10:16	806	6.4	11,377	683	54.9	7.81	10,595	705	2.8	8	0	0	0
	10:31	821	6.8	9,950	665	53.1	7.86	11,404	758	2.8	8.04	0	0	0
	10:46	824	6.8	10,910	995	48.9	7.89	9,264	737	4	8.06	1,855	41.8	8.07
	11:01	818	6.8	11,706	659	43.3	7.91	9,864	718	2.6	8.06	911	11.9	8.07
	11:16	821	7.1	9,921	660	41.4	7.92	11,371	758	2.2	8.05	0	0	0
	11:31	801	7.2	10,571	995	40.3	7.93	9,988	737	3.2	8.05	1,104	47.9	8.05
	11:46	792	7	12,011	667	38.3	7.92	9,323	705	2.7	8	1,283	20.7	8.04
	12:01	793	7.4	9,983	642	36.4	7.91	11,355	757	2.1	7.99	0	0	0
	12:16	818	7.5	10,265	995	36.5	7.93	10,743	738	3.1	8.04	355	37	8.07
	12:31	818	7.4	12,340	665	36	7.95	8,534	687	3	8.07	1,878	32.9	8.07
	12:46	802	7.7	9,947	674	35.2	7.96	11,325	758	2.2	8.07	0	0	0
	13:01	810	8	9,931	995	34	7.98	11,329	754	3	8.09	0	0	0
	13:16	787	7.7	12,667	656	32.7	7.99	8,045	667	3	8.12	2,218	33.2	8.12
	13:31	813	8	9,959	673	31.1	8.01	11,404	762	1.9	8.13	0	0	0
	13:46	809	7.9	11,745	690	31.9	7.76	8,160	682	3.1	7.88	1,970	28.5	7.87
	14:01	806	8.1	10,437	659	24.1	7	11,215	747	1.8	7.11	0	0	0
	14:16	809	8.4	9,972	664	19.2	7.01	11,418	763	2	7.11	0	0	0
	14:31	798	8.2	11,805	995	15.8	7	8,635	708	3	7.1	2,047	31.4	7.12
	14:46	797	8.3	10,855	664	14.2	6.99	10,940	728	1.8	7.11	0	0	0

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
15:01	133	8.5	9,965	661	14.1	6.99	11,490	764	1.6	7.13	0	0	0
AVERAGES/TOTALS	791	7.90	482,401	766	51.5	7.62	447,852	735	2.8	7.88	39,350	25.6	8.17
MAXIMUM	827	9.10	13,833	995	77.1	8.01	11,555	985	6.2	8.50	8,706	47.9	8.62
MINIMUM	133	6.20	134	642	14.1	6.97	820	626	0.8	6.69	179	4.6	7.12
2/5/2021													
12:16	0	8	6,036	995	34.6	6.64	2,988	803	1.6	6.97	3,596	10.2	6.29
12:31	809	7.3	12,821	683	3.1	6.69	9,429	629	1.6	7	0	0	0
12:46	807	7.5	10,026	656	1.4	6.75	11,463	763	0.7	7.1	0	0	0
13:01	801	7.7	9,967	995	2.3	6.69	11,497	766	0.7	7.05	0	0	0
13:16	805	7.5	12,787	647	2.3	6.67	9,410	627	1.6	7.02	0	0	0
13:31	800	7.8	10,011	682	2.3	6.65	11,490	767	0.7	6.98	0	0	0
13:46	818	8.1	9,989	666	2.3	6.62	11,513	767	0.8	6.96	0	0	0
14:01	822	7.8	12,752	651	1.7	6.6	9,301	639	1.9	6.94	376	9.8	6.95
14:16	806	8	10,036	663	2	6.6	11,611	772	0.7	6.92	0	0	0
14:31	813	8.3	9,975	686	1.4	6.59	11,547	769	0.9	6.9	0	0	0
14:46	821	8	12,720	679	1.1	6.58	8,965	648	1.6	6.9	940	11.5	6.9
15:01	793	8.4	10,019	672	1.1	6.56	11,616	773	0.7	6.88	0	0	0
15:16	807	8.6	9,990	652	1	6.56	11,568	773	0.9	6.86	0	0	0
15:31	763	8.4	12,682	655	1	6.55	9,298	639	1.9	6.86	365	9.8	6.85
15:46	785	8.6	10,026	673	1	6.54	11,595	772	0.8	6.85	0	0	0
16:01	777	8.9	10,019	680	1.2	6.53	11,592	774	0.9	6.84	0	0	0
16:16	756	8.6	12,674	681	1.3	6.53	8,993	651	1.7	6.83	958	13.5	6.83
16:31	760	8.8	10,018	678	2	6.54	11,586	773	0.9	6.82	0	0	0
16:46	755	9.1	9,996	669	2.6	6.54	11,546	770	1.2	6.81	0	0	0
17:01	0	8.4	12,678	668	2.3	6.55	8,743	647	1.9	6.82	1,137	17.9	6.82
17:16	0	7.1	9,963	680	0	3.38	11,542	771	1.2	6.79	0	0	0
17:31	0	5.9	9,907	668	0	2.26	11,500	766	1.2	6.76	0	0	0
17:46	0	4.9	7,904	670	0	1.93	6,098	740	1.7	6.78	1,316	9.8	6.79

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:01	0	4	8,291	0	0	1.79	4,575	435	2	6.79	0	0	0
AVERAGES/TOTALS		794	7.74	251,287	698	3.4	5.89	239,466	718	1.2	6.89	8,688	11.8	6.78
MAXIMUM		822	9.10	12,821	995	34.6	6.75	11,616	803	2.0	7.10	3,596	17.9	6.95
MINIMUM		755	4.00	6,036	647	1.0	1.79	2,988	435	0.7	6.76	365	9.8	6.29
2/16/2021														
	11:46	0	4.6	11,588	972	0	4.42	0	0	0	0	8,811	5.6	4.43
	12:01	801	5.6	5,781	866	0	4.72	2,586	923	3.9	6.66	3,484	3	5.22
	12:16	810	5.7	9,966	673	15.1	5.3	11,446	836	2.4	6.87	0	0.5	6.77
	12:31	809	6.4	7,494	689	50.7	6.34	8,515	799	2.3	6.8	0	1	6.03
	12:46	804	6.1	12,632	688	42.9	6.53	8,492	682	2.8	6.84	1,977	21.4	6.85
	13:01	816	6.4	10,301	681	42.3	6.52	11,719	781	1.4	6.8	0	0	0
	13:16	806	6.7	10,140	660	40.9	6.5	11,662	777	1.4	6.77	0	0	0
	13:31	797	6.5	12,299	724	39.3	6.47	9,801	651	2	6.75	0	0	0
	13:46	798	6.7	10,612	677	36.7	6.46	11,496	765	1.3	6.74	0	0	0
	14:01	792	7	10,169	694	35.8	6.44	11,688	780	1.3	6.74	0	0	0
	14:16	795	6.9	11,991	995	36	6.4	9,005	718	2.6	6.75	1,912	27.5	6.75
	14:31	809	7.1	10,951	685	35.8	6.35	11,175	745	1.3	6.74	0	0	0
	14:46	787	7.4	10,116	678	36.1	6.35	11,676	778	1.2	6.73	0	0	0
	15:01	790	7.3	11,664	995	35.9	6.33	9,097	741	2.5	6.73	2,106	27.9	6.73
	15:16	814	7.5	11,235	684	35.4	6.31	10,970	730	1.3	6.71	0	0	0
	15:31	791	7.7	10,192	679	34.9	6.31	11,698	781	1.2	6.71	0	0	0
	15:46	787	7.7	11,362	995	35.6	6.29	9,521	757	2.4	6.71	1,896	28.1	6.72
	16:01	801	7.8	11,572	681	33.8	6.28	10,658	711	1.7	6.69	0	0	0
	16:16	807	8.1	10,200	665	33.9	6.28	11,718	780	1.2	6.69	0	0	0
	16:31	779	8.2	11,012	995	34.1	6.28	9,788	765	2.2	6.7	1,772	32.6	6.71
	16:46	799	8.1	11,913	676	33	6.28	10,300	712	1.7	6.69	388	10.4	6.72
	17:01	791	8.4	10,187	679	33.1	6.27	11,785	784	1.1	6.69	0	0	0
	17:16	0	6.6	12,749	684	33.6	6.35	3,473	276	2.4	6.68	1,041	24.3	6.69

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:31	0	5.6	10,140	321	27.1	6.37	0	0	0.8	6.67	0	0	0
	17:46	0	5.7	1,274	0	24.5	6.37	0	0	0.9	6.67	0	1	6.67
	18:16	783	5.7	6,998	669	24.4	6.33	8,017	819	1	6.67	49	0.9	6.69
	18:31	786	5.5	12,071	759	23.9	6.87	8,520	693	2.1	6.94	1,781	17.2	7.03
	18:46	801	6.3	6,539	694	30.4	7.04	6,669	778	1.3	7.07	78	0.7	7.08
	19:01	792	6.5	10,205	671	35.2	7.05	11,819	789	1.2	7.08	0	0	0
	19:16	792	6.6	10,138	995	35.7	7.05	11,692	782	2.2	7.08	0	0	0
	19:31	779	6.4	12,847	678	35.5	7.06	8,280	678	2.4	7.1	2,080	29.7	7.1
	19:46	794	6.7	10,133	690	34.7	7.07	11,722	781	1	7.11	0	0	0
	20:01	819	7	10,122	995	34.9	7.08	11,693	778	1.9	7.14	0	0	0
	20:16	792	6.7	12,831	656	35.2	7.08	8,411	675	2.3	7.15	1,893	28.8	7.17
	20:31	803	7	10,141	690	33.9	7.08	11,690	779	0.9	7.15	0	0	0
	20:46	773	7.3	10,163	688	34.1	7.09	11,667	779	1.8	7.17	0	0	0
	21:01	794	7.1	12,829	678	35.3	7.1	8,410	674	2.3	7.16	1,918	28.5	7.18
	21:16	777	7.4	10,147	677	34.5	7.11	11,730	781	0.8	7.15	0	0	0
	21:31	795	7.7	10,149	670	34.8	7.11	11,695	781	1.7	7.17	0	0	0
	21:46	784	7.4	12,800	677	36	7.11	8,434	677	2.5	7.16	1,928	28.4	7.17
	22:01	796	7.7	10,192	674	34.5	7.11	11,712	781	0.8	7.15	0	0	0
	22:16	804	8	10,164	671	34.5	7.11	11,696	779	1.6	7.15	0	0	0
	22:31	797	7.8	12,777	684	35.7	7.11	8,387	675	2.5	7.15	1,929	27.7	7.16
	22:46	794	8	10,149	676	34.1	7.11	11,685	781	0.8	7.15	0	0	0
	23:01	803	8.3	10,146	676	33.9	7.11	11,686	782	1.4	7.18	0	0	0
	23:16	794	8.1	12,795	680	35.5	7.12	8,328	672	2.4	7.19	1,934	26.5	7.2
	23:31	782	8.4	10,161	666	34.1	7.13	11,739	782	0.7	7.19	0	0	0
	23:46	788	8.7	10,198	683	35.1	7.13	11,698	780	1.3	7.19	0	0	0
AVERAGES/TOTALS		796	7.04	502,235	724	34.4	6.60	455,649	746	1.7	6.92	36,977	17.7	6.67
MAXIMUM		819	8.70	12,847	995	50.7	7.13	11,819	923	3.9	7.19	8,811	32.6	7.20
MINIMUM		773	4.60	1,274	321	15.1	4.42	2,586	276	0.7	6.66	49	0.5	4.43

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
2/17/2021														
	0:01	808	8.4	12,793	675	36.3	7.13	8,318	673	2.4	7.18	1,953	26	7.19
	0:16	793	8.7	10,198	665	35.4	7.11	11,736	784	0.8	7.17	0	0	0
	0:31	0	8.6	10,154	689	35.3	7.11	11,734	781	1.3	7.17	0	0	0
	0:46	812	8.3	12,582	693	36.3	7.11	8,404	678	2.4	7.16	1,934	25.8	7.17
	1:01	779	8.6	10,355	663	35.1	7.11	11,640	776	0.8	7.15	0	0	0
	1:16	781	8.9	10,136	683	34.5	7.11	11,705	781	1.1	7.15	0	0	0
	1:31	803	8.3	12,282	698	35.9	7.1	8,633	697	2.2	7.15	1,928	24.7	7.16
	1:46	795	8.5	10,662	676	34.8	7.1	11,382	758	0.9	7.15	0	0	0
	2:01	806	8.8	10,136	673	35.7	7.11	11,733	782	1.1	7.15	0	0	0
	2:16	781	8.6	11,985	995	37.1	7.11	8,896	719	2.3	7.15	1,927	24.9	7.17
	2:31	779	8.8	10,982	680	37.3	7.11	11,092	740	1	7.15	0	0	0
	2:46	786	8.6	10,158	691	35.5	7.11	11,699	781	1.1	7.15	0	0	0
	3:01	811	8.6	11,636	995	35.2	7.11	9,160	738	2.1	7.15	1,921	24.2	7.17
	3:16	789	8.6	11,295	677	34.8	7.11	10,827	721	1.1	7.15	0	0	0
	3:31	52	9	10,130	653	33.5	7.11	11,719	781	1	7.15	0	0	0
	3:46	779	8.5	11,323	995	34.7	7.11	9,603	757	1.9	7.14	1,731	23.9	7.15
	4:01	793	8.5	11,603	659	35.7	7.11	10,529	704	1.3	7.13	0	0	0
	4:16	795	8.8	10,139	677	34.1	7.1	11,694	780	1	7.13	0	0	0
	4:31	789	8.4	10,979	995	31.2	7.1	9,840	761	1.8	7.13	1,553	27.7	7.15
	4:46	773	8.4	11,936	663	30.7	7.1	10,226	697	1.4	7.13	192	10.4	7.15
	5:01	797	8.7	10,097	687	29.2	7.1	11,698	779	0.9	7.13	0	0	0
	5:16	780	8.8	10,701	995	29.2	7.1	10,662	763	1.6	7.13	768	36.5	7.15
	5:31	797	8.7	12,237	678	31	7.1	9,516	693	1.4	7.13	984	14.7	7.15
	5:46	0	8.7	10,091	663	29.9	7.1	11,708	779	0.8	7.15	0	0	0
	6:01	783	8.7	10,306	995	29.8	7.11	11,439	768	1.5	7.15	0	0	0
	6:16	783	8.5	12,568	677	29.7	7.12	8,705	682	1.5	7.16	1,758	22.5	7.17
	6:31	776	8.8	10,092	687	27.6	7.13	11,692	779	0.7	7.18	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:46	785	8.6	10,059	995	27.9	7.15	11,643	776	1.3	7.2	0	0	0
	7:01	770	8.4	12,765	675	28.7	7.15	8,722	661	1.7	7.21	1,352	23.1	7.22
	7:16	785	8.7	10,115	668	27.2	7.15	11,682	778	0.7	7.21	0	0	0
	7:31	0	8.8	10,105	995	27.8	7.16	11,631	777	1.2	7.2	0	0	0
	7:46	782	8.4	12,758	669	29.6	7.17	8,637	655	1.8	7.21	1,334	23.5	7.22
	8:01	792	8.7	10,096	682	28.2	7.17	11,689	780	0.6	7.22	0	0	0
	8:16	0	8.8	10,073	668	28.7	7.17	11,634	777	1.1	7.24	0	0	0
	8:31	781	8.3	12,749	681	29.6	7.18	8,560	651	1.8	7.25	1,328	22.8	7.26
	8:46	776	8.6	10,061	673	26.6	7.18	11,623	776	0.6	7.26	0	0	0
	9:01	0	8.4	10,300	995	25.9	7.18	11,288	761	1.1	7.27	149	10.2	7.28
	9:16	789	6.8	12,403	676	28.7	7.19	9,109	664	1.4	7.25	975	19	7.28
	9:31	781	7.1	10,033	668	24.6	7.19	11,586	771	0.6	7.24	0	0	0
	9:46	779	7.3	9,977	995	25.8	7.18	11,582	772	1.1	7.23	0	0	0
	10:01	776	7.1	12,651	658	27.7	7.18	8,765	646	1.5	7.22	1,122	19.7	7.23
	10:16	771	7.4	10,005	674	26.8	7.18	11,585	772	0.6	7.23	0	0	0
	10:31	795	7.7	10,040	995	26.8	7.18	11,555	772	1.1	7.24	0	0	0
	10:46	772	7.4	12,636	663	28.8	7.19	8,824	652	1.5	7.24	1,160	20.1	7.26
	11:01	808	7.7	9,999	679	27.7	7.2	11,615	773	0.6	7.24	0	0	0
	11:16	784	8	10,025	667	27.7	7.18	11,603	773	1.1	7.22	0	0	0
	11:31	790	7.7	12,652	665	28.8	7.18	8,816	652	1.6	7.19	1,167	20.9	7.2
	11:46	771	8.1	10,008	677	28.4	7.17	11,604	773	0.6	7.16	0	0	0
	12:01	782	7.1	9,977	995	32.7	7.17	11,573	772	1.3	7.2	0	0	0
	12:16	0	6.3	12,613	653	35	7.18	8,814	652	1.6	7.28	1,168	22.7	7.26
	12:31	0	5.7	8,223	0	35.8	7.19	9,419	769	0.6	7.35	147	0.8	7.38
	12:46	0	5.6	3,842	646	41.6	7.16	4,419	808	0.9	7.38	24	0.8	7.39
	13:01	0	5.6	2,815	0	34.7	7.21	3,100	772	0.9	7.4	193	1.1	7.42
	13:16	0	6	372	736	43.5	7.13	358	635	1.3	7.45	53	1.1	7.45
	13:31	0	5.6	5,827	0	38.3	7.2	6,735	818	1.2	7.46	3	1.3	7.51
	14:46	0	6.1	83	995	35	7.18	0	0	0	0	52	1.3	7.58

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:01	773	6.2	11,642	0	37.2	7.29	231	23	1.4	7.61	0	20.7	7.57
	AVERAGES/TOTALS	770	7.98	582,460	753	32.0	7.15	554,392	728	1.3	7.21	26,876	17.4	7.27
	MAXIMUM	812	9.00	12,793	995	43.5	7.29	11,736	818	2.4	7.61	1,953	36.5	7.58
	MINIMUM	52	5.60	83	646	24.6	7.10	231	23	0.6	7.13	3	0.8	7.15
2/19/2021														
	9:46	790	6.3	2,456	995	135.9	7.05	0	0	0	0	1,952	13.9	7.27
	10:01	778	5.6	14,543	756	25	7.07	0	0	0	0	10,023	2.8	7.34
	10:16	779	5.6	11,214	691	27.9	7.08	11,383	842	1.7	7.05	1,119	2.1	7.26
	10:31	776	5.8	10,629	713	35.8	7.06	12,373	826	2.9	6.77	0	0	0
	10:46	803	5.6	11,987	887	41	7	7,360	815	4.9	6.6	3,974	20.9	6.52
	11:01	789	5.6	12,038	741	45.5	6.99	10,398	886	4	6.71	2,735	6.4	6.82
	11:16	794	5.8	10,884	880	46.6	6.93	12,659	844	5.6	6.71	0	0	0
	11:31	898	5.5	13,219	644	49	6.89	5,790	831	4.6	6.67	5,840	22.1	6.71
	11:46	901	6	10,015	662	46.3	6.85	11,635	775	3.7	6.66	0	0	0
	12:01	883	6.4	10,041	667	46.3	6.83	11,672	776	6.2	6.72	0	0	0
	12:16	899	6.2	12,997	676	49.2	6.82	6,307	789	6.4	6.75	5,240	26.2	6.75
	12:31	876	6.6	10,121	660	48.4	6.81	11,716	780	3.8	6.76	0	0	0
	12:46	0	7.2	6,990	0	48.1	6.8	7,990	779	6	6.77	177	7.2	6.78
	13:01	906	7	3,118	995	51.1	6.84	929	764	6.5	6.86	2,409	30.8	6.74
	13:16	898	6.8	13,250	667	44.4	7	6,942	752	3.4	6.71	4,650	20.4	6.77
	13:31	897	7.1	10,073	669	41.1	7	11,674	778	3.9	6.66	0	0	0
	13:46	903	7.5	10,073	658	42.5	6.98	11,663	778	4.7	6.81	0	0	0
	14:01	901	7.4	12,846	670	43	6.98	7,362	734	4.8	6.85	3,744	25.5	6.86
	14:16	909	7.8	10,122	678	44.9	6.97	11,750	782	3.6	6.86	0	0	0
	14:31	903	8.2	10,136	690	49.2	6.96	11,732	782	6.5	6.86	0	0	0
	14:46	892	7.9	13,212	685	54.2	6.96	5,812	804	6.7	6.86	6,067	24.8	6.86
	15:01	904	8.4	10,148	682	57.4	6.95	11,739	784	4.3	6.83	0	0	0
	15:16	884	8.8	10,130	681	58.1	6.93	11,716	782	7.7	6.82	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:31	894	8.5	13,233	700	58.4	6.92	5,076	799	8.1	6.81	6,824	26	6.82
	15:46	899	8.9	10,214	675	56.1	6.91	11,844	792	3.9	6.8	0	0	0
	16:01	0	7.7	10,096	664	54.1	6.9	11,747	783	6.6	6.8	0	0	0
	16:16	893	7.2	12,798	692	44.5	6.89	7,218	737	6.7	6.81	3,951	30.8	6.82
	16:31	894	7.5	10,108	701	43.6	6.88	11,752	783	3.1	6.8	0	0	0
AVERAGES/TOTALS		867	6.96	296,691	721	49.6	6.94	248,239	791	5.0	6.78	58,705	18.6	6.88
MAXIMUM		909	8.90	14,543	995	135.9	7.08	12,659	886	8.1	7.05	10,023	30.8	7.34
MINIMUM		776	5.50	2,456	644	25.0	6.80	929	734	1.7	6.60	177	2.1	6.52
2/22/2021														
	11:01	0	7.9	5,960	0	55.9	6.78	5,408	772	5.5	6.81	1,386	14.8	6.93
	11:16	788	8	5,270	667	31.6	6.5	6,063	845	2.9	6.79	29	6	6.9
	11:31	762	7.5	12,816	684	26.3	6.51	8,328	690	3.3	6.68	2,238	28.1	6.67
	11:46	760	7.6	10,166	671	45.5	6.5	11,741	784	1.3	6.64	0	0	0
	12:01	776	7.8	10,102	679	53.9	6.48	11,715	780	4.7	6.6	0	0	0
	12:16	784	7.4	12,718	687	54.4	6.49	8,310	689	5.7	6.6	2,300	32.6	6.6
	12:31	779	7.6	10,168	675	51.7	6.51	11,792	786	1.1	6.59	0	0	0
	12:46	771	7.8	10,087	676	53.3	6.54	11,643	779	1.3	6.58	0	0	0
	13:01	768	7.5	12,567	699	53	6.55	8,874	670	1.8	6.59	1,320	20.7	6.59
	13:16	779	7.6	10,289	669	51.3	6.57	11,745	782	0.5	6.6	0	0	0
	13:31	775	7.8	10,027	668	52.3	6.58	11,645	778	0.3	6.58	0	0	0
	13:46	786	7.6	12,238	726	53.6	6.59	9,782	650	0.6	6.59	0	0	0
	14:01	770	7.7	10,616	664	53.6	6.59	11,486	766	0.5	6.6	0	0	0
	14:16	764	7.9	10,025	660	54.6	6.6	11,642	777	0.3	6.58	0	0	0
	14:31	774	7.7	11,885	995	55.2	6.61	10,009	667	0.5	6.59	0	0	0
	14:46	760	7.7	10,855	662	56.9	6.61	11,214	746	0.5	6.6	0	0	0
	15:01	771	8	9,997	672	60.2	6.61	11,638	776	0.3	6.58	0	0	0
	15:16	767	7.8	11,509	995	62.8	6.61	10,190	680	0.4	6.59	0	0	0
	15:31	754	7.8	11,170	665	61.3	6.61	10,904	726	0.5	6.61	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:46	772	8.1	9,987	662	65.4	6.61	11,584	774	0.3	6.6	0	0	0
	16:01	779	8	11,137	995	67.3	6.62	10,429	697	0.4	6.61	0	0	0
	16:16	760	7.9	11,483	676	65.5	6.62	10,659	710	0.5	6.63	0	0	0
	16:31	775	8.2	9,942	667	68.3	6.63	11,523	769	0.3	6.62	0	0	0
	16:46	770	8.2	10,770	995	69.6	6.64	10,597	709	0.3	6.63	0	0	0
	17:01	772	8.1	11,774	669	71.5	6.64	10,336	688	0.5	6.65	0	0	0
	17:16	768	8.3	9,894	639	77	6.65	11,455	766	0.4	6.64	0	0	0
	17:31	773	8.4	10,326	995	77.6	6.65	10,846	722	0.3	6.64	0	0	0
	17:46	770	8.2	12,074	646	76.3	6.65	10,022	666	0.6	6.66	0	0	0
	18:01	771	8.5	9,867	647	77.7	6.65	11,408	761	0.4	6.65	0	0	0
	18:16	784	8.6	9,954	995	77.9	6.66	11,037	736	0.3	6.69	0	0	0
	18:31	763	8.4	12,398	677	79.9	6.67	9,745	648	0.6	6.73	0	0	0
	18:46	763	8.7	10,014	656	86.8	6.67	11,605	774	0.3	6.74	0	0	0
	19:01	769	8.8	9,932	995	51.6	6.72	11,513	766	0.3	6.75	0	0	0
	19:16	768	8.5	12,651	675	87.2	6.75	9,602	638	0.8	6.78	0	0	0
	19:31	737	8.7	10,006	643	99.2	6.77	11,600	775	0.4	6.78	0	0	0
	19:46	745	8.9	9,924	995	87	6.77	11,536	767	0.3	6.78	0	0	0
	20:01	733	8.5	12,642	676	77.8	6.77	9,605	637	0.8	6.78	0	0	0
	20:16	729	8.7	10,018	659	79.7	6.77	11,643	778	0.4	6.77	0	0	0
	20:31	737	8.8	9,943	657	77.9	6.77	11,571	772	0.3	6.76	0	0	0
	20:46	754	8.4	12,617	661	73.4	6.76	9,576	638	0.8	6.77	0	0	0
	21:01	734	8.6	10,026	668	75	6.76	11,665	777	0.4	6.76	0	0	0
	21:16	742	8.7	9,952	676	74.4	6.76	11,544	770	0.3	6.76	0	0	0
	21:31	734	8.4	12,627	677	70.2	6.76	9,501	634	0.8	6.76	0	0	0
	21:46	752	8.5	10,039	665	70.1	6.76	11,638	776	0.4	6.75	0	0	0
	22:01	744	8.7	9,961	661	70.2	6.76	11,580	771	0.3	6.75	0	0	0
	22:16	737	8.3	12,624	672	69.8	6.75	7,776	521	0.8	6.75	0	0	0
	22:31	742	8.4	10,046	664	70.1	6.75	0	0	0.4	6.73	0	0	0
	22:46	747	8.6	9,948	663	70.7	6.73	0	0	0.4	6.72	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:01	740	8.2	12,577	677	69.4	6.73	0	0	0.8	6.72	0	0	0
	23:16	730	8.3	10,025	662	67.9	6.73	0	0	0.6	6.71	0	0	0
	23:31	728	8.5	9,971	662	65.8	6.73	0	0	0.4	6.71	0	0	0
	23:46	734	8.2	12,600	670	62.1	6.73	0	0	0.7	6.73	0	0	0
AVERAGES/TOTALS		760	8.17	556,214	720	65.7	6.66	485,725	730	0.9	6.68	7,273	20.4	6.74
MAXIMUM		788	8.90	12,816	995	99.2	6.78	11,792	845	5.7	6.81	2,300	32.6	6.93
MINIMUM		728	7.40	5,270	639	26.3	6.48	5,408	521	0.3	6.58	29	6.0	6.59
2/23/2021														
	0:01	740	8.3	10,049	674	60	6.73	0	0	0.5	6.73	0	0	0
	0:16	741	8.4	9,979	646	60.7	6.74	0	0	0.4	6.74	0	0	0
	0:31	743	8.1	12,476	659	60.5	6.75	0	0	0.6	6.74	0	0	0
	0:46	736	8.2	10,089	675	58.9	6.74	0	0	0.5	6.72	0	0	0
	1:01	729	8.3	9,972	665	60.9	6.72	0	0	0.4	6.69	0	0	0
	1:16	735	8	12,192	665	61.3	6.7	0	0	0.7	6.68	0	0	0
	1:31	733	8.1	10,433	669	61.6	6.69	0	0	0.6	6.66	0	0	0
	1:46	0	7.3	10,008	661	60.5	6.68	0	0	0.4	6.64	0	0	0
	2:01	0	5.8	11,863	995	49.4	6.67	0	0	0.8	6.65	0	0	0
	2:16	0	5.7	4,242	0	44.8	6.67	0	0	0.8	6.65	0	0.5	6.65
	8:46	737	6.3	9,401	657	26.4	6.76	0	0	0.6	6.66	0	0.5	6.7
	9:01	729	6.3	9,905	645	42.2	6.72	0	0	0.4	6.63	0	0	0
	9:16	735	6	12,648	673	47.3	6.68	0	0	1.5	6.62	0	0	0
	9:31	0	5.8	9,206	0	50	6.65	0	0	0.5	6.58	0	0.4	6.57
	10:01	716	6.3	1,609	688	60.6	6.55	1,557	865	0.9	6.56	220	0.4	6.59
	10:16	735	6.3	10,168	668	35.8	6.66	11,717	783	0.6	6.56	0	0	0
	10:31	0	5.5	12,683	687	44.3	6.62	8,468	662	1.9	6.56	1,662	24	6.57
	10:46	0	5.9	1,554	0	46.1	6.61	1,793	796	0.7	6.56	0	0.6	6.55

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		734	6.92	168,477	688	51.7	6.69	23,535	777	0.7	6.65	1,882	4.4	6.61
MAXIMUM		743	8.40	12,683	995	61.6	6.76	11,717	865	1.9	6.74	1,662	24.0	6.70
MINIMUM		716	5.50	1,554	645	26.4	6.55	1,557	662	0.4	6.56	220	0.4	6.55
2/26/2021														
	9:46	747	5.9	1,810	734	18.6	6.58	1,497	881	2.8	6.63	510	8.2	6.46
	10:01	750	5.9	10,288	659	8	6.75	11,851	790	0.7	6.7	0	0	0
	10:16	747	5.7	11,389	995	44	6.74	8,539	743	1.6	6.72	2,549	24.5	6.7
	10:31	750	5.5	11,394	661	62.7	6.72	10,609	747	3.8	6.69	557	11.8	6.7
	10:46	756	5.7	9,965	945	64.4	6.7	11,548	772	5.9	6.67	0	0	0
	11:01	737	5.3	12,984	853	60.4	6.69	3,334	890	6.5	6.65	8,388	21.4	6.65
	11:16	770	5.7	8,802	870	56.5	6.69	10,168	992	4.7	6.63	0	4.5	6.64
	11:31	0	5.9	5,864	0	46.3	6.66	6,636	973	4.7	6.67	100	5.1	6.67
	15:46	787	6.3	3,028	995	35	6.67	0	0	0	0	2,435	24.2	6.72
	16:01	786	6.1	12,189	689	22.8	6.73	9,823	786	2.8	6.7	1,910	10.7	6.71
	16:16	773	6.2	10,041	678	35.9	6.69	11,589	772	2.9	6.7	0	0	0
	16:31	768	7	6,874	959	38.4	6.66	5,690	777	4.7	6.7	2,060	18.9	6.68
	16:46	766	6.3	13,964	688	31.9	6.66	5,422	721	4.2	6.58	6,529	18.1	6.6
	17:01	789	6.4	10,350	668	50.8	6.64	10,839	804	3	6.55	1,050	4.9	6.28
	17:16	769	6.5	10,034	637	38.5	6.66	11,611	774	5.3	6.6	0	0	0
	17:31	768	6.2	12,762	684	37.6	6.66	6,853	568	4.9	6.63	2,077	30.2	6.62
	17:46	781	6.4	10,050	663	38.7	6.65	0	0	1.7	6.63	0	0	0
	18:01	784	6.9	8,135	708	40.3	6.66	468	27	2.6	6.62	157	3	6.63
	18:16	764	6.6	12,390	751	33.1	6.66	8,889	701	3	6.63	1,603	22.8	6.63
	18:31	774	6.6	10,336	670	31.6	6.73	11,061	757	0.7	6.74	103	0.4	6.7
	18:46	775	6.8	9,891	660	31.6	6.85	11,480	765	0.3	6.95	0	0	0
	19:01	762	6.7	11,696	995	34.6	6.86	9,815	654	0.6	6.99	0	0	0
	19:16	765	6.7	10,874	650	36.2	6.87	11,035	735	0.5	7.01	0	0	0
	19:31	768	6.9	9,842	662	38.4	6.88	11,472	766	0.3	7.02	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:46	766	6.8	11,384	995	38.2	6.89	10,135	675	0.5	7.03	0	0	0
	20:01	750	6.8	11,195	642	36.4	6.89	10,749	716	0.5	7.04	0	0	0
	20:16	769	7.1	9,922	660	37.9	6.89	11,468	766	0.4	7.03	0	0	0
	20:31	752	7	11,057	995	37.3	6.88	10,416	695	0.5	7.03	0	0	0
	20:46	778	6.9	11,514	658	35.7	6.88	10,507	698	0.5	7.04	0	0	0
	21:01	785	7.1	9,875	658	36.5	6.87	11,505	766	0.3	7.03	0	0	0
	21:16	768	7.2	10,723	995	37	6.87	10,687	715	0.3	7.02	0	0	0
	21:31	765	7	11,834	652	35.4	6.87	10,192	678	0.6	7.04	0	0	0
	21:46	768	7.3	9,904	666	35	6.87	11,490	767	0.3	7.02	0	0	0
	22:01	761	7.3	10,346	995	33.6	6.87	10,969	733	0.3	7.02	0	0	0
	22:16	763	7.1	12,180	662	32.3	6.87	9,916	658	0.6	7.01	0	0	0
	22:31	761	7.3	9,891	668	32.1	6.85	11,524	767	0.3	6.99	0	0	0
	22:46	776	7.5	10,048	995	31.9	6.85	11,317	756	0.3	6.98	0	0	0
	23:01	776	7.2	12,475	667	31.6	6.85	9,629	639	0.8	7	0	0	0
	23:16	766	7.4	9,885	644	31	6.85	11,524	769	0.3	7	0	0	0
	23:31	761	7.6	9,889	995	30.8	6.85	11,505	766	0.3	7	0	0	0
	23:46	781	7.3	12,638	669	29.3	6.85	9,426	628	0.7	7.03	0	0	0
AVERAGES/TOTALS		767	6.64	419,712	767	37.0	6.78	373,188	733	1.9	6.84	30,028	13.9	6.63
MAXIMUM		789	7.60	13,964	995	64.4	6.89	11,851	992	6.5	7.04	8,388	30.2	6.72
MINIMUM		737	5.30	1,810	637	8.0	6.58	468	27	0.3	6.55	100	0.4	6.28
2/27/2021														
	0:01	780	7.5	9,926	642	28.3	6.86	11,542	769	0.3	7.02	0	0	0
	0:16	762	7.7	9,906	995	27.9	6.86	11,476	764	0.3	7.02	0	0	0
	0:31	767	7.4	12,608	664	28.8	6.86	9,481	630	0.6	7.02	0	0	0
	0:46	772	7.6	9,906	671	31.4	6.85	11,512	768	0.3	6.99	0	0	0
	1:01	747	7.8	9,870	663	31.7	6.84	11,436	765	0.3	6.98	0	0	0
	1:16	782	7.5	12,590	642	31.9	6.82	9,441	627	0.7	6.99	0	0	0
	1:31	755	7.7	9,918	645	35	6.82	11,533	769	0.4	6.98	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:46	766	7.9	9,858	653	37.3	6.82	11,491	766	0.3	6.98	0	0	0
	2:01	0	7.2	12,592	661	36.5	6.82	9,463	629	0.6	7	0	0	0
	2:16	0	6.6	9,867	662	33.7	6.82	11,464	766	0.4	6.98	0	0	0
	2:31	0	5.5	9,837	634	29.2	6.83	11,439	762	0.3	6.98	0	0	0
AVERAGES/TOTALS		766	7.31	116,878	685	32.0	6.84	120,278	729	0.4	6.99			
MAXIMUM		782	7.90	12,608	995	37.3	6.86	11,542	769	0.7	7.02			
MINIMUM		747	5.50	9,837	634	27.9	6.82	9,441	627	0.3	6.98			

DATA SUMMARY

AVERAGES/TOTALS	770	7.46	4,001,790	731	46.4	6.91	3,558,524	735	1.7	7.12	221,933	18.2	7.15
MAXIMUM	909	9.10	14,543	995	136.0	8.01	12,659	992	8.1	8.50	10,023	47.9	8.62
MINIMUM	13	4.00	83	321	1.0	1.79	231	23	0.3	6.55	3	0.4	4.43

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

MONTHLY SUMMARY REPORT

Emerald Gateway

FEBRUARY 2022

Downloaded: 3/1/2022

Date TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
2/1/2022														
13:17	0	16.7	81.3	1918	0	34.5	7.67	2101	500	4.6	7.32	0	4.6	7.3
AVERAGES/TOTALS		16.7	81.30	1,918		34.5	7.67	2,101	500	4.6	7.32		4.6	7.30
MAXIMUM		16.7	81.30	1,918		34.5	7.67	2,101	500	4.6	7.32		4.6	7.30
MINIMUM		16.7	81.30	1,918		34.5	7.67	2,101	500	4.6	7.32		4.6	7.30
2/4/2022														
8:47	0	44.7	91.1	6940	476	20.7	7.19	0	0	0	0	7769	4.5	7.13
9:02	0	44.7	85.8	7588	515	28	7.47	0	0	0	0	8439	5.4	7.27
9:17	0	47.4	85	6924	422	26.8	7.64	6132	499	5.3	7.42	1552	4.9	7.37
9:32	766	36.8	92.2	7852	514	24	7.7	3900	479	5.2	7.44	2867	20	7.45
9:47	0	30.3	92.2	7118	464	21.7	7.79	7056	496	6.3	7.51	423	16.5	7.46
10:02	0	30.3	90.9	7753	610	23.1	8.07	5208	482	6.3	7.77	1734	15	7.9
10:17	0	0	89.5	3844	0	23.2	7.7	3116	480	7.5	7.36	486	14.8	7.45
11:02	745	35.6	92.6	5558	435	23.9	8.02	6036	508	5.2	7.68	135	6.5	7.64
11:17	731	42.1	92.4	8108	463	23.4	8.06	5225	437	6.3	7.66	1363	16.3	7.68
11:32	754	38.2	92.6	6873	449	25.7	8.2	7575	504	5.6	7.84	0	0	0
11:47	0	38.2	92.5	7190	434	27.7	7.98	6239	511	5.1	7.5	1560	5.2	8.12
12:02	62	38.2	91.5	6830	436	27.4	8.03	7523	502	4.3	7.64	0	0	0
12:17	0	34.3	90.3	4790	0	26.7	7.98	5227	499	4.1	7.54	124	4.1	7.54
13:32	530	46.2	92.9	6241	420	27.9	7.98	6738	499	3.9	7.48	137	5.5	6.82
13:47	569	59.7	93.4	6631	451	27.7	8.09	7340	491	3.9	7.62	0	0	0
14:02	531	106.1	92.2	7918	514	29.1	7.91	4252	461	5.3	7.67	2084	15.4	6.94
14:17	537	57	92.5	6899	448	34.2	7.73	7297	508	5.8	7.3	391	16.7	7.07
14:32	552	86.4	92.2	7929	475	36.5	7.73	4728	471	6.1	7.26	1834	14.2	7.19

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:47	0	55.7	92.6	7077	480	40	7.78	7113	500	6.2	7.3	389	15.7	7.21
	15:02	541	71.6	92.4	7796	670	40.8	7.93	5745	468	6.1	7.47	1005	15.1	7.51
	15:17	559	54.1	92.7	7259	473	40.8	8.01	6961	496	5.9	7.58	447	15.3	7.53
	15:32	0	44.9	92.5	7619	617	41.7	8.19	6166	467	5.5	7.81	607	16.3	7.9
	AVERAGES/TOTALS	573	49.6	91.45	152,737	488	29.1	7.87	119,577	488	5.5	7.54	33,346	12.0	7.43
	MAXIMUM	766	106.1	93.40	8,108	670	41.7	8.20	7,575	511	7.5	7.84	8,439	20.0	8.12
	MINIMUM	62	30.3	85.00	3,844	420	20.7	7.19	3,116	437	3.9	7.26	124	4.1	6.82
2/24/2022															
	11:02	0	0	40.2	2275	0	42.1	8.27	1108	407	7.8	7.96	572	14.3	7.97
	AVERAGES/TOTALS			40.20	2,275		42.1	8.27	1,108	407	7.8	7.96	572	14.3	7.97
	MAXIMUM			40.20	2,275		42.1	8.27	1,108	407	7.8	7.96	572	14.3	7.97
	MINIMUM			40.20	2,275		42.1	8.27	1,108	407	7.8	7.96	572	14.3	7.97
2/28/2022															
	13:17	769	155.5	85.3	953	556	7.5	6.78	0	0	0	0	253	0	4.99
	13:32	748	156.8	70.2	7563	481	12.3	7.14	6025	503	5.5	6.89	1724	2.1	6.35
	13:47	0	160.7	91.2	8746	510	33.1	7.34	3019	481	7.6	7.08	3665	13.6	7.15
	14:02	0	154.1	93.6	8419	685	51.4	7.49	542	542	0	7.28	7224	13.5	7.26
	14:17	0	159.4	93.7	8577	482	49.5	7.58	1064	533	4	7.37	6481	12.6	7.35
	14:32	756	155.5	94.2	7532	521	52.8	7.67	5924	483	9	7.41	1211	13.6	7.44
	14:47	0	156.8	94.6	8766	533	60.3	7.79	800	539	9.9	7.6	6657	13.2	7.54
	15:02	776	154.2	94.9	7709	675	66.8	7.95	4729	498	8.8	7.69	2838	11.8	7.66
	15:17	787	154.1	94.8	8881	455	65	8.04	1276	508	9.8	7.8	6066	13.8	7.76
	15:32	787	154.1	95	7186	666	70.4	8.2	7212	488	8	7.89	89	10.3	7.94
	15:47	0	166	94.8	8896	463	73.8	8.33	1972	523	9.1	8.07	5182	14.3	8.01
	16:02	795	155.4	95.1	7023	649	78	8.43	7344	489	7.3	8.11	0	0	0
	16:17	0	166	95.1	8935	439	81.5	8.5	2341	496	8.7	8.2	4691	15.3	8.19
	16:32	761	155.5	95.5	7083	634	84.2	8.34	7378	491	7	8.05	0	0	0
	16:47	807	172.6	94.9	8871	492	85.5	7.98	3349	483	8.3	7.64	3582	14.9	7.68

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:02	733	162	95	7159	463	88.1	7.74	7369	491	6.4	7.41	0	0	0
	17:17	759	176.8	94.6	8786	494	92.3	7.66	3433	455	7.8	7.35	3433	14.9	7.34
	17:32	0	163.4	95.5	7181	478	96.2	7.68	7443	494	6.9	7.37	0	0	0
	17:47	0	180.8	95	8867	513	99.4	7.82	2620	461	7.2	7.48	4270	14.6	7.57
	18:02	723	166	95.2	7248	470	100.8	8	7205	500	7.7	7.72	284	10.5	7.64
	18:17	0	171.2	95.3	8755	529	103.2	8.19	2891	463	7.2	7.85	3950	15.2	7.95
	18:32	788	162	95.8	7352	473	104.1	8.34	7044	503	7.7	8.05	560	11.1	8
	18:47	0	168.6	96	8693	510	104.8	8.07	3172	475	7.1	8.02	3645	15.9	7.49
	19:02	773	162	95.8	7424	476	104.4	7.67	6404	504	8.1	7.41	1268	11.7	7.04
	19:17	0	163.4	95.8	8538	532	105.2	7.84	3338	482	7.1	7.6	3424	16	7.62
	19:32	785	171.2	95.4	7762	492	103.5	7.14	5594	505	7.6	6.98	1965	13.9	6.39
	19:32	778	163.4	95.6	7534	451	103.3	7.85	5788	502	8.1	7.6	1956	13.4	7.61
	19:47	0	167.3	95.5	8095	654	107	7.46	4803	483	6.5	7.15	2128	17.2	7.31
	19:47	0	166	96.1	8416	529	104.5	7.99	3811	481	6.9	7.68	3012	16.8	7.81
	20:02	786	167.3	95.7	7995	465	105.2	7.71	4419	502	8.5	7.52	3088	13.8	7.38
	20:02	771	175.6	95.2	7752	452	103	8.18	5619	499	8.4	7.97	2041	12.9	7.92
	20:17	0	164.6	96.2	7831	642	107.9	8.05	5184	482	7.5	7.79	1795	16.7	7.96
	20:17	779	171.2	95.6	8251	688	104.2	8.03	4440	478	7.5	8.03	2427	17.5	7.2
	20:32	0	159.4	96.5	8488	523	103.3	7.98	2360	525	9.3	8.13	5298	13.1	7.91
	20:47	746	163.4	96.1	8099	635	97.8	6.86	3709	463	5.3	6.84	3719	9.1	5.91
	21:02	768	162	96.3	8148	469	95.9	7.41	5099	484	7.6	7.2	2044	16.1	7.13
	21:17	0	155.5	96.4	7333	552	99.2	7.55	6895	468	6.2	7.28	107	16	7.37
	21:32	0	159.4	96.4	8520	463	98.2	7.72	3438	504	8.6	7.54	3815	15.3	7.43
	21:47	0	145	96.5	7237	687	101.6	7.97	6716	482	7.4	7.72	413	11.4	7.88
	22:02	0	160.7	96.3	8934	536	99.3	8.25	1323	522	9.8	8.13	6095	15.1	8.06
	22:17	770	152.8	96.3	7680	674	91.3	7.02	3907	496	4.7	6.84	3912	6.9	6.58
	22:32	0	156.8	96.3	8613	488	89.7	7.44	4417	451	7.8	7.2	2394	17.7	7.16
	22:47	781	146.3	96.3	7010	613	93.2	7.5	7267	484	5.9	7.25	0	0	0
	23:02	758	171.2	95.5	8743	452	92.6	7.59	4092	459	8.4	7.33	2811	16	7.31

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:17	792	151.5	95.8	7054	618	98.9	7.84	7302	486	7.5	7.57	0	0	0
	23:32	775	171.3	95.6	8963	492	98.5	8.1	1291	472	8.3	7.82	5775	15	7.91
	23:47	760	148.8	95.8	7133	464	99.4	8.31	7411	495	8.5	8.08	0	0	0
AVERAGES/TOTALS		771	161.8	94.64	370,734	537	86.6	7.80	208,779	491	7.6	7.59	125,292	13.7	7.41
MAXIMUM		807	180.8	96.50	8,963	688	107.9	8.50	7,443	542	9.9	8.20	7,224	17.7	8.19
MINIMUM		723	145.0	70.20	953	439	7.5	6.78	542	451	4.0	6.84	89	2.1	4.99

MONTHLY SUMMARY

AVERAGES/TOTALS	710	125.5	92.70	527,664	522	67.4	7.83	331,565	489	6.9	7.58	159,210	13.0	7.42
MAXIMUM	807	180.8	96.50	8,963	688	107.9	8.50	7,575	542	9.9	8.20	8,439	20.0	8.19
MINIMUM	62	16.7	40.20	953	420	7.5	6.78	542	407	3.9	6.84	89	2.1	4.99

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

MARCH 2021

Downloaded: 4/15/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
3/1/2021													
20:01	0	5.5	2,397	0	27.1	6.83	2,638	758	0.3	6.99	173	0.2	7
20:31	770	6.1	2,946	995	68.1	6.81	1,977	605	1.2	7.04	0	0.8	7.03
20:46	765	5.9	11,895	673	21.4	6.91	10,262	683	0.7	7.09	0	0	0
21:01	763	6.1	9,863	658	28.6	6.89	11,474	764	0.4	7.06	0	0	0
21:16	746	6.1	10,327	995	33.5	6.87	10,949	727	0.5	7.05	0	0	0
21:31	771	5.9	12,217	657	33.5	6.86	9,854	656	0.7	7.06	0	0	0
21:46	764	6.1	9,852	645	33.7	6.85	11,518	767	0.4	7.05	0	0	0
22:01	771	6.2	9,968	995	33.8	6.84	11,324	752	0.4	7.05	0	0	0
22:16	769	6	12,561	666	33.7	6.84	9,584	638	0.9	7.05	0	0	0
22:31	768	6.2	9,884	655	34.4	6.84	11,523	767	0.4	7.03	0	0	0
22:46	774	6.3	9,834	995	35.1	6.83	11,499	765	0.4	7.02	0	0	0
23:01	771	6.1	12,695	662	35.5	6.81	9,484	630	1	7.03	0	0	0
23:16	771	6.3	9,868	663	34.8	6.81	11,536	768	0.4	7.02	0	0	0
23:31	749	6.5	9,881	995	34.9	6.81	11,517	767	0.4	7.01	0	0	0
23:46	775	6.2	12,644	659	33.8	6.8	9,421	627	1	7.02	0	0	0
AVERAGES/TOTALS	766	6.10	146,832	780	34.8	6.84	144,560	712	0.6	7.04	173	0.5	7.02
MAXIMUM	775	6.50	12,695	995	68.1	6.91	11,536	768	1.2	7.09	173	0.8	7.03
MINIMUM	746	5.50	2,397	645	21.4	6.80	1,977	605	0.3	6.99	173	0.2	7.00
3/2/2021													
0:01	784	6.4	9,874	661	33.9	6.8	11,530	767	0.4	7	0	0	0
0:16	782	6.6	9,869	651	33.9	6.8	11,476	766	0.4	7.02	0	0	0
0:31	761	6.3	12,652	659	32.7	6.8	9,450	631	0.9	7.04	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:46	761	6.5	9,901	634	33.8	6.8	11,496	768	0.4	7.02	0	0	0
	1:01	761	6.7	9,853	669	33.8	6.8	11,447	765	0.3	7	0	0	0
	1:16	772	6.3	12,612	662	35.1	6.78	9,418	628	0.9	7.01	0	0	0
	1:31	759	6.5	9,886	644	36.1	6.78	11,496	768	0.4	7	0	0	0
	1:46	748	6.7	9,826	645	38.6	6.78	11,466	765	0.4	7	0	0	0
	2:01	751	5.8	12,602	662	36	6.77	7,813	526	1	7.02	0	0	0
	2:16	0	5.6	9,875	652	34.8	6.77	10,528	699	0.4	7.02	0	0	0
	2:31	0	5.8	2,642	0	36.6	6.77	3,057	766	0.3	7.03	6	0.3	7.04
	5:31	762	6.1	8,317	995	51.2	6.79	7,089	694	0.6	7.03	80	0.4	7.06
	5:46	0	5.5	11,574	649	38.9	6.84	10,499	695	0.5	7.02	0	0	0
	6:01	0	5.8	1,797	0	49	6.83	2,099	763	0.4	7	0	0.4	7
	11:16	0	5.7	1,068	0	37.9	6.68	647	838	0.9	6.93	533	0.7	6.94
	AVERAGES/TOTALS	764	6.15	132,348	682	37.5	6.79	129,511	723	0.5	7.01	619	0.5	7.01
	MAXIMUM	784	6.70	12,652	995	51.2	6.84	11,530	838	1.0	7.04	533	0.7	7.06
	MINIMUM	748	5.50	1,068	634	32.7	6.68	647	526	0.3	6.93	6	0.3	6.94
3/4/2021														
	9:01	779	6.3	3,723	648	221.5	6.91	4,292	860	0.7	6.91	39	0.6	6.89
	9:16	766	6.4	9,828	669	31.3	6.94	11,492	767	0.5	6.97	0	0	0
	9:31	771	6	12,722	664	61.1	6.94	9,267	616	1.7	6.87	0	0	0
	9:46	773	6.2	9,805	647	70.6	6.87	11,466	767	0.6	6.79	0	0	0
	10:01	767	6.4	9,853	669	75.2	6.78	11,467	764	1.4	6.76	0	0	0
	10:16	774	6	12,681	662	75.9	6.71	8,391	671	2.8	6.77	1,846	31.5	6.77
	10:31	767	6.3	9,877	656	75	6.66	11,514	767	0.7	6.75	0	0	0
	10:46	777	6.4	9,817	653	77.2	6.63	11,462	765	1.5	6.75	0	0	0
	11:01	744	6.1	12,660	664	75	6.6	8,330	668	3	6.76	1,856	31.7	6.75
	11:16	750	6.3	9,845	666	73.4	6.59	11,558	769	0.8	6.75	0	0	0
	11:31	764	6.5	9,836	663	76	6.58	11,469	766	1.3	6.75	0	0	0
	11:46	762	6.2	12,619	657	72.4	6.58	8,361	666	2.9	6.75	1,855	31	6.76

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:01	766	6.4	9,839	655	71.1	6.57	11,538	769	0.8	6.74	0	0	0
	12:16	752	6.7	9,197	658	87.4	6.57	6,756	493	1.4	6.74	66	1.2	6.74
	12:31	754	6.4	12,299	668	75.7	6.56	8,259	680	3.2	6.75	2,045	30.8	6.76
	12:46	743	6.5	10,252	652	75.1	6.57	11,320	753	1	6.76	0	0	0
	13:01	763	6.7	9,839	653	76.2	6.57	11,461	764	0.8	6.78	0	0	0
	13:16	753	6.5	11,903	995	73.3	6.59	8,699	698	2	6.8	1,837	24.4	6.81
	13:31	774	6.5	10,571	655	66.5	6.58	11,081	738	0.9	6.83	0	0	0
	13:46	767	6.8	9,833	641	66.9	6.59	11,497	767	0.6	6.83	0	0	0
	14:01	759	6.6	11,575	995	71.7	6.59	9,203	713	1.4	6.81	1,479	18.8	6.81
	14:16	766	6.6	10,907	677	73.7	6.58	10,793	720	1	6.81	0	0	0
	14:31	746	6.8	9,827	642	74.6	6.58	11,516	769	1.5	6.8	0	0	0
	14:46	757	6.7	11,226	995	74	6.6	8,895	746	5.1	6.81	2,239	29.8	6.82
	15:01	758	6.6	11,260	658	68.5	6.6	10,657	710	2.5	6.84	0	0	0
	15:16	0	6.6	9,818	666	66.9	6.61	11,521	768	2.4	6.88	0	0	0
	15:31	0	5.8	11,936	781	63.9	6.65	8,677	697	4.2	6.9	1,822	28.7	6.9
	20:01	0	5.8	4,074	0	63.7	6.66	3,403	679	2.2	6.9	184	1.1	6.9
	20:16	747	6.3	2,403	682	80.6	6.58	2,770	861	2.4	6.85	18	1	6.88
	20:31	756	6.3	9,915	662	45.7	6.63	11,538	772	1.2	6.88	0	0	0
	20:46	742	6.4	9,734	995	60.1	6.66	11,482	765	3.1	6.84	0	0	0
	21:01	753	6	12,658	651	62.9	6.65	8,190	680	3.6	6.82	2,265	29	6.82
	21:16	776	6.2	9,770	640	66.9	6.64	11,510	769	2.8	6.81	0	0	0
	21:31	0	6	8,464	0	69	6.63	9,976	767	5.9	6.83	9	6.4	6.84
	23:01	733	5.9	7,606	995	72.1	6.64	1,731	751	6.1	6.85	5,013	26.5	6.85
	23:16	737	5.7	11,231	662	68.8	6.69	10,838	722	3	6.86	0	0	0
	23:31	728	5.8	9,772	651	80.4	6.69	11,516	767	4.7	6.87	0	0	0
	23:46	734	5.7	10,908	995	78.1	6.68	9,216	750	7.2	6.89	2,063	41.1	6.9

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	758	6.30	380,083	718	74.2	6.65	363,112	735	2.3	6.82	24,636	20.9	6.83
MAXIMUM	779	6.80	12,722	995	221.5	6.94	11,558	861	7.2	6.97	5,013	41.1	6.90
MINIMUM	728	5.70	2,403	640	31.3	6.56	1,731	493	0.5	6.74	9	0.6	6.74
3/5/2021													
0:01	753	6.3	6,725	707	80.7	6.68	3,773	709	4.5	6.91	1,740	12.7	6.9
0:16	737	6.3	10,070	646	77	6.68	11,820	791	3	6.92	0	0	0
0:31	724	6.4	9,766	643	76.5	6.69	11,569	771	5.8	6.91	0	0	0
0:46	0	5.7	9,900	0	80.4	6.67	4,517	722	7.7	6.88	3,854	23.1	6.87
3:01	732	6.3	10,180	658	85.9	6.67	10,395	803	2.1	6.84	1,421	14.8	6.87
3:16	0	5.6	9,797	0	76.3	6.7	11,461	765	4.1	6.81	0	0	0
3:31	0	5.7	219	0	73.5	6.69	191	770	5	6.82	96	5	6.82
5:16	0	5.6	1,525	790	79.2	6.58	0	0	0	0	1,663	33	7.06
5:31	0	5.6	3,029	0	61	6.65	2,940	899	3.6	6.9	519	9	6.93
6:46	0	5.5	6,069	117	168.1	6.96	3,263	778	3.4	6.99	2,078	24.3	6.94
8:31	755	6	483	0	20	6.87	0	0	0	0	0	6.7	6.98
9:01	742	5.7	13,602	715	9.2	5.75	7,421	692	2.5	6.86	4,236	9.3	4.22
9:16	0	5.6	3,027	0	10.4	6.75	3,023	754	2.2	6.89	0	1.2	6.89
10:01	0	6	4,742	655	97.1	6.76	5,577	830	1.3	6.87	0	1.2	6.89
10:16	0	5.7	7,696	0	70.2	6.73	9,010	769	1.6	6.86	0	2.3	6.84
11:01	0	5.5	7,152	0	221.6	6.7	2,695	661	4.4	6.83	2,500	14.3	6.83
11:31	749	6.6	1,959	0	75	6.71	153	585	8	6.83	2,050	21	6.89
12:01	738	6.3	6,026	0	44.2	6.69	6,904	812	1	6.82	120	0.8	6.83
13:31	0	6.8	6,525	664	19.5	6.71	7,601	821	1.3	6.87	73	0.7	6.87
13:46	0	5.6	9,818	662	15.1	6.73	11,581	771	1	6.91	0	0	0
14:01	0	5.6	2,132	0	13.7	6.73	2,516	770	1.1	6.92	0	1.3	6.92

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		741	5.92	130,442	626	69.3	6.67	116,410	762	3.3	6.88	20,350	10.6	6.74
MAXIMUM		755	6.80	13,602	790	221.6	6.96	11,820	899	8.0	6.99	4,236	33.0	7.06
MINIMUM		724	5.50	219	117	9.2	5.75	153	585	1.0	6.81	73	0.7	4.22
3/6/2021														
	0:31	791	6.3	1,918	719	8.9	6.76	1,078	860	4.2	6.92	1,066	9	6.89
	0:46	803	5.9	12,948	648	20.1	6.83	9,040	682	2.6	6.94	1,329	15.9	6.96
	1:01	777	6.1	9,801	640	68.9	6.79	11,553	773	3	6.92	0	0	0
	1:16	786	5.8	11,879	995	70.5	6.78	7,493	741	7	6.94	3,555	30.6	6.95
	1:31	801	5.9	10,609	656	60.4	6.79	11,314	755	2.7	6.96	0	0	0
	1:46	791	6	10,505	995	54.9	6.79	10,044	752	5.2	6.97	1,112	47.3	6.97
	2:01	0	5.7	11,978	658	53.9	6.78	8,675	742	2.9	6.94	2,396	21.8	6.96
	2:16	0	5.9	3,241	0	56.5	6.76	3,859	768	2.9	6.94	0	3.5	6.94
	6:31	800	6.3	2,511	745	45.3	6.73	899	846	6	6.92	1,834	18.1	6.91
	6:46	779	6.4	10,103	656	27.1	6.74	11,900	795	2.9	6.88	0	0	0
	7:01	783	6	12,632	667	52.4	6.67	7,189	715	6	6.82	3,762	30.1	6.81
	7:16	0	5.7	9,812	657	60.7	6.62	11,639	775	3.3	6.76	0	0	0
	23:16	0	5.8	3,235	0	61	6.61	3,834	768	6.3	6.76	0	6.6	6.77
AVERAGES/TOTALS		790	5.98	111,172	731	49.3	6.74	98,517	767	4.2	6.90	15,054	20.3	6.91
MAXIMUM		803	6.40	12,948	995	70.5	6.83	11,900	860	7.0	6.97	3,762	47.3	6.97
MINIMUM		777	5.70	1,918	640	8.9	6.61	899	682	2.6	6.76	1,066	3.5	6.77
3/7/2021														
	0:16	790	6.3	10,013	640	16.8	6.6	9,535	811	2.3	6.77	2,068	26.6	6.72
	0:31	802	5.9	12,760	665	36.8	6.58	7,335	719	3.6	6.78	3,563	27.1	6.8
	0:46	797	6.2	9,772	644	51	6.57	11,583	771	3	6.78	0	0	0
	1:01	793	6.4	9,782	639	52.6	6.55	11,514	768	6.6	6.78	0	0	0
	1:16	793	6.1	12,701	645	50.9	6.55	7,321	719	5.9	6.78	3,513	30.6	6.78
	1:31	795	6.3	9,765	651	51.8	6.55	11,560	770	3.1	6.77	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:46	797	6.6	9,783	632	50.4	6.56	11,518	768	6.5	6.78	0	0	0
	2:01	792	6.3	12,653	662	49	6.57	7,312	718	6.5	6.78	3,517	31.1	6.79
	2:16	803	6.5	9,795	662	49.5	6.57	11,558	771	2.6	6.79	0	0	0
	2:31	792	6.8	9,790	630	45.6	6.58	11,581	769	5.8	6.8	0	0	0
	2:46	0	5.6	12,654	0	44	6.58	7,217	708	6.3	6.8	3,507	29.8	6.8
	3:01	0	5.8	833	0	40.2	6.58	997	794	1.7	6.78	0	1.4	6.78
	4:31	796	6.4	9,204	652	32.4	6.62	10,790	797	1.5	6.79	81	1.3	6.8
	4:46	0	5.9	9,815	646	37	6.63	11,486	768	3.6	6.82	0	0	0
	5:01	0	5.6	5,661	0	36.9	6.63	5,184	744	5.2	6.83	11	48.4	6.85
	6:46	795	6.3	2,571	764	30.4	6.6	0	0	0	0	2,444	37.7	6.83
	7:01	797	6.3	10,234	652	25.5	6.67	11,970	799	2.1	6.83	0	6.4	6.84
	7:16	787	6.5	9,736	655	42.2	6.64	11,512	765	5.1	6.81	0	0	0
	7:31	0	6.5	10,602	995	44.5	6.62	9,781	751	8.2	6.82	1,489	44	6.84
	7:46	0	5.8	8,722	0	42	6.65	5,437	724	2.9	6.85	2,042	19.6	6.85
AVERAGES/TOTALS		795	6.21	186,846	677	41.5	6.60	175,191	760	4.3	6.80	22,235	25.3	6.81
MAXIMUM		803	6.80	12,760	995	52.6	6.67	11,970	811	8.2	6.85	3,563	48.4	6.85
MINIMUM		787	5.60	833	630	16.8	6.55	997	708	1.5	6.77	11	1.3	6.72
3/8/2021														
	0:16	827	6.1	7,145	994	47.3	5.18	3,251	563	2.9	6.87	1,828	0.9	3.23
	0:31	809	6.1	11,012	649	20.9	6.63	10,739	716	2.4	6.94	0	0	0
	0:46	795	6.3	9,718	650	52	6.64	11,480	766	2.4	6.95	0	0	0
	1:01	778	6.2	11,109	995	58	6.66	8,746	747	5.6	6.92	2,459	36.8	6.91
	1:16	807	6.2	11,365	650	51.7	6.67	10,239	746	2.4	6.89	955	12.8	6.9
	1:31	810	6.5	9,782	636	51.2	6.65	11,503	767	3.9	6.89	0	0	0
	1:46	799	6.5	10,665	995	49.6	6.64	9,475	751	7.1	6.87	1,817	45.1	6.87
	2:01	798	6.4	11,696	647	46.5	6.64	9,205	739	2.3	6.87	1,875	16.9	6.87
	2:16	806	6.7	9,754	632	48.8	6.64	11,469	767	3.4	6.87	0	0	0
	2:31	789	6.7	10,355	995	47.1	6.63	10,296	750	6.5	6.86	947	47	6.85

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:46	780	6.6	11,998	630	44.3	6.63	8,408	734	2.2	6.85	2,622	23.2	6.85
	3:01	792	6.9	9,729	634	45.5	6.62	11,529	766	3	6.84	0	0	0
	3:16	800	7	9,981	995	45	6.61	11,085	751	6.2	6.82	187	33.2	6.82
	3:31	793	6.8	12,339	644	42	6.6	7,638	730	2.3	6.82	3,384	29	6.82
	3:46	0	6.3	9,728	658	43.6	6.6	11,477	765	2.8	6.82	0	0	0
	4:01	0	5.7	8,741	0	40.3	6.6	10,263	761	4.7	6.82	3	4.9	6.82
	6:46	811	5.5	11,154	642	29.7	6.64	5,034	648	3.2	6.79	3,635	28.6	6.8
	7:01	0	5.5	9,703	641	33.1	6.62	11,409	763	1.2	6.77	0	0	0
	7:16	0	5.8	1,791	0	40.4	6.59	2,112	764	2.4	6.75	19	2.9	6.75
AVERAGES/TOTALS		800	6.31	187,765	746	44.1	6.55	175,358	737	3.5	6.85	19,731	23.4	6.54
MAXIMUM		827	7.00	12,339	995	58.0	6.67	11,529	767	7.1	6.95	3,635	47.0	6.91
MINIMUM		778	5.50	1,791	630	20.9	5.18	2,112	563	1.2	6.75	3	0.9	3.23
3/9/2021														
	8:46	789	6.4	2,168	717	4.5	5.5	743	991	4	6.64	1,680	10.9	5.41
	9:01	799	6.3	10,464	995	9	6.56	11,260	775	1.3	6.68	361	36.1	6.66
	9:16	800	6.1	12,286	634	40.3	6.54	8,682	700	2.6	6.64	1,897	27.4	6.66
	9:31	802	6.3	9,700	668	55.4	6.47	11,500	765	3.4	6.6	0	0	0
	9:46	797	6.5	9,770	995	53.8	6.44	11,353	762	7	6.6	0	0	0
	10:01	811	6.2	12,646	650	50.1	6.41	7,268	719	3	6.6	3,649	31.2	6.6
	10:16	797	6.5	9,748	656	50.9	6.42	11,504	766	3.3	6.61	0	0	0
	10:31	808	6.8	9,693	995	49.6	6.41	11,446	764	6.8	6.62	0	0	0
	10:46	782	6.4	12,679	640	48.3	6.41	7,135	716	3.6	6.61	3,691	31.5	6.62
	11:01	789	6.7	9,720	651	49.1	6.41	11,493	765	2.7	6.62	0	0	0
	11:16	798	7	9,715	941	50	6.41	11,522	766	6.3	6.64	0	0	0
	11:31	799	6.6	12,682	646	49.2	6.41	7,070	708	4.1	6.64	3,600	31.4	6.64
	11:46	797	6.9	9,725	652	47.3	6.43	11,511	767	2.2	6.64	0	0	0
	12:01	795	7.3	9,723	638	48	6.43	11,489	763	5.5	6.64	0	0	0
	12:16	794	6.9	12,664	633	47.6	6.42	7,197	709	4.4	6.64	3,589	30.5	6.64

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:31	786	7.1	9,739	648	46.3	6.43	11,528	767	1.8	6.64	0	0	0
	12:46	798	7.4	9,728	644	45	6.44	11,468	765	4.4	6.65	0	0	0
	13:01	786	7.1	12,618	643	41	6.45	7,685	702	4.4	6.66	3,004	30.1	6.66
	14:46	787	7.2	8,195	633	45.9	6.62	9,542	797	1.4	6.74	103	1.2	6.17
	15:01	787	7.1	10,711	995	24.2	6.88	9,216	769	1.4	6.85	2,478	25.8	6.84
	15:16	800	6.9	12,261	680	39	6.86	10,585	784	2.1	6.83	1,149	12	6.84
	15:31	797	7	10,138	687	41	6.84	12,039	802	2.2	6.83	0	0	0
	15:46	781	6.7	12,328	836	37.6	6.84	6,914	790	4.1	6.85	4,872	22.3	6.87
	16:01	806	6.6	12,023	749	34.9	6.85	13,270	885	1.6	6.88	0	0	0
	16:16	787	6.6	11,400	887	36	6.86	13,473	897	3.4	6.91	0	0	0
	AVERAGES/TOTALS	795	6.74	262,524	741	41.8	6.51	246,893	776	3.5	6.69	30,073	24.2	6.55
	MAXIMUM	811	7.40	12,682	995	55.4	6.88	13,473	991	7.0	6.91	4,872	36.1	6.87
	MINIMUM	781	6.10	2,168	633	4.5	5.50	743	700	1.3	6.60	103	1.2	5.41
3/12/2021														
	10:01	0	6.6	10,384	0	34.1	6.89	3,781	710	3.3	6.96	4,316	19.6	6.95
	10:16	804	6.4	8,804	672	68.8	7.19	9,176	839	1.9	7	1,018	19.8	6.8
	10:31	799	6.5	10,004	660	21.4	7.2	11,811	787	1.4	7.17	0	0	0
	10:46	785	6.4	11,579	995	29.1	7.2	9,981	699	2.2	7.23	549	12.6	7.24
	11:01	798	6.4	11,257	681	35.1	7.21	11,179	745	1.9	7.26	0	0	0
	11:16	804	6.6	10,032	677	34.8	7.23	11,849	789	1.8	7.29	0	0	0
	11:31	795	6.6	11,248	995	34.2	7.24	9,439	768	3.1	7.3	2,171	28.9	7.31
	11:46	815	6.5	11,543	649	34.2	7.24	11,149	742	2.1	7.3	0	0	0
	12:01	795	6.5	12,307	912	33.2	7.26	10,412	699	2.7	7.33	0	0	0
	12:16	794	6.2	12,474	995	33.5	7.28	10,183	683	2.5	7.35	0	0	0
	12:31	802	6.4	11,223	668	33.5	7.3	11,151	741	1.7	7.37	0	0	0
	12:46	794	6.6	10,024	660	33.3	7.32	11,859	791	1.6	7.39	0	0	0
	13:01	808	6.8	9,996	670	32.8	7.33	11,809	787	2.7	7.41	0	0	0
	13:16	787	6.6	11,523	995	31.9	7.35	9,102	764	4.1	7.42	2,188	24.5	7.43

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:31	792	6.6	11,447	660	31.5	7.36	11,062	733	2	7.43	0	0	0
	13:46	772	6.9	10,043	670	30.2	7.37	11,884	792	1.5	7.44	0	0	0
	14:01	800	6.9	10,948	995	29	7.38	9,983	771	2.4	7.45	1,462	28.3	7.46
	14:16	781	6.8	11,893	667	28	7.38	10,320	715	1.9	7.46	370	10.8	7.46
	14:31	784	6.3	12,786	735	26.5	7.4	9,420	641	2.3	7.48	249	10.2	7.45
	14:46	785	6.4	10,416	662	25.6	7.42	11,217	803	1.5	7.51	995	34.7	7.52
	15:01	787	6.6	9,996	678	25.4	7.43	11,866	790	1.6	7.54	0	0	0
	15:16	0	6.6	12,679	0	24.6	7.45	8,945	664	2.6	7.56	1,113	21.7	7.57
	15:31	0	6.8	725	0	25.8	7.45	797	797	1.5	7.57	103	1.5	7.57
AVERAGES/TOTALS		794	6.57	243,331	765	32.0	7.30	228,375	750	2.2	7.36	14,534	19.3	7.34
MAXIMUM		815	6.90	12,786	995	68.8	7.45	11,884	839	4.1	7.57	4,316	34.7	7.57
MINIMUM		772	6.20	725	649	21.4	6.89	797	641	1.4	6.96	103	1.5	6.80
3/13/2021														
	16:31	801	6.4	5,251	675	11.7	7.31	6,151	855	2.3	7.52	84	1.2	5.6
	16:46	0	6.8	3,827	0	21.8	7.52	4,580	793	1.9	7.58	4	2	7.57
	17:01	792	6.5	2,172	995	59	7.37	2,480	881	2	7.55	90	1.9	7.65
	17:16	785	6.1	12,809	651	63.5	7.29	9,634	642	2.1	7.34	0	0	0
	17:31	777	6.3	9,969	643	85.5	7.21	11,903	792	1.8	7.26	0	0	0
	17:46	794	6.4	9,952	995	82.4	7.17	11,833	790	4.7	7.21	0	0	0
	18:01	786	6.1	12,773	658	79.1	7.14	8,055	712	3.5	7.18	2,659	32.7	7.21
	18:16	789	6.3	9,968	662	82.5	7.04	11,897	794	2.7	7.07	0	0	0
	18:31	767	6.5	9,953	677	77.7	6.96	11,861	792	6.3	6.99	0	0	0
	18:46	792	6.1	12,768	658	73.5	6.92	7,491	731	4.4	6.94	3,471	30.7	6.95
	19:01	798	6.4	9,967	685	75.5	6.88	11,905	793	3	6.89	0	0	0
	19:16	816	6.5	10,070	995	71.8	6.83	11,760	788	7.3	6.85	0	0	0
	19:31	0	5.5	11,771	669	70	6.81	6,323	735	3.5	6.84	3,715	29.6	6.84
	19:46	0	5.9	1,852	0	69.7	6.8	2,196	794	1.9	6.82	0	2.3	6.82
	22:16	805	6.3	9,321	657	48	6.76	9,586	829	2.4	6.82	1,321	11.3	7.02

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:31	779	6.4	10,014	995	53.9	6.73	11,841	788	5.3	6.76	0	0	0
	22:46	802	6	12,855	678	54.2	6.72	7,394	738	4.1	6.75	3,694	29.1	6.75
	23:01	779	6.2	10,016	669	58	6.71	11,844	790	4.2	6.73	0	0	0
	23:16	774	6.4	10,002	672	55.5	6.69	11,802	788	7.5	6.72	0	0	0
	23:31	798	6	12,814	674	53.6	6.7	7,169	748	5.3	6.72	3,976	28.4	6.73
	23:46	798	6.2	10,019	684	55	6.7	11,842	789	3.9	6.73	0	0	0
AVERAGES/TOTALS		791	6.25	198,143	736	62.0	6.96	189,547	779	3.8	7.01	19,014	16.9	6.91
MAXIMUM		816	6.80	12,855	995	85.5	7.52	11,905	881	7.5	7.58	3,976	32.7	7.65
MINIMUM		767	5.50	1,852	643	11.7	6.69	2,196	642	1.8	6.72	4	1.2	5.60
3/14/2021														
	0:01	795	6.5	10,032	675	50.8	6.71	11,802	788	6.8	6.73	0	0	0
	0:16	787	6.1	12,764	662	47.5	6.7	4,448	455	5.7	6.72	3,684	29.1	6.73
	0:31	0	5.7	6,984	695	49.6	6.69	4,185	433	2.9	6.72	97	3	6.72
	0:46	0	5.7	3,133	0	43.2	6.69	3,464	773	3.5	6.73	24	4	6.73
	2:46	807	6.2	8,662	692	32.3	6.69	7,485	829	3.4	6.7	2,067	16.5	6.71
	3:01	805	5.7	12,949	713	34.9	6.68	7,309	717	4.8	6.71	3,645	26	6.72
	3:16	815	5.8	10,374	692	41.6	6.68	11,721	783	3.1	6.72	0	0	0
	3:31	796	6	10,312	677	41.6	6.69	11,649	776	5.9	6.72	0	0	0
	3:46	797	5.6	12,783	702	39.7	6.69	7,213	716	7	6.73	3,797	27.4	6.74
	4:01	782	5.7	10,453	672	41.6	6.69	11,814	789	3.4	6.73	0	0	0
	4:16	805	5.9	10,254	677	44.3	6.7	11,633	775	6.2	6.74	0	0	0
	4:31	799	5.6	12,488	728	43.3	6.71	7,296	733	7.9	6.75	3,823	28.5	6.76
	4:46	796	5.7	10,689	679	46.8	6.73	11,597	773	3.5	6.77	0	0	0
	5:01	0	5.9	4,927	0	46.9	6.74	5,433	774	5.4	6.78	179	5.9	6.78
	7:16	792	6.2	9,859	695	31.5	6.75	8,347	836	3.7	6.8	2,472	21.3	6.8
	7:31	0	5.6	7,588	0	33.7	6.73	3,066	762	4.6	6.79	3,366	21.1	6.79
	7:46	778	6.2	2,190	780	32.6	6.71	498	995	4.2	6.77	1,781	20.4	6.78
	8:01	796	5.7	12,939	787	33.3	6.71	8,457	760	3.3	6.77	2,896	21.4	6.77

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:16	795	5.7	10,857	692	38.2	6.71	11,849	786	3.2	6.76	0	0	0
	8:31	801	5.9	10,411	689	39.6	6.71	11,711	784	5.4	6.77	0	0	0
	8:46	806	5.5	12,272	850	39	6.73	7,522	754	7.1	6.77	3,864	26.3	6.79
	9:01	787	6.2	7,410	697	40.2	6.73	7,340	787	3.7	6.79	66	2.3	6.79
	9:16	787	6.3	10,449	678	40.9	6.75	11,838	790	4.4	6.8	0	0	0
	9:31	797	6.3	10,385	995	38.5	6.76	11,816	786	6.4	6.81	0	0	0
	9:46	795	5.9	12,954	695	37.1	6.76	7,541	734	3.7	6.81	3,699	26.2	6.81
	10:01	0	5.9	6,359	0	36.8	6.76	7,083	785	3.2	6.81	173	3.8	6.8
	10:46	0	5.7	6,179	0	29.3	6.77	5,166	864	3.7	6.81	1,532	11.9	6.8
	11:16	794	6.3	8,026	690	31.3	6.76	9,029	821	3.8	6.8	34	2.7	6.82
	11:31	771	5.7	13,037	701	34.6	6.75	7,658	732	4.3	6.79	3,462	24.8	6.79
	11:46	786	5.9	10,354	695	36.4	6.75	11,761	784	3.3	6.79	0	0	0
	12:01	0	5.6	10,374	683	37.4	6.75	11,753	784	5.4	6.79	0	0	0
	12:16	0	5.9	2,265	0	37.1	6.76	2,549	782	6.6	6.8	24	6.7	6.8
	12:31	0	5.6	2,131	995	34.9	6.78	518	681	8.7	6.82	1,247	35.3	6.8
	12:46	0	5.5	3,463	0	29.7	6.78	669	654	6.5	6.81	1,599	9.6	6.81
	13:01	816	6.2	746	813	35	6.78	799	808	7.1	6.83	21	5.8	6.83
	13:16	806	6.3	11,046	695	32.5	6.77	11,609	815	2.5	6.8	746	12.7	6.83
	13:31	799	6.4	10,353	687	35.8	6.75	11,743	783	4.6	6.79	0	0	0
	13:46	791	5.9	11,087	128	36.1	6.75	8,047	762	6.2	6.79	2,776	23.6	6.79
	14:01	0	5.7	6,550	0	37	6.76	5,342	850	3.5	6.79	1,492	10.6	6.8
	14:46	801	6.3	8,322	686	34.5	6.77	9,398	819	3.4	6.79	0	3.2	6.82
	15:01	776	6.4	10,387	692	40.1	6.76	11,789	784	5.4	6.8	0	0	0
	15:16	0	5.7	9,450	0	38.7	6.76	5,865	756	7	6.79	2,719	18.5	6.79
	15:31	794	6	36	0	38.5	6.75	0	0	0	0	0	7.7	6.8
	15:46	0	5.6	6,493	0	35	6.76	5,630	857	2.6	6.79	1,524	15.4	6.8
	16:31	806	6.3	8,539	680	38.1	6.76	9,635	819	3.4	6.79	40	2.5	6.8
	16:46	810	6.4	10,371	693	45	6.78	11,747	784	6.2	6.82	0	0	0
	17:01	796	5.9	12,892	706	45.2	6.81	7,218	721	7.1	6.85	3,791	26	6.86

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:16	787	6	10,515	708	49.2	6.81	11,905	795	3.3	6.86	0	0	0
	17:31	0	5.8	8,973	0	47.3	6.82	10,170	783	5	6.86	15	5.6	6.84
	18:31	787	6.2	7,224	995	41	6.82	5,334	863	4.5	6.86	2,488	20.8	6.87
	18:46	788	5.6	13,067	691	42.3	6.78	8,010	728	3.7	6.82	3,095	25.7	6.84
	19:01	776	5.8	10,378	691	44.4	6.73	11,748	783	3.7	6.78	0	0	0
	19:16	784	5.9	10,334	995	46.6	6.71	11,736	782	5.9	6.75	0	0	0
	19:31	797	5.5	13,020	686	48.4	6.71	7,473	734	5	6.75	3,660	25.8	6.75
	19:46	775	5.7	10,324	698	51.7	6.71	11,791	783	4.6	6.74	0	0	0
	20:01	0	5.6	10,341	682	52.7	6.71	11,758	782	7.1	6.74	0	0	0
	20:16	0	5.7	3,422	0	51.8	6.71	2,266	717	8.4	6.74	0	49.7	6.74
	20:46	799	6.2	9,600	691	49.4	6.71	8,331	834	3.8	6.72	2,260	39.1	6.74
	21:01	788	6.3	10,396	673	55.1	6.72	11,736	782	7	6.74	0	0	0
	21:16	0	5.7	10,475	0	57	6.73	3,914	782	9.4	6.75	7,032	21.6	6.76
	22:31	0	6.4	4,069	0	50.9	6.75	0	0	0	0	4,116	16.9	6.78
	22:46	809	5.7	9,677	714	48.3	6.74	2,650	696	5.5	6.76	5,027	22	6.76
	23:01	787	5.7	10,476	693	52.7	6.71	11,845	793	2.6	6.74	0	0	0
	23:16	786	5.8	10,309	685	55.5	6.69	11,693	780	5.3	6.72	0	0	0
	23:31	791	5.5	12,687	728	57.5	6.7	7,182	721	7	6.73	3,851	27.6	6.73
	23:46	800	6.3	6,103	684	61.7	6.71	6,708	836	3.6	6.74	68	2	6.74
AVERAGES/TOTALS		794	5.91	593,968	713	42.0	6.74	518,292	770	5.0	6.77	88,252	17.6	6.78
MAXIMUM		816	6.50	13,067	995	61.7	6.82	11,905	995	9.4	6.86	7,032	49.7	6.87
MINIMUM		771	5.50	36	128	29.3	6.68	498	433	2.5	6.70	15	2.0	6.71
3/15/2021														
	0:01	806	6.4	10,331	700	57.3	6.71	11,722	784	4.8	6.74	0	0	0
	0:16	780	6.4	10,409	995	56.1	6.71	11,600	779	6.6	6.72	0	0	0
	0:31	806	6	12,879	691	55.8	6.7	7,443	734	3.6	6.71	3,828	26.6	6.72
	0:46	803	6.2	10,335	678	58.6	6.69	11,726	782	4.2	6.7	0	0	0
	1:01	0	6.3	10,319	995	60.5	6.7	11,742	782	6.6	6.7	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:16	0	5.7	7,419	0	59.5	6.7	1,593	643	7.2	6.71	3,849	21.9	6.72
	1:46	786	6.3	4,595	680	54.2	6.71	5,079	843	2.8	6.73	97	4.4	6.74
	2:01	787	6.4	10,338	676	57.7	6.71	11,687	781	2.7	6.72	0	0	0
	2:16	0	5.9	10,288	685	61.1	6.71	11,718	782	5.5	6.72	0	0	0
	2:31	0	5.6	5,067	0	58.6	6.71	2,520	715	6.8	6.72	1,403	29.9	6.73
	3:16	789	6.2	4,373	685	54.6	6.73	3,016	929	2.1	6.74	1,733	29.6	6.76
	3:31	788	6.3	10,382	682	59.5	6.72	11,757	785	2.9	6.73	0	0	0
	3:46	0	6.3	10,306	708	63.7	6.71	11,686	780	6.2	6.72	0	0	0
	4:01	0	5.6	8,511	0	63.2	6.71	6,617	756	8	6.72	1,363	36.4	6.74
	4:16	0	5.6	167	0	61.4	6.71	0	0	0	0	0	37.3	6.74
	4:46	792	6.3	1,910	797	61.2	6.72	0	0	0	0	1,948	39.9	6.76
	5:01	797	6.3	10,838	674	59.3	6.72	12,188	814	2.6	6.73	0	5.2	6.74
	5:16	808	6.4	10,294	685	63.6	6.71	11,667	777	5.5	6.72	0	0	0
	5:31	0	5.6	11,372	133	64.7	6.7	9,108	759	7.6	6.71	2,281	36.5	6.71
	5:46	0	5.7	1,284	0	63.2	6.69	0	0	0	0	615	22.6	6.74
	6:16	0	5.6	6,625	0	34.6	6.69	5,142	861	2.3	6.73	2,069	34.5	6.81
	7:16	788	6.3	9,275	683	24.5	6.7	10,510	812	3.3	6.73	0	2.4	6.72
	7:31	799	6.4	10,316	680	28.4	6.68	11,637	778	5.4	6.72	0	0	0
	7:46	804	5.9	13,086	705	28.1	6.68	7,533	735	4.5	6.76	3,757	24.5	6.74
	8:01	806	6.1	10,322	697	30.3	6.68	11,703	781	2.7	6.74	0	0	0
	8:16	785	6.3	10,290	689	29.5	6.68	11,671	776	5	6.74	0	0	0
	8:31	802	5.9	12,850	702	28.6	6.68	7,735	722	5.9	6.74	3,268	25.9	6.74
	8:46	786	6	10,313	680	29.4	6.68	11,723	780	2.5	6.72	0	0	0
	9:01	0	5.7	10,265	0	27.3	6.67	11,665	776	4.6	6.71	0	0	0
	9:16	0	6.1	336	995	26.4	6.67	390	774	5.3	6.71	0	5.3	6.71
	9:31	789	5.9	7,957	874	22.6	6.66	2,686	818	5.9	6.7	4,237	26.8	6.75
	9:46	802	6	11,015	667	27.4	6.67	11,355	809	3.3	6.73	995	26	6.69
	10:01	795	6.1	10,255	694	28.7	6.68	11,640	776	5.9	6.72	0	0	0
	10:16	0	5.8	9,140	0	34.5	6.68	5,582	769	7.5	6.71	4,260	23.5	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:01	796	5.8	8,871	828	24.8	6.76	1,592	636	6	6.79	5,293	22.3	6.79
	11:16	789	5.7	10,858	693	27	6.74	11,736	791	2.7	6.76	249	9.6	6.79
	11:31	781	5.9	10,266	672	29	6.71	11,656	776	4.8	6.72	0	0	0
	11:46	797	5.5	12,254	802	30	6.69	7,337	757	6.8	6.72	4,050	22.7	6.73
	12:01	0	5.8	8,065	0	30.6	6.71	8,219	762	3.3	6.74	18	3.2	6.72
	12:31	799	6.3	8,350	698	26.1	6.72	7,930	834	3.5	6.73	1,291	9.7	6.71
	12:46	785	6.2	10,304	686	29.1	6.71	11,689	778	5.3	6.74	0	0	0
	13:01	795	5.6	12,907	667	29	6.72	7,482	730	4.8	6.75	3,699	25	6.75
	13:16	803	6.1	8,176	730	31	6.71	7,283	792	2.9	6.75	1,744	12.1	6.77
	13:31	799	6.3	10,524	693	31.7	6.71	11,940	795	5	6.75	0	0	0
	13:46	779	5.9	12,603	706	30	6.71	7,233	724	6.6	6.74	3,886	25.9	6.75
	14:01	800	5.9	10,593	704	37.4	6.71	11,714	777	3.2	6.74	0	0	0
	14:16	0	5.7	10,252	667	35.7	6.71	11,640	777	5.3	6.73	0	0	0
	14:31	0	5.8	3,962	0	34.2	6.71	4,464	774	6.8	6.73	69	7.1	6.73
	15:01	792	5.6	11,541	684	29.2	6.72	2,461	466	5	6.75	5,653	25.3	6.72
	15:16	797	6.3	4,654	700	36.3	6.73	0	0	2	6.75	0	1.8	6.8
	15:31	0	5.7	9,206	0	42.4	6.76	0	0	4.2	6.78	0	5.2	6.8
	16:01	793	6.2	1,927	708	35	6.79	2,172	891	0.5	6.83	64	4.1	6.88
	16:16	781	6.1	10,795	995	33	6.78	10,986	771	1.4	6.81	594	43.9	6.83
	16:31	791	5.7	12,573	700	39.9	6.8	8,289	755	3.3	6.83	3,152	25	6.84
	16:46	789	5.9	10,292	692	40.1	6.79	11,721	779	4.2	6.82	0	0	0
	17:01	791	5.9	10,407	995	40.3	6.78	11,592	774	6.9	6.82	0	0	0
	17:16	794	5.6	12,824	699	39	6.78	7,401	740	3.5	6.81	3,869	28.6	6.82
	17:31	777	5.8	10,350	704	38	6.8	11,733	781	3.9	6.83	0	0	0
	17:46	802	5.9	10,316	995	40.2	6.8	11,708	779	6.8	6.83	0	0	0
	18:01	806	5.5	12,907	696	39.3	6.81	7,160	746	4.1	6.83	4,250	26.1	6.83
	18:16	801	6.1	6,554	0	36.5	6.82	7,402	780	3.3	6.84	9	4.1	6.85
	18:31	791	6	6,277	0	35.8	6.82	4,462	855	4.6	6.85	2,291	17.2	6.84
	18:46	802	5.9	7,281	685	33.7	6.82	4,736	862	5.1	6.84	3,055	14.7	6.85

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:01	789	5.9	12,163	0	31.2	6.8	6,427	714	5.6	6.82	3,907	26	6.82
	19:16	0	5.7	5,601	0	40.9	6.8	6,305	820	3.3	6.83	0	5.1	6.91
	19:31	806	6.1	395	0	35.8	6.8	395	782	3.8	6.83	80	3.8	6.83
	19:46	792	6.2	7,512	702	32.1	6.79	6,944	840	3.2	6.82	1,302	12.7	6.81
	20:01	802	6	11,636	995	28.2	6.78	8,630	764	4.4	6.82	2,845	28.3	6.82
	20:16	801	5.8	11,681	669	31.5	6.79	10,478	761	3	6.82	982	13.2	6.82
	20:31	0	5.7	10,335	692	35.3	6.79	11,760	784	4.4	6.83	0	0	0
	20:46	0	5.8	3,095	0	34.3	6.8	3,484	781	5.9	6.84	0	6.1	6.84
	21:16	0	5.5	7,255	123	25.4	6.81	3,907	826	4.4	6.84	2,756	37.8	6.89
	21:31	799	6.2	291	0	22.6	6.8	0	0	0	0	0	50.2	6.92
	21:46	798	6.2	8,491	682	26.4	6.8	5,959	854	2.8	6.83	2,941	32.7	6.88
	22:01	802	6.3	10,337	675	29.2	6.78	11,723	782	4.5	6.81	0	0	0
	22:16	786	6.3	10,332	995	30.9	6.78	11,758	783	7.1	6.82	0	0	0
	22:31	791	6	13,008	711	30.5	6.78	7,177	736	3.8	6.82	4,088	27	6.82
	22:46	794	6.2	10,288	696	30.9	6.78	11,699	779	3.7	6.81	0	0	0
	23:01	0	6	7,704	0	29	6.77	8,592	781	5.4	6.8	192	5.9	6.79
	23:46	799	5.9	8,586	995	20.9	6.76	2,374	786	5.9	6.79	5,308	25	6.79
AVERAGES/TOTALS		795	5.98	708,061	726	38.7	6.74	615,191	776	4.6	6.77	103,340	20.5	6.78
MAXIMUM		808	6.40	13,086	995	64.7	6.82	12,188	929	8.0	6.85	5,653	50.2	6.92
MINIMUM		777	5.50	167	123	20.9	6.66	390	466	0.5	6.70	9	1.8	6.69
3/16/2021														
	0:01	802	5.7	11,641	685	25.2	6.75	10,706	751	2.9	6.77	592	12.3	6.78
	0:16	804	5.8	10,290	688	28.2	6.73	11,700	780	4.2	6.76	0	0	0
	0:31	796	5.7	11,281	995	29.9	6.73	9,342	759	6.3	6.76	2,178	36.3	6.76
	0:46	797	5.5	12,114	686	29.2	6.74	9,550	763	3.6	6.77	2,005	14.4	6.77
	1:01	806	5.7	10,296	697	27.4	6.74	11,645	777	4.3	6.77	0	0	0
	1:16	0	5.8	5,157	0	26.5	6.74	5,843	778	5.6	6.77	16	5.9	6.77
	1:46	789	5.7	9,321	123	21	6.76	2,794	791	6.3	6.77	5,400	24.8	6.77

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:01	783	6.3	4,983	671	25.6	6.75	3,317	865	4	6.78	1,392	7.6	6.8
	2:16	800	6.3	10,338	681	26.9	6.75	11,793	784	3.3	6.76	0	0	0
	2:31	0	6.2	10,299	995	25.9	6.73	11,654	779	5.4	6.76	0	0	0
	2:46	0	5.7	8,626	695	24.3	6.73	2,428	684	5.6	6.76	2,451	17.9	6.78
	3:01	0	5.9	4,930	707	24.6	6.73	5,449	807	3.2	6.76	46	2.7	6.76
	9:16	798	5.9	9,366	681	17.2	6.76	8,499	816	2.3	6.79	1,712	15.4	6.63
	9:31	775	6	10,280	697	19.9	6.84	11,410	762	2.7	6.83	0	0	0
	9:46	802	5.5	13,332	678	30.6	6.84	6,531	725	4.7	6.82	4,849	22.3	6.83
	10:01	781	6.3	6,193	692	38.8	6.84	6,814	804	3.9	6.82	49	3	6.82
	10:16	791	6.4	10,296	672	38.8	6.84	11,482	764	6.2	6.83	0	0	0
	10:31	788	6.1	11,823	995	37.6	6.84	7,716	747	8.3	6.84	3,572	31.4	6.84
	10:46	798	6.2	9,362	480	38.7	6.84	1,622	171	4.2	6.84	925	8.1	6.92
	11:01	0	6.6	3,892	0	40.7	6.85	4,368	796	3.2	6.93	99	4.4	7.06
	11:46	805	6	5,283	995	30.5	6.85	0	0	0	0	4,026	18.1	6.84
	12:01	784	5.8	11,519	667	33.5	6.86	9,145	794	4.1	6.84	2,619	8.5	6.84
	12:16	788	5.9	10,042	672	45.6	6.86	11,312	754	4	6.86	0	0	0
	12:31	807	5.9	11,284	995	47.7	6.87	8,682	738	6.3	6.87	2,448	37.3	6.87
	12:46	798	5.7	12,113	657	50.9	6.87	8,289	790	3.8	6.87	3,615	14.3	6.87
	13:01	793	5.9	10,041	679	48.8	6.88	11,371	758	5.8	6.87	0	0	0
	13:16	778	5.9	10,885	995	46	6.89	9,449	742	8.5	6.87	1,696	40.1	6.88
	13:31	774	5.6	12,275	669	50.2	6.9	8,236	768	3.8	6.88	3,353	16.6	6.88
	13:46	796	5.9	10,007	668	52.9	6.9	11,348	757	4.4	6.88	0	0	0
	14:01	784	5.9	10,602	995	48.8	6.92	10,238	744	7.4	6.9	953	46.8	6.9
	14:16	787	5.6	12,422	657	67	6.93	8,053	747	3.8	6.92	3,255	20.2	6.91
	14:31	809	5.5	12,282	875	49.4	6.93	6,262	758	3.5	6.91	5,215	19.5	6.92
	14:46	839	5.6	10,849	619	50.7	6.94	11,223	811	3.2	6.92	498	10.2	6.93
	15:01	856	5.7	11,284	968	49.1	6.93	7,304	735	4.2	6.92	4,980	16.7	6.92
	15:16	869	5.4	13,670	934	64.1	6.93	1,743	701	6.7	6.91	10,058	15	6.92
	15:31	829	6.1	7,107	718	54.4	6.93	7,358	943	3.8	6.9	344	6.3	6.9

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:46	829	6.3	10,426	703	55.6	6.93	11,764	785	4.2	6.9	0	0	0
	16:01	815	6.3	10,645	995	50.8	6.94	11,487	771	7.9	6.93	0	0	0
	16:16	827	6	13,034	703	47.2	6.96	7,491	743	3.7	6.95	3,825	27.2	6.95
	16:31	831	6.2	10,637	698	49.4	6.96	11,656	777	3.5	6.95	0	0	0
	16:46	820	6.3	10,598	995	49.9	6.98	11,663	776	6.4	6.95	0	0	0
	17:01	814	6	13,074	708	46.4	6.99	7,291	726	4.1	6.97	3,831	26.8	6.96
	17:16	839	6.1	10,604	692	47.6	6.99	11,658	777	2.8	6.97	0	0	0
	17:31	811	6.3	10,578	995	45.4	7.01	11,651	777	5.3	6.97	0	0	0
	17:46	812	5.9	13,073	694	48.6	7.02	7,282	724	4.4	6.98	3,809	26.1	6.98
	18:01	812	6.1	10,577	728	45.6	7.02	11,598	776	2.6	6.97	0	0	0
	18:16	838	6.4	10,623	712	43.7	7.03	11,652	776	5	6.97	0	0	0
	18:31	811	5.9	13,056	703	45.1	7.03	7,259	725	5	6.97	3,852	25.7	6.97
	18:46	810	6.1	10,638	717	44.3	7.02	11,655	775	2.7	6.95	0	0	0
	19:01	836	6.3	10,590	695	42.9	7.01	11,589	774	5.3	6.97	0	0	0
	19:16	807	5.9	13,040	698	40.1	7.01	7,265	723	5.5	6.98	3,823	25.5	6.98
	19:31	825	6.1	10,590	714	41.7	6.99	11,640	776	2.4	6.97	0	0	0
	19:46	809	6.3	10,627	724	39.4	6.98	11,669	775	4.7	6.97	0	0	0
	20:01	814	5.9	13,050	704	38	6.96	7,375	718	5.7	6.96	3,642	25.7	6.96
	20:16	828	6.1	10,602	691	39.8	6.96	11,640	776	2.2	6.95	0	0	0
	20:31	819	6.3	10,578	696	37.6	6.95	11,582	774	4.4	6.94	0	0	0
	20:46	829	5.9	13,002	722	37.3	6.95	7,372	715	6	6.94	3,608	25.4	6.94
	21:01	836	6.1	10,625	691	37.1	6.95	11,666	776	2.3	6.93	0	0	0
	21:16	820	6.3	10,570	693	36.5	6.95	11,597	773	4.3	6.92	0	0	0
	21:31	815	6	12,903	720	35.8	6.94	7,301	708	6	6.92	3,617	25.3	6.92
	21:46	826	6.1	10,668	696	36.6	6.94	11,695	781	2.5	6.92	0	0	0
	22:01	817	6.3	10,592	730	35.5	6.93	11,600	772	4.1	6.92	0	0	0
	22:16	810	6	12,652	747	35.7	6.94	7,583	724	6.1	6.92	3,431	25.8	6.93
	22:31	825	6.1	10,914	705	37.2	6.95	11,565	767	2.4	6.94	0	0	0
	22:46	807	6.3	10,562	698	35.5	6.95	11,535	771	3.8	6.93	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:01	828	6	12,347	864	32.9	6.94	7,755	739	5.6	6.92	3,425	25.5	6.91
	23:16	811	6.1	11,193	703	34.3	6.93	11,352	753	2.9	6.9	0	0	0
	23:31	813	6.3	10,549	701	35	6.93	11,554	770	4	6.9	0	0	0
	23:46	829	6.1	12,085	995	35.4	6.93	8,056	747	5.9	6.9	3,232	27.2	6.92
AVERAGES/TOTALS		811	6.00	730,787	745	39.6	6.90	622,174	757	4.5	6.89	108,441	20.1	6.88
MAXIMUM		869	6.60	13,670	995	67.0	7.03	11,793	943	8.5	6.98	10,058	46.8	7.06
MINIMUM		774	5.40	3,892	123	17.2	6.73	1,622	171	2.2	6.76	16	2.7	6.63
3/17/2021														
	0:01	815	6.1	11,486	712	35.9	6.93	11,073	749	2.8	6.92	199	9.5	6.92
	0:16	819	6.3	10,507	701	34.1	6.94	11,592	770	3.5	6.92	0	0	0
	0:31	806	6.1	11,743	995	35.1	6.94	8,666	750	5.5	6.91	2,643	28.2	6.91
	0:46	813	6	11,764	703	38	6.94	10,379	739	3	6.92	753	14.8	6.92
	1:01	821	6.3	10,549	698	34.7	6.94	11,537	769	3.3	6.92	0	0	0
	1:16	805	6.2	11,466	995	34.4	6.94	9,225	751	5.2	6.92	2,049	33.6	6.92
	1:31	805	6	12,001	703	34.7	6.94	9,830	737	3.1	6.92	1,327	13.3	6.92
	1:46	830	6.3	10,533	708	35.8	6.94	11,515	767	3.1	6.92	0	0	0
	2:01	807	6.3	11,152	995	35.1	6.94	9,974	752	5	6.92	1,297	40.8	6.92
	2:16	806	6.1	12,290	697	34.7	6.95	9,157	730	3.1	6.93	1,890	15.9	6.93
	2:31	831	6.3	10,437	696	34.2	6.94	11,523	769	2.9	6.92	0	0	0
	2:46	820	6.3	10,840	995	34	6.94	10,726	751	4.9	6.91	523	42.8	6.91
	3:01	822	6	12,587	680	34	6.94	8,434	727	3.3	6.9	2,664	22.4	6.91
	3:16	790	6.3	10,515	696	33.6	6.92	11,522	766	3	6.89	0	0	0
	3:31	799	6.4	10,561	995	34.4	6.91	11,373	763	4.9	6.89	0	0	0
	3:46	822	6.1	12,907	688	33.7	6.9	7,546	710	3.6	6.88	3,391	24.4	6.89
	4:01	799	6.3	10,498	684	32.3	6.9	11,470	766	2.9	6.87	0	0	0
	4:16	802	6.4	10,440	995	32.5	6.89	11,502	766	4.8	6.85	0	0	0
	4:31	812	6.1	12,940	692	40.7	6.89	7,645	704	4	6.86	3,190	24.4	6.86
	4:46	806	6.3	10,443	683	32.5	6.89	11,495	765	2.9	6.85	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:01	803	6.5	10,402	995	33.1	6.89	11,437	764	4.6	6.85	0	0	0
	5:16	794	6.1	12,937	694	37.9	6.89	7,590	702	4.4	6.85	3,142	24.1	6.85
	5:31	811	6.3	10,440	680	31.5	6.88	11,481	764	2.7	6.84	0	0	0
	5:46	793	6.5	10,403	716	30.9	6.88	11,466	763	4.3	6.85	0	0	0
	6:01	806	6.1	12,919	688	32.3	6.88	7,679	697	4.6	6.85	3,054	24	6.85
	6:16	819	6.3	10,396	690	31.2	6.87	11,447	763	2.5	6.84	0	0	0
	6:31	798	6.5	10,435	689	31.3	6.87	11,461	763	4.2	6.84	0	0	0
	6:46	796	6.1	12,907	692	31.7	6.87	7,506	695	4.8	6.85	3,140	23.4	6.84
	7:01	802	6.3	10,416	690	31.6	6.87	11,437	763	2.4	6.84	0	0	0
	7:16	789	6.5	10,411	692	32	6.87	11,385	761	3.9	6.85	0	0	0
	7:31	792	6.2	12,920	694	31.7	6.87	7,901	689	5	6.85	2,679	23.6	6.85
	7:46	800	6.3	10,355	699	31.7	6.87	11,463	763	2.2	6.84	0	0	0
	8:01	795	6.6	10,398	698	31.9	6.87	11,398	761	3.6	6.84	0	0	0
	8:16	0	5.7	10,403	0	31.9	6.87	6,087	696	5.1	6.85	2,451	16.3	6.85
	8:46	801	6.3	4,142	704	35.4	6.87	3,668	866	3.1	6.86	774	11.5	6.87
	9:01	0	6.3	10,451	698	34.9	6.87	11,433	763	1.8	6.85	0	0	0
	9:16	0	5.8	7,829	0	32.7	6.87	8,540	760	3.3	6.85	136	3.7	6.85
	9:31	791	6.3	4,516	693	32.7	6.87	3,246	874	4.6	6.84	1,531	17.5	6.85
	9:46	787	5.8	12,988	710	38.3	6.87	8,226	686	3.8	6.85	2,311	23.3	6.85
	10:01	797	5.8	10,349	685	36.2	6.87	11,387	760	2.2	6.84	0	0	0
	10:16	0	5.8	10,279	686	37.6	6.87	11,419	761	3.9	6.84	0	0	0
	10:31	0	5.7	9,296	0	36.7	6.87	5,164	772	4.5	6.84	2,852	20.4	6.85
	10:46	0	5.7	549	0	34.9	6.87	607	803	2.2	6.85	8	2.1	6.84
	11:46	807	6.4	10,494	685	41.7	6.89	11,608	788	2.7	6.87	0	2.7	6.88
	12:01	803	6.5	10,343	687	43.4	6.89	11,409	760	4.3	6.87	0	0	0
	12:16	788	6.1	12,315	790	43.9	6.89	7,786	718	5.8	6.87	3,232	23.7	6.87
	12:31	0	5.8	10,919	688	44.7	6.88	11,233	750	2.5	6.86	0	0	0
	12:46	0	5.9	4,640	0	44.5	6.87	4,953	759	3	6.85	190	3.3	6.85
	13:16	789	6.2	4,984	696	53.3	6.88	558	139	4.1	6.86	87	14.9	6.86

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:31	792	6.1	11,432	995	48.7	6.88	0	0	3.9	6.86	0	31.4	6.86
	13:46	782	5.8	11,895	678	54.4	6.89	0	0	3.1	6.86	0	13.3	6.86
	14:01	0	5.8	10,260	687	52.5	6.9	0	0	3.3	6.86	0	0	0
	14:16	791	5.5	9,568	995	55.6	6.9	4,058	393	4.7	6.87	2,239	20.5	6.87
	14:31	790	6.2	8,177	34	56.1	6.9	1,625	536	5.8	6.88	3,764	23.3	6.88
	14:46	780	5.9	10,823	995	64.9	6.9	0	0	0	0	88	7.1	6.87
	15:01	788	5.6	12,568	995	56.6	6.9	0	0	1.7	6.92	0	7.2	6.9
	15:16	802	5.6	10,674	995	74.1	6.91	0	0	4.9	6.9	0	22.5	6.91
	15:31	783	6.2	6,284	726	61.6	6.92	0	0	5.1	6.94	0	14.8	6.93
	15:46	771	6.3	10,401	694	63.5	6.94	0	0	2.6	6.96	0	0	0
	16:01	774	6.4	10,249	995	60.6	6.96	0	0	4.3	6.96	0	0	0
	16:16	784	6	12,877	683	60.4	6.97	0	0	3.8	6.96	0	25.4	6.96
	16:31	782	6.1	10,262	674	62.5	6.97	0	0	1.9	6.96	0	0	0
	16:46	792	6.2	10,482	995	63.5	6.99	0	0	3.7	6.97	0	0	0
	17:01	772	5.9	12,657	695	65.9	7.01	0	0	2.9	6.98	0	24.6	6.98
	17:16	763	6.1	10,250	659	67.3	7.01	0	0	2.2	6.98	0	0	0
	17:31	782	6	11,121	995	68.5	6.99	0	0	4.1	6.98	0	34.6	6.98
	17:46	779	5.8	11,876	669	69.9	6.99	0	0	2.6	7	0	13.4	6.99
	18:01	792	6	10,190	685	70.6	7.01	0	0	2.4	7	0	0	0
	18:16	790	5.8	11,812	995	72.7	7.01	0	0	4.2	7.01	0	26	7.02
	18:31	781	5.8	11,102	687	74.1	7.02	0	0	2.2	7.01	0	7.7	7.01
	18:46	778	6	10,177	681	76.4	7.01	0	0	2.8	7	0	0	0
	19:01	805	5.7	12,599	681	77.8	7.01	0	0	4.7	7.01	0	24.6	7.01
	19:16	791	5.8	10,372	683	80.9	7.01	0	0	1.8	7.02	0	0	0
	19:31	766	6	10,157	682	83	7.01	0	0	3	7.02	0	0	0
	19:46	796	5.8	11,526	668	85.3	7	2,217	248	5	7.01	3,778	19	7
	20:01	795	5.9	10,185	671	85	6.99	11,271	751	2	6.98	0	0	0
	20:16	784	6.1	10,130	681	85.7	6.98	11,204	745	3.3	6.97	0	0	0
	20:31	778	5.7	12,773	667	86.6	6.96	7,168	686	4.6	6.97	3,385	24.8	6.97

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:46	746	5.9	10,092	671	87.8	6.95	11,159	745	1.7	6.95	0	0	0
	21:01	772	6.1	10,084	662	89.4	6.95	11,153	744	3.4	6.95	0	0	0
	21:16	763	5.7	12,746	667	90.8	6.93	7,346	681	3.8	6.95	3,175	24.7	6.95
	21:31	0	5.5	10,078	663	92.3	6.93	11,156	744	1.9	6.94	0	0	0
	21:46	0	5.9	1,670	0	93.4	6.93	1,859	743	2.8	6.94	0	3	6.94
	22:01	0	5.6	3,522	687	101.3	6.93	2,192	881	4.9	6.93	1,527	16.1	6.93
	22:16	0	5.6	2,642	0	95.7	6.92	2,904	776	2.3	6.93	3	2.6	6.93
	22:46	783	6.2	3,479	995	101.8	6.92	2,410	887	5.5	6.92	1,262	11.2	6.92
	23:01	777	5.7	12,794	670	99.5	6.91	7,640	694	3	6.91	3,011	20.9	6.92
	23:16	779	5.9	9,992	663	102.3	6.9	11,123	742	2.1	6.88	0	0	0
	23:31	777	5.8	10,863	995	104.9	6.9	9,533	725	3.8	6.88	1,327	38.1	6.88
	23:46	790	5.6	11,975	686	107.8	6.89	8,854	716	3.1	6.88	2,028	16.6	6.88
	AVERAGES/TOTALS	794	6.05	918,311	748	54.3	6.92	582,031	727	3.5	6.91	71,100	19.2	6.91
	MAXIMUM	831	6.60	12,988	995	107.8	7.02	11,608	887	5.8	7.02	3,778	42.8	7.02
	MINIMUM	746	5.50	549	34	30.9	6.87	558	139	1.7	6.84	3	2.1	6.84
3/18/2021														
	0:01	774	5.8	10,009	683	109.6	6.89	11,143	742	2.9	6.88	0	0	0
	0:16	792	5.7	12,755	0	110.8	6.89	7,458	693	4.8	6.88	3,269	24.4	6.88
	0:31	786	6.3	5,645	687	116.1	6.89	6,281	784	2.4	6.87	88	1.4	6.87
	0:46	782	6.4	10,022	683	114.9	6.89	11,273	752	3	6.88	0	0	0
	1:01	0	5.5	11,743	995	86.9	6.89	7,945	728	4.3	6.89	3,104	26.6	6.89
	1:16	0	5.7	2,553	0	24.4	6.89	1,186	585	5.5	6.89	386	8	6.89
	1:31	776	6.3	22	751	21.4	6.9	0	0	0	0	0	4	6.9
	1:46	773	6.4	10,248	655	22.9	6.9	11,590	775	1.7	6.89	0	3.9	6.9
	2:01	781	6.5	9,935	676	21.5	6.89	11,294	752	2.7	6.88	0	0	0
	2:16	782	6.1	12,742	656	21.2	6.89	7,552	690	4.5	6.88	3,077	23.8	6.88
	2:31	788	6.2	9,947	676	22.5	6.88	11,276	752	1.8	6.89	0	0	0
	2:46	0	6.4	9,933	995	22	6.89	11,246	750	3.2	6.89	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:01	0	5.7	7,703	0	21	6.89	2,291	633	5.2	6.89	3,233	18.8	6.89
	4:16	777	6.3	4,682	646	20.3	6.87	4,693	825	2.9	6.87	549	8.1	6.88
	4:31	775	6.4	9,912	651	20.4	6.87	11,285	751	1.4	6.87	0	0	0
	4:46	772	6.4	10,037	995	21	6.87	11,019	739	3.1	6.87	0	0	0
	5:01	770	6.1	12,809	681	21.6	6.85	7,707	709	3.5	6.85	3,342	22.7	6.85
	5:16	776	6.3	9,872	652	23.7	6.84	11,202	746	2.5	6.83	0	0	0
	5:31	776	6.3	10,788	995	22.9	6.84	9,320	729	4.1	6.83	1,652	35.6	6.83
	5:46	770	6.1	11,788	642	23.5	6.84	9,076	724	3.2	6.83	1,906	16.4	6.83
	6:01	772	6.3	9,821	666	23.2	6.84	11,216	745	3	6.83	0	0	0
	6:16	749	6.1	11,527	995	22.4	6.84	7,933	718	4.5	6.84	3,081	27.2	6.84
	6:31	782	6.1	10,944	659	21.8	6.84	10,308	723	2.7	6.85	573	12.4	6.84
	6:46	775	6.4	9,842	627	21.3	6.86	11,131	741	2.9	6.85	0	0	0
	7:01	782	6.1	12,379	664	21	6.86	7,332	687	4.6	6.87	3,259	24.3	6.87
	7:16	764	6.2	10,060	646	20.7	6.87	11,097	736	2.1	6.89	0	0	0
	7:31	0	6.3	9,778	640	21.5	6.87	11,054	738	3	6.89	0	0	0
	7:46	786	5.9	8,335	995	22.7	6.88	4,079	744	4.3	6.89	3,958	25.2	6.89
	8:01	791	5.8	11,355	630	22.5	6.88	1,874	146	2.9	6.89	1,293	14.1	6.89
	8:16	769	6	9,699	652	22.6	6.88	0	0	2.7	6.89	0	0	0
	8:31	0	6.2	3,687	0	21.3	6.87	0	0	3.9	6.89	0	4.2	6.89
	10:01	777	5.8	10,644	676	19.8	6.87	0	0	5.4	6.88	0	21.5	6.88
	10:16	778	5.8	9,841	641	24.9	6.87	0	0	1.8	6.89	0	0	0
	10:31	775	6	9,703	636	27.4	6.87	0	0	3.4	6.88	0	0	0
	10:46	774	5.6	12,700	635	28.1	6.87	0	0	5.1	6.89	0	25	6.89
	11:01	792	5.8	9,690	650	29	6.87	0	0	2.2	6.89	0	0	0
	11:16	786	6.1	6,993	901	27.8	6.87	0	0	3.8	6.89	215	4.5	6.89
	11:31	766	5.8	12,857	642	28.6	6.89	4,879	682	5.4	6.89	5,646	22.9	6.89
	11:46	768	5.9	9,424	621	28.4	6.89	10,736	730	2.1	6.9	249	9.5	6.9
	12:01	781	6.1	9,182	613	28.8	6.9	10,762	717	3.3	6.91	0	0	0
	12:16	762	5.8	12,332	615	28.1	6.9	6,960	662	4.9	6.92	3,153	25	6.92

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:31	777	6.1	9,188	616	28.4	6.9	10,779	718	1.7	6.9	0	0	0
	12:46	745	6.4	9,162	608	28.9	6.9	10,738	717	3.3	6.9	0	0	0
	13:01	787	6.1	12,315	618	29.5	6.91	6,995	660	4.1	6.91	3,171	25	6.9
	13:16	768	6.4	9,123	624	30.1	6.92	10,729	717	1.8	6.92	0	0	0
	13:31	762	6.5	9,293	995	29	6.94	10,521	707	3.3	6.94	0	0	0
	13:46	763	6.3	12,139	597	27.2	6.95	7,287	658	3.1	6.95	2,822	25.2	6.95
	14:01	754	6.7	9,066	604	26.9	6.93	10,706	715	1.7	6.93	0	0	0
	14:16	783	6.3	10,234	995	26.5	6.93	9,076	699	3.1	6.92	1,452	33.4	6.92
	14:31	763	6.2	11,247	632	27.1	6.93	2,472	186	2.6	6.93	1,252	14.9	6.92
	14:46	779	6.5	9,183	614	29.1	6.95	0	0	1.8	6.94	0	0	0
	15:01	775	6.3	11,101	995	25.7	6.97	784	71	3.4	6.97	2,433	26.8	6.97
	15:16	774	6.5	10,375	615	30.6	6.97	9,581	698	1.9	6.96	896	6	6.97
	15:31	766	6.8	9,141	597	28.6	6.96	10,695	714	2.2	6.95	0	0	0
	15:46	771	6.5	12,011	629	27.1	6.96	7,277	652	4.2	6.96	2,696	25.1	6.97
	16:01	768	6.7	9,414	620	27.8	6.99	10,637	707	1.4	6.99	0	0	0
	16:16	0	6.2	9,088	603	32	7.01	10,700	713	2.3	7.02	0	0	0
	16:31	0	5.7	7,685	0	23.8	7.03	4,349	671	3.4	7.04	1,988	12.8	7.04
	17:46	769	6.5	7,183	599	20.8	7.03	8,302	738	1.7	7.04	97	4.2	7.05
	18:01	776	6.7	9,074	594	30.1	7.03	10,707	714	1.3	7.05	0	0	0
	18:16	761	6.7	10,168	995	33.6	7.03	8,911	695	3.4	7.04	1,649	36.5	7.02
	18:31	781	6.6	11,245	587	32.5	7.01	9,068	685	2.7	7.01	1,262	14.9	7.02
	18:46	758	6.9	9,039	620	31.4	6.97	10,671	714	2.2	6.97	0	0	0
	19:01	746	6.7	11,105	995	31.2	6.95	7,660	686	4.1	6.95	2,689	27.5	6.94
	19:16	759	6.8	10,261	595	31.9	6.94	9,997	689	2.5	6.93	357	9.7	6.94
	19:31	790	7.2	9,022	603	32.8	6.92	10,616	710	2.8	6.91	0	0	0
	19:46	771	6.9	11,981	614	32.5	6.92	6,696	659	4.9	6.9	3,411	25.4	6.9
	20:01	780	7.1	9,291	606	32.8	6.91	10,613	708	2.1	6.9	0	0	0
	20:16	772	7.5	9,013	599	30.9	6.9	10,645	709	3.1	6.88	0	0	0
	20:31	784	7.1	12,228	587	28.7	6.88	6,833	650	4.9	6.87	3,232	25.5	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:46	764	7.4	9,015	585	28.3	6.89	10,604	708	1.6	6.87	0	0	0
	21:01	774	7.7	8,991	599	27.4	6.89	10,572	706	3	6.87	0	0	0
	21:16	760	7.4	12,240	610	26.3	6.89	6,892	644	4.2	6.87	3,063	24.9	6.87
	21:31	760	7.7	8,975	593	28.4	6.88	10,602	705	1.6	6.86	0	0	0
	21:46	758	8	8,970	995	26.6	6.87	10,543	703	3.1	6.85	0	0	0
	22:01	768	7.7	12,196	583	24.9	6.87	7,017	637	3.4	6.85	2,849	24.8	6.85
	22:16	775	8	8,912	605	25.2	6.85	10,508	702	1.8	6.84	0	0	0
	22:31	779	8.1	9,628	995	25.4	6.85	9,452	684	3.2	6.83	905	45.4	6.84
	22:46	779	8	11,493	584	25	6.87	7,867	658	2.9	6.85	2,154	17	6.84
	23:01	775	8.3	8,887	595	28.7	6.87	10,495	700	1.8	6.85	0	0	0
	23:16	0	8.2	10,625	995	24.1	6.87	8,072	678	3.2	6.85	2,164	27.7	6.85
	23:31	0	6.7	10,476	610	23	6.86	9,448	660	2.4	6.85	528	11.9	6.85
	23:46	0	5.7	8,840	590	21.2	6.85	10,423	696	1.6	6.85	0	0	0
	AVERAGES/TOTALS	773	6.49	812,561	698	30.9	6.90	640,738	683	3.1	6.90	83,103	19.4	6.90
	MAXIMUM	792	8.30	12,857	995	116.1	7.03	11,590	825	5.5	7.05	5,646	45.4	7.05
	MINIMUM	745	5.50	22	583	19.8	6.84	784	71	1.3	6.83	88	1.4	6.83
3/19/2021														
	0:01	0	5.6	2,783	0	20.3	6.85	3,275	693	2.1	6.84	0	2.2	6.83
	0:31	776	6.3	562	800	27.2	6.87	573	724	3.7	6.85	52	2.5	6.85
	0:46	769	5.9	12,830	583	22.2	6.86	6,596	617	4	6.84	3,472	20.7	6.83
	1:01	749	6.1	8,835	585	24.1	6.84	10,371	692	1.6	6.83	0	0	0
	1:16	771	6.4	8,816	995	25	6.84	10,397	694	3.1	6.82	0	0	0
	1:31	755	6.1	12,241	577	24.7	6.84	6,850	641	3.7	6.82	3,036	24.3	6.82
	1:46	761	6.4	8,784	581	25.7	6.83	10,442	695	2.2	6.82	0	0	0
	2:01	758	6.6	9,567	995	25.2	6.84	9,262	676	3.7	6.82	899	44	6.82
	2:16	0	6.6	11,314	47	24.5	6.84	1,741	162	3.2	6.82	2,324	17.5	6.82
	2:31	759	6.7	7,585	589	24.1	6.83	8,373	669	2.5	6.82	78	2.4	6.82
	2:46	753	6.8	9,574	995	24.7	6.84	9,165	667	3.5	6.82	916	42.9	6.82

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:01	770	6.7	11,277	576	24.1	6.83	7,701	656	3.1	6.82	2,311	17.2	6.82
	3:16	742	7	8,699	583	24.1	6.82	10,226	684	2.3	6.82	0	0	0
	3:31	760	7	10,498	995	23.7	6.82	7,827	663	3.6	6.8	2,287	27.6	6.8
	3:46	770	7	10,343	578	23.9	6.82	9,152	654	2.8	6.8	704	13.6	6.8
	4:01	765	7.4	8,685	555	24	6.82	10,200	682	2.4	6.8	0	0	0
	4:16	734	7.2	11,469	605	22.9	6.82	6,832	641	3.9	6.8	3,045	24.2	6.8
	4:31	762	7.4	9,268	563	22.8	6.82	10,028	664	2.2	6.8	0	0	0
	4:46	762	7.8	8,663	580	22.5	6.81	10,219	680	2.4	6.8	0	0	0
	5:01	759	7.5	12,056	602	22.1	6.82	6,785	614	4.3	6.8	2,834	23.4	6.8
	5:16	762	7.8	8,656	577	22.8	6.82	10,220	681	1.7	6.8	0	0	0
	5:31	771	8.2	8,626	562	22.8	6.82	10,147	678	2.5	6.8	0	0	0
	5:46	759	7.9	12,074	579	22.1	6.83	6,989	602	4	6.8	2,448	24.3	6.8
	6:01	773	8.2	8,597	578	22.7	6.83	10,138	676	1.5	6.8	0	0	0
	6:16	768	8.6	8,608	995	22.7	6.82	10,131	675	2.5	6.8	0	0	0
	6:31	760	8.3	12,063	564	22.4	6.83	6,964	584	3.6	6.81	2,147	25.6	6.8
	6:46	0	8.7	8,567	586	22.7	6.82	10,146	675	1.6	6.8	0	0	0
	7:01	0	7.3	8,989	995	22.4	6.82	9,665	657	2.6	6.8	182	30.3	6.81
	7:16	0	5.8	11,567	549	21.4	6.83	7,468	596	2.9	6.8	1,796	24.6	6.8
	7:31	0	5.7	3,969	0	20.3	6.83	4,654	666	1.2	6.8	33	1.3	6.8
	8:16	748	6.5	4,885	565	21.8	6.84	5,636	704	1.9	6.8	86	1.5	6.8
	8:31	765	6.4	10,165	995	22.6	6.82	7,992	649	2.3	6.8	1,989	23.5	6.8
	8:46	746	6.4	10,452	558	24.2	6.83	9,291	618	2.9	6.8	0	0	0
	9:01	762	6.8	8,551	565	25.5	6.83	10,033	673	2.2	6.8	0	0	0
	9:16	782	6.6	11,132	957	26.3	6.84	7,275	631	3.8	6.8	2,471	24.2	6.8
	9:31	778	6.8	9,418	576	27.6	6.84	9,721	646	2.4	6.81	0	0	0
	9:46	771	6.5	12,429	807	27.7	6.84	7,019	682	3.7	6.82	3,559	16.3	6.82
	10:01	778	6.5	11,111	704	28.4	6.84	13,147	880	2.6	6.82	0	0	0
	10:16	779	6.6	10,572	691	31	6.84	12,566	837	4.2	6.82	0	0	0
	10:31	785	6.1	13,306	840	53.3	6.86	3,985	837	7.7	6.82	7,959	28.4	6.83

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:46	800	6	11,885	758	52.9	6.87	13,095	935	4.9	6.85	995	12.5	6.85
	11:01	810	6	11,315	746	37.8	6.86	13,478	898	6.9	6.84	0	0	0
	11:16	811	5.5	13,098	663	35.7	6.86	7,886	772	6.3	6.84	3,394	21.4	6.83
	11:31	803	5.9	9,603	655	32.5	6.88	11,382	759	1.4	6.85	0	0	0
	11:46	823	6.2	9,561	635	32.8	6.9	11,358	758	2.6	6.87	0	0	0
	12:01	798	6	12,517	644	36.1	6.92	8,137	661	3.3	6.89	1,939	23.2	6.88
	12:16	807	6.3	9,629	632	41.6	6.94	11,349	757	1.4	6.91	0	0	0
	12:31	807	6.5	9,672	995	44.3	6.95	11,238	756	3.4	6.92	0	0	0
	12:46	821	6.2	12,465	637	43.7	6.96	8,049	680	3.1	6.93	2,300	26.1	6.92
	13:01	816	6.6	9,590	637	42	6.98	11,424	760	1.4	6.95	0	0	0
	13:16	811	6.6	10,488	995	41.7	7	9,802	741	2.9	6.96	1,249	33.7	6.97
	13:31	827	6.6	11,611	644	43.8	7	9,635	687	2.4	6.97	718	15.9	6.97
	13:46	799	6.9	9,604	619	46.5	6.99	11,335	759	1.6	6.97	0	0	0
	14:01	828	6.9	11,285	995	45	6.99	8,610	723	3.4	6.96	2,247	27.5	6.96
	14:16	813	6.9	10,952	661	46.3	6.99	10,813	721	2	6.97	0	9.6	6.97
	14:31	807	7.2	9,808	645	47.4	7	11,528	769	2	6.97	0	0	0
	14:46	817	6.9	12,267	682	46.3	7.02	8,092	696	3.9	6.98	2,395	26.3	6.98
	15:01	802	7.1	10,175	659	45.8	7.03	11,383	756	1.4	7	0	0	0
	15:16	805	7.4	9,747	677	45.7	7.03	11,520	768	1.8	7	0	0	0
	15:31	812	7.1	12,570	641	47.7	7.04	8,160	665	3.6	7.02	2,036	27.1	7.02
	15:46	800	7.3	9,774	643	48.6	7.04	11,538	769	0.9	7.02	0	0	0
	16:01	796	7.6	9,796	624	48.1	7.04	11,540	768	1.9	7.02	0	0	0
	16:16	807	7.3	12,562	681	48.5	7.05	8,000	665	3.2	7.03	2,163	27	7.02
	16:31	802	7.6	9,781	645	49.4	7.04	11,477	765	1	7.03	0	0	0
	16:46	795	7.8	9,771	995	49.8	7.04	11,489	765	2.3	7.02	0	0	0
	17:01	811	7.5	12,608	650	49.4	7.05	8,123	665	2.8	7.03	2,019	26.9	7.02
	17:16	812	7.8	9,728	637	51.5	7.04	11,537	767	1.3	7.02	0	0	0
	17:31	0	7.1	10,256	995	52.6	7.04	10,681	750	3.1	7.01	559	46.5	7
	17:46	0	5.5	12,038	658	49.8	7.04	8,926	698	2.5	7.02	1,650	21.3	7

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:01	0	5.8	1,470	0	47.4	7.03	1,713	767	0.7	7.01	3	0.9	7
	19:01	800	6.5	6,242	641	47.2	7.04	7,263	802	1.1	7.01	94	0.9	7.02
	19:16	800	6.5	9,894	995	51.9	7.04	11,219	752	1.7	7.01	0	0	0
	19:31	788	6.3	12,508	664	53.7	7.04	8,371	697	3	7.02	2,211	23.5	7.01
	19:46	813	6.5	9,735	642	54.7	7.03	11,416	762	2	7	0	0	0
	20:01	825	6.6	10,676	995	53.9	7	9,527	741	3.8	6.98	1,599	35.8	6.96
	20:16	827	6.5	11,697	652	55.2	6.98	9,305	729	3	6.95	1,641	14.8	6.95
	20:31	811	6.8	9,718	644	56.3	6.97	11,488	763	2.9	6.94	0	0	0
	20:46	820	6.6	11,554	995	64.2	6.98	8,146	733	4.7	6.94	2,745	26.7	6.94
	21:01	812	6.7	10,838	635	59.6	6.98	1,666	112	2.7	6.94	373	10.7	6.94
	21:16	803	7	9,669	647	66.7	6.99	1,941	119	3.8	6.94	0	0	0
	21:31	797	6.8	12,292	677	66.8	7	6,907	712	6.3	6.95	3,777	25	6.95
	21:46	788	6.9	9,986	650	66.1	7	11,493	762	2.9	6.96	0	0	0
	22:01	0	6.2	9,682	646	68	7	11,428	763	5.3	6.96	0	0	0
	22:16	0	5.6	7,323	0	63.6	7	4,210	722	6.5	6.96	2,091	17	6.96
	23:31	809	6.5	8,083	654	62.3	7	7,854	808	1.7	6.97	1,529	16.9	6.97
	23:46	801	6.6	9,646	640	64.6	7	11,430	761	2.6	6.96	0	0	0
AVERAGES/TOTALS		788	6.78	852,755	697	38.3	6.92	766,164	694	2.9	6.89	84,355	20.8	6.89
MAXIMUM		828	8.70	13,306	995	68.0	7.05	13,478	935	7.7	7.03	7,959	46.5	7.02
MINIMUM		734	5.50	562	47	20.3	6.81	573	112	0.7	6.80	3	0.9	6.80
3/20/2021														
	0:01	803	6.6	10,463	995	68.1	7	9,853	742	5.3	6.96	1,288	41.9	6.96
	0:16	791	6.5	12,025	658	71.8	7	8,412	750	3.5	6.97	2,806	16.1	6.96
	0:31	810	6.7	9,634	655	72.5	7	11,381	761	3.7	6.96	0	0	0
	0:46	787	6.7	11,334	995	73.2	6.99	8,078	739	5.6	6.96	2,945	27.9	6.95
	1:01	795	6.6	11,339	653	75.5	7	9,986	767	3.7	6.96	1,602	14	6.96
	1:16	813	6.9	9,677	638	80.2	7	11,386	761	4.4	6.96	0	0	0
	1:31	816	6.7	12,103	718	79.3	7	7,063	722	6.3	6.96	3,819	25	6.97

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:46	800	6.8	10,162	663	78.5	7	11,379	755	2.8	6.97	0	0	0
	2:01	821	7.1	9,659	634	80.5	7	11,391	760	3.7	6.96	0	0	0
	2:16	826	6.8	12,665	650	78.9	7	7,253	701	5.4	6.96	3,543	24	6.96
	2:31	815	7	9,762	650	78.6	7	11,530	769	2.2	6.96	0	0	0
	2:46	0	6.3	9,631	623	79.1	7	11,395	760	3.6	6.96	0	0	0
	3:01	0	5.6	7,700	0	79.6	7	3,203	686	5	6.96	2,792	17.2	6.96
	4:01	814	6.3	221	817	78.1	6.98	154	549	7.6	6.98	94	6.1	6.98
	4:16	822	6.5	10,365	641	81.5	6.99	10,923	794	1.5	6.96	1,244	14.1	6.98
	4:31	830	6.7	9,549	644	82.5	6.99	11,365	756	2.9	6.95	0	0	0
	4:46	828	6.5	12,538	687	85	6.98	7,383	686	4.9	6.94	3,136	24.8	6.94
	5:01	809	6.6	9,755	652	85.9	6.97	11,583	774	2.5	6.93	0	0	0
	5:16	817	6.9	9,592	617	87	6.95	11,450	760	3.7	6.91	0	0	0
	5:31	805	6.7	12,538	640	88	6.94	7,297	695	5.1	6.9	3,287	24.3	6.89
	5:46	831	6.9	9,587	664	88.8	6.92	11,391	761	2.4	6.88	0	0	0
	6:01	822	7.2	9,569	627	89.8	6.91	11,393	760	3.8	6.86	0	0	0
	6:16	822	6.9	12,748	642	91.4	6.9	7,243	704	4.6	6.85	3,616	22.4	6.85
	6:31	813	7.2	9,672	624	92.2	6.89	11,428	761	2.5	6.83	0	0	0
	6:46	837	7.3	9,673	995	93.9	6.87	11,255	758	4	6.82	0	0	0
	7:01	814	7.1	12,675	630	96.9	6.89	7,483	709	4	6.84	3,383	22.4	6.82
	7:16	804	7.4	9,573	634	100.3	6.92	11,373	760	3.2	6.87	0	0	0
	7:31	815	7.4	10,462	995	102.1	6.95	9,766	741	5.4	6.91	1,297	36.3	6.92
	7:46	809	7.4	11,639	630	103.2	6.97	9,018	720	3.3	6.92	1,816	15.5	6.92
	8:01	797	7.7	9,592	629	101.9	6.96	11,391	759	2.6	6.92	0	0	0
	8:16	0	6.2	11,259	995	102.2	6.95	8,448	726	3.9	6.91	2,549	25.9	6.89
	8:31	0	5.7	7,410	0	103	6.94	6,339	707	3.1	6.89	550	9.7	6.89
	9:01	807	6.6	9,317	635	103.2	6.92	11,089	779	1.9	6.89	25	1.2	6.89
	9:16	784	6.7	9,991	995	104.4	6.92	10,671	739	3.1	6.87	376	42.1	6.87
	9:31	823	6.5	12,134	613	107.9	6.92	8,234	715	3.4	6.88	2,559	19.1	6.87
	9:46	794	6.8	9,545	621	112	6.94	11,352	757	3.4	6.9	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:01	821	6.8	10,824	995	115.3	6.96	8,852	739	6.2	6.92	2,202	32.3	6.93
	10:16	836	6.8	11,239	641	116.2	6.97	9,733	734	3.4	6.94	1,294	13.3	6.94
	10:31	815	7.1	9,469	652	118.2	6.99	11,350	758	3.8	6.95	0	0	0
	10:46	814	6.8	11,675	995	117.7	6.98	7,401	728	5.6	6.94	3,497	25.2	6.94
	11:01	830	7	10,356	612	117.4	6.97	11,006	733	2.9	6.94	0	0	0
	11:16	0	5.8	9,469	634	118.8	6.97	11,281	752	3.5	6.93	0	0	0
	11:31	0	5.6	5,268	0	117.5	6.97	5,037	751	4.4	6.94	0	4.2	6.94
	12:01	822	5.5	5,057	689	163.1	6.97	1,067	702	4.1	6.94	3,680	20.3	6.94
	12:16	811	5.6	9,705	628	26.8	6.99	11,515	768	1.3	6.95	0	0	0
	12:31	829	5.9	9,449	618	35.4	6.98	11,242	748	4.3	6.94	0	0	0
	12:46	803	5.7	12,190	714	35.1	6.98	6,759	695	7.2	6.93	3,838	25.2	6.92
	13:01	819	5.8	9,962	634	34.2	6.97	11,192	760	2.8	6.92	249	9.6	6.93
	13:16	812	6	9,451	632	35.5	6.96	11,268	751	4.7	6.9	0	0	0
	13:31	800	5.8	12,687	637	32.4	6.96	6,981	701	6.3	6.91	3,708	23.7	6.9
	13:46	816	6	9,492	639	34.4	6.96	11,371	756	2.3	6.92	0	0	0
	14:01	810	6.4	9,449	624	36.1	6.96	11,230	748	4.8	6.92	0	0	0
	14:16	803	6.1	12,660	632	34.4	6.98	4,027	433	5.3	6.93	3,640	23.7	6.92
	14:31	811	6.5	7,903	995	33.9	6.98	0	0	2.3	6.93	80	2.9	6.91
	14:46	824	6.2	12,703	629	35	6.96	6,389	714	4.2	6.91	4,511	19.2	6.91
	15:01	0	6.4	9,283	638	31.7	6.96	11,169	746	2.9	6.9	0	0	0
	15:16	0	5.7	7,269	0	29	6.96	8,689	743	4.5	6.9	10	5.2	6.89
	16:46	804	6.1	4,579	995	28.6	6.96	330	623	7.2	6.9	3,409	27.9	6.9
	17:01	763	6.1	11,447	632	30.8	6.96	9,928	696	3.8	6.9	741	12.1	6.9
	17:16	786	6.3	9,269	617	37.2	6.96	11,115	740	4.6	6.89	0	0	0
	17:31	767	6.2	11,419	995	37.4	6.97	7,462	709	6.8	6.9	3,200	25.7	6.91
	17:46	776	6.2	10,546	604	36.5	6.98	10,365	730	4.1	6.93	746	11.8	6.93
	18:01	770	6.6	9,260	625	38	6.97	11,055	739	5.4	6.91	0	0	0
	18:16	769	6.4	12,320	710	36	6.96	7,027	671	7	6.91	3,198	25.5	6.91
	18:31	766	6.5	9,704	610	34.8	6.96	10,803	759	4	6.91	746	12.7	6.91

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:46	774	6.9	9,213	600	34.8	6.96	11,096	739	5.4	6.91	0	0	0
	19:01	791	6.6	12,650	642	33.1	6.96	6,786	678	6	6.91	3,751	23.5	6.91
	19:16	767	6.8	9,275	611	35.8	6.96	11,154	742	3.5	6.91	0	0	0
	19:31	778	7.1	9,252	612	36.2	6.96	11,091	738	5.3	6.92	0	0	0
	19:46	786	6.8	12,708	630	37	6.96	6,728	684	5.5	6.92	3,932	23.7	6.92
	20:01	775	7.1	9,241	624	44	6.96	11,063	737	3.9	6.92	0	0	0
	20:16	761	7.3	9,326	995	46	6.96	10,872	733	6.8	6.92	0	0	0
	20:31	781	7.1	12,716	612	41.2	6.96	6,014	723	4.3	6.92	5,094	22.6	6.92
	20:46	780	7.4	9,206	614	41.8	6.95	11,035	734	3.8	6.91	0	0	0
	21:01	753	7.4	10,610	995	39.5	6.95	8,458	716	5.8	6.9	2,309	32.6	6.89
	21:16	764	7.3	11,284	632	35.9	6.94	8,744	716	4	6.88	2,244	13.6	6.89
	21:31	771	7.7	9,182	598	34.7	6.93	10,999	734	3.9	6.87	0	0	0
	21:46	773	7.5	11,558	986	35	6.93	7,314	704	5.5	6.87	3,206	25.5	6.87
	22:01	772	7.6	10,379	604	36.3	6.93	10,320	721	3.4	6.89	746	12.6	6.88
	22:16	0	6.9	9,256	604	34.3	6.94	10,988	734	4.3	6.89	0	0	0
	22:31	0	5.6	11,858	0	82.1	6.93	6,676	652	5.3	6.89	2,866	25.3	6.89
	23:01	767	6.6	6,752	599	22.7	6.93	7,955	760	2.6	6.9	5	4.2	6.9
	23:16	781	6.8	9,286	634	26.5	6.94	11,025	734	2.5	6.9	0	0	0
	23:31	760	6.6	11,783	687	29	6.95	7,411	689	4.4	6.9	3,009	24.4	6.9
	23:46	787	6.7	10,275	589	29.6	6.95	10,594	728	3.3	6.89	498	11.7	6.9
	AVERAGES/TOTALS	800	6.63	855,472	701	66.2	6.96	772,306	727	4.2	6.92	109,136	19.8	6.91
	MAXIMUM	837	7.70	12,748	995	163.1	7.00	11,583	794	7.6	6.98	5,094	42.1	6.98
	MINIMUM	753	5.50	221	589	22.7	6.87	154	433	1.3	6.82	5	1.2	6.82
3/21/2021														
	0:01	774	7	9,242	621	29.5	6.93	10,996	732	4.4	6.86	0	0	0
	0:16	787	6.8	12,478	654	28	6.91	6,656	666	6	6.85	3,757	24.8	6.84
	0:31	774	7	9,501	629	30.5	6.9	11,000	748	3.5	6.85	249	10.3	6.85
	0:46	0	6.2	9,197	604	31.3	6.9	10,970	731	5.3	6.85	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:01	0	5.6	6,904	0	26.8	6.9	2,904	675	6.2	6.85	2,536	16.6	6.85
	2:16	788	6.4	6,190	609	20.9	6.89	5,197	802	3.1	6.85	1,987	30.7	6.86
	2:31	783	6.7	9,205	592	21.2	6.89	10,943	729	3.2	6.85	0	0	0
	2:46	799	6.9	9,316	995	23.1	6.89	10,818	720	5	6.84	0	0	0
	3:01	786	6.6	12,673	608	25.3	6.89	6,706	699	4.7	6.84	4,135	23.1	6.84
	3:16	801	6.9	9,174	611	29.3	6.89	10,896	728	4.3	6.84	0	0	0
	3:31	790	7	10,188	995	28.4	6.89	9,156	706	6	6.84	1,466	38.4	6.83
	3:46	779	6.9	11,737	612	25.5	6.87	7,875	717	4.3	6.83	3,165	15.7	6.84
	4:01	802	7.2	9,178	622	25.3	6.87	10,906	726	4.1	6.82	0	0	0
	4:16	789	7.1	11,057	995	24.7	6.87	7,709	701	5.7	6.81	2,886	27.4	6.8
	4:31	758	7.2	10,837	604	24.4	6.86	9,458	713	4	6.81	1,528	13.8	6.81
	4:46	792	7.5	9,124	593	24.4	6.86	10,874	726	4.1	6.82	0	0	0
	5:01	768	7.3	11,921	912	23.9	6.86	6,923	673	5.6	6.82	3,409	24.6	6.82
	5:16	769	7.5	9,897	618	25.2	6.87	583	48	3.3	6.82	0	12.9	6.82
	5:31	785	7.8	9,127	599	25.5	6.87	0	0	4.4	6.82	0	0	0
	5:46	786	7.6	12,593	613	25.9	6.87	0	0	5.9	6.83	0	22.8	6.83
	6:01	750	7.8	9,160	607	29.1	6.87	0	0	3.2	6.84	0	0	0
	6:16	0	7.8	9,039	586	31.8	6.88	0	0	5.4	6.85	0	0	0
	6:31	0	5.9	12,648	617	26.4	6.89	0	0	5.5	6.85	0	23.7	6.85
	6:46	780	6.2	4,382	0	20.6	6.89	0	0	1.7	6.85	0	1.7	6.85
	7:01	770	6.6	6,427	612	20.5	6.89	0	0	2.3	6.85	0	0.9	6.85
	7:16	0	5.7	9,249	995	24.7	6.89	0	0	3.5	6.85	0	27	6.85
	7:31	0	5.6	3,882	0	24.5	6.89	0	0	6.9	6.86	0	13.7	6.86
	8:01	794	6.4	4,716	613	24.4	6.89	0	0	3	6.87	0	21.7	6.87
	8:16	0	5.6	9,059	0	23.2	6.9	0	0	2.4	6.87	0	0	0
	8:31	782	5.8	1,043	0	24.2	6.9	0	0	3.2	6.87	0	3.3	6.87
	8:46	792	6.4	4,925	574	24	6.9	0	0	4.3	6.87	0	12.9	6.87
	9:01	774	6.2	12,066	787	25.8	6.9	0	0	4.6	6.87	0	24.4	6.87
	9:16	761	6.3	9,654	616	29.5	6.9	0	0	3.3	6.87	0	11.8	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:31	777	6.6	8,990	600	28.4	6.9	0	0	4.4	6.86	0	0	0
	9:46	784	6.4	12,585	614	28.5	6.9	0	0	6	6.85	0	23.3	6.85
	10:01	758	6.7	9,084	590	29.8	6.9	0	0	3.1	6.87	0	0	0
	10:16	0	6.5	8,963	590	31.3	6.9	0	0	5	6.87	0	0	0
	10:31	0	5.6	8,801	0	29.5	6.9	0	0	6.6	6.87	0	21.8	6.87
	10:46	753	6.3	967	707	34.5	6.9	0	0	6.3	6.89	0	11.6	6.89
	11:01	805	6.6	9,428	592	26.1	6.9	0	0	2.5	6.89	0	11.9	6.89
	11:16	799	6.9	8,912	591	29.5	6.9	0	0	4	6.89	0	0	0
	11:31	784	6.1	12,619	595	29.9	6.9	0	0	5.6	6.89	0	23.4	6.89
	11:46	774	6.3	9,623	589	29.2	6.91	0	0	3.2	6.89	0	29.7	6.89
	12:01	781	5.9	8,862	589	31.9	6.92	0	0	4.5	6.9	0	0	0
	12:16	799	5.7	12,567	586	30.4	6.92	0	0	5.5	6.91	0	24	6.9
	12:31	785	6	8,845	588	32.8	6.94	0	0	2.6	6.92	0	0	0
	12:46	776	5.9	8,839	573	34.4	6.94	0	0	4.8	6.92	0	0	0
	13:01	779	5.7	12,551	581	33.9	6.95	0	0	5.6	6.93	0	23.7	6.93
	13:16	754	5.9	8,806	598	37.2	6.95	0	0	2.6	6.94	0	0	0
	13:31	0	6.2	8,792	995	40.4	6.96	0	0	5.3	6.94	0	0	0
	13:46	0	5.6	12,559	573	38.2	6.97	0	0	4.4	6.96	0	23.1	6.95
	14:01	0	5.8	8,809	592	39.2	6.97	0	0	2.7	6.96	0	0	0
	14:16	0	5.7	3,359	0	40.3	6.97	0	0	4.8	6.96	0	5.3	6.96
	14:46	0	6.4	2,745	613	48.8	6.96	0	0	6.8	6.96	0	24.6	6.96
	15:01	0	6.1	12,783	587	30.9	6.97	0	0	4.6	6.96	0	23.3	6.96
	15:16	0	6.3	8,788	583	38.2	6.98	0	0	2.2	6.97	0	0	0
	15:31	0	6.6	8,749	995	38.2	6.98	0	0	4.4	6.97	0	0	0
	15:46	0	6.4	12,572	593	36	6.98	0	0	4.9	6.96	0	24.2	6.96
	16:01	0	6.7	8,763	578	37	6.97	0	0	2.6	6.95	0	0	0
	16:16	0	6.9	9,008	995	37.3	6.97	0	0	4.6	6.94	0	0	0
	16:31	0	6.7	12,260	570	36.2	6.97	0	0	3.8	6.93	0	24.2	6.93
	16:46	0	7	8,725	579	41.4	6.97	0	0	2.8	6.92	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:01	0	7.2	9,942	995	37.9	6.95	0	0	4.7	6.92	0	38.7	6.92
	17:16	0	7.1	11,275	573	38.5	6.95	0	0	3.3	6.92	0	14.3	6.92
	17:31	0	7.5	8,718	594	39.7	6.95	0	0	2.9	6.92	0	0	0
	17:46	0	7.4	10,986	995	40	6.95	0	0	4.7	6.92	0	27.6	6.92
	18:01	0	7.5	10,256	585	42.9	6.95	0	0	3.2	6.94	0	11.3	6.93
	18:16	0	7.9	8,690	574	48.7	6.95	0	0	4.8	6.94	0	0	0
	18:31	0	7.7	11,877	816	45.1	6.96	0	0	7	6.94	0	25.7	6.94
	18:46	0	8	9,333	573	43.5	6.96	0	0	2.6	6.94	0	13.6	6.94
	19:01	0	8.3	8,610	565	43.9	6.95	0	0	4	6.92	0	0	0
	19:16	0	8.1	12,439	593	41.9	6.95	0	0	5.8	6.92	0	24.1	6.91
	19:31	0	8.4	8,685	572	43.5	6.95	0	0	2.3	6.91	0	0	0
	19:46	0	8.9	8,620	0	43.6	6.93	0	0	4.2	6.9	0	0	0
	20:01	0	7.7	5,951	995	41.6	6.94	813	427	5.5	6.89	3,577	27.5	6.89
	20:16	0	6.6	8,128	563	37.4	6.94	3,767	746	6.7	6.89	2,809	15.5	6.89
	20:31	0	6.1	5,298	0	33.6	6.93	6,660	722	2.3	6.89	0	2.7	6.88
	22:46	767	6.2	0	53	26.5	6.88	0	0	0	0	50	2.8	6.85
	23:01	765	6.7	8,246	553	36.7	6.87	8,424	722	2.8	6.85	1,244	13.8	6.85
	23:16	771	6.8	9,340	995	40	6.87	9,298	662	4.7	6.85	739	47	6.87
	23:31	778	6.3	14,183	927	45.2	6.89	0	0	0	0	13,241	20.6	6.88
	23:46	767	6.2	13,921	0	49.6	6.9	0	0	0	0	12,259	24.5	6.91
	AVERAGES/TOTALS	779	6.70	748,641	665	32.5	6.92	179,532	675	4.3	6.89	59,037	19.7	6.88
	MAXIMUM	805	8.90	14,183	995	49.6	6.98	11,000	802	7.0	6.97	13,241	47.0	6.96
	MINIMUM	750	5.60	967	53	20.5	6.86	583	48	1.7	6.81	50	0.9	6.80
3/22/2021														
	0:01	764	5.7	11,351	666	62	6.92	0	0	0	0	7,984	33.5	6.92
	0:16	781	6	8,894	467	52.3	6.92	4,511	580	3.7	6.9	5,543	20.4	6.91
	0:31	768	6.4	8,204	961	52.6	6.91	9,745	651	5.1	6.88	0	0	0
	0:46	756	6.1	12,718	580	55.1	6.9	4,384	700	5.1	6.88	6,651	24.2	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:01	774	6.5	8,449	550	57.7	6.9	10,135	677	4.6	6.89	0	0	0
	1:16	760	6.6	9,976	995	61.6	6.92	6,896	678	8.3	6.9	4,566	25.9	6.91
	1:31	772	6.3	12,581	551	61.8	6.93	4,524	754	4.6	6.95	6,763	25.4	6.93
	1:46	747	6.7	8,337	559	62.4	6.95	10,110	673	4.9	6.96	0	0	0
	2:01	773	6.9	9,629	995	62.1	6.96	8,175	653	8.7	6.98	1,703	43.3	6.99
	2:16	785	6.8	11,385	555	60.1	6.98	6,351	725	3.1	6.99	4,777	17.3	6.99
	2:31	752	7.3	8,313	559	59.5	6.99	10,073	671	4.1	6.98	0	0	0
	2:46	776	7.2	10,621	995	60.3	6.99	6,751	645	7.1	6.97	3,190	30.2	6.96
	3:01	773	7.4	10,226	522	59.8	6.99	8,912	685	3.7	6.97	1,698	13.7	6.97
	3:16	771	7.8	8,267	562	60.5	6.99	10,067	669	4.5	6.95	0	0	0
	3:31	767	7.7	11,629	900	60.7	6.97	6,037	628	7.2	6.94	3,838	26.5	6.94
	3:46	764	7.9	9,173	552	61.1	6.97	9,634	686	3.1	6.94	995	15.6	6.95
	4:01	773	8.4	8,261	558	61.8	6.97	9,997	667	4.6	6.93	0	0	0
	4:16	748	8.1	12,313	573	61.3	6.97	5,472	623	6.7	6.93	4,694	24.4	6.93
	4:31	747	8.4	8,372	539	61.4	6.97	10,131	677	2.4	6.93	0	0	0
	4:46	785	7.9	8,268	551	61.7	6.97	9,940	663	4.5	6.93	0	0	0
	5:01	779	7.7	12,327	552	61.2	6.97	5,835	631	5.3	6.93	4,340	23.8	6.93
	5:16	756	8.1	8,259	556	61.6	6.97	9,973	663	2.2	6.93	0	0	0
	5:31	769	8.5	8,229	995	62	6.97	9,905	662	4.2	6.92	0	0	0
	5:46	748	8.1	12,300	539	62.3	6.97	5,913	625	4.2	6.92	4,076	23.9	6.92
	6:01	761	8.5	8,165	563	62.8	6.97	9,938	661	2.4	6.91	0	0	0
	6:16	766	8.4	9,082	995	62.6	6.96	8,790	641	4.3	6.9	884	46.5	6.89
	6:31	761	8.3	11,533	531	62.9	6.95	6,724	655	4.4	6.91	3,645	17.8	6.9
	6:46	755	8.8	8,176	548	63.2	6.95	9,850	657	3.4	6.89	0	0	0
	7:01	761	8.4	10,006	995	64.4	6.94	7,325	634	4.5	6.88	2,516	33.3	6.88
	7:16	787	8.5	10,555	534	65	6.94	7,736	659	4.1	6.88	2,671	14.4	6.88
	7:31	0	8.8	8,135	534	66	6.94	9,833	654	3.6	6.87	0	0	0
	7:46	765	8.5	11,072	608	66.7	6.94	6,110	626	4.5	6.87	3,732	25.8	6.88
	8:01	770	8.7	9,454	537	72.5	6.93	8,936	656	3.6	6.89	1,244	13.8	6.89

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:16	766	8.4	8,077	542	72	6.94	9,808	652	3.6	6.89	0	0	0
	8:31	773	8.3	11,893	580	70.1	6.94	5,569	600	5.2	6.89	4,112	25.2	6.89
	8:46	766	8.6	8,536	536	71.5	6.94	9,521	667	3	6.89	746	13.4	6.9
	9:01	762	8.5	8,017	534	76.5	6.94	9,721	648	3.9	6.89	0	0	0
	9:16	758	8.4	12,410	560	79.1	6.93	5,097	629	5.9	6.88	5,328	24	6.87
	9:31	771	8.8	8,048	522	81.9	6.92	9,797	650	3.4	6.87	0	0	0
	9:46	765	8.8	7,977	995	84.9	6.92	9,614	644	5	6.86	0	0	0
	10:01	780	8.5	12,548	539	89.2	6.92	4,136	659	5.3	6.87	6,653	23.4	6.86
	10:16	773	8.9	7,959	510	98.8	6.92	9,630	642	4.9	6.87	0	0	0
	10:31	744	8.7	8,398	995	106.9	6.92	9,103	627	8.5	6.86	272	35.3	6.87
	10:46	766	8.5	12,421	544	117	6.92	3,899	710	5.3	6.88	7,479	24	6.87
	11:01	0	8.8	7,961	535	33.4	6.93	9,587	640	6.2	6.89	0	0	0
	11:16	760	8.7	9,405	995	69	6.93	7,630	620	8.5	6.88	1,906	48.3	6.87
	11:31	780	8.4	13,600	851	67.2	6.9	1,648	940	8.7	6.88	11,782	18.2	6.88
	11:46	765	7.8	13,249	866	63	6.91	0	0	0	0	14,925	16.9	6.89
	12:01	761	7.5	13,844	995	61.8	6.93	0	0	0	0	13,370	27.9	6.9
	12:16	0	7.6	2,758	0	60.7	6.94	0	0	0	0	2,084	21	6.91
	12:31	765	7.4	1,347	995	59.8	6.95	0	0	0	0	1,342	33.3	6.92
	12:46	777	7.3	12,263	560	38.3	6.97	7,675	664	4.1	6.93	2,795	13.5	6.92
	13:01	763	7.6	8,451	557	59.7	6.97	10,193	680	2.7	6.93	0	0	0
	13:16	759	7.6	10,490	995	76.5	6.98	6,430	678	7.3	6.94	4,710	34.1	6.94
	13:31	766	7.4	12,280	641	75.4	6.98	6,656	837	6	6.95	5,457	21.1	6.94
	13:46	764	7	12,791	708	69.7	6.99	3,783	760	7.1	6.95	7,611	24.9	6.95
	14:01	784	7.1	9,745	613	66.4	7	11,611	787	5.1	6.95	249	8.1	6.95
	14:16	780	7.1	11,226	995	56.7	7.01	7,762	738	8.5	6.95	3,197	31.7	6.95
	14:31	780	7.1	11,071	597	53	7	9,285	788	3.5	6.95	2,597	13.7	6.95
	14:46	775	7.4	9,367	634	52.6	7	11,402	759	5.9	6.95	0	0	0
	15:01	773	7.1	12,894	654	53	7	5,429	742	8.4	6.94	5,919	24.6	6.94
	15:16	744	7.3	9,453	595	51.5	7	11,570	771	3.5	6.95	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:31	760	7.4	9,351	995	46.8	7.01	11,361	758	6.5	6.95	0	0	0
	15:46	747	7.2	12,764	638	46.6	7.04	6,514	721	4.1	6.98	4,480	24.3	6.97
	16:01	786	7.4	9,341	607	57.3	7.06	11,359	759	3.6	6.99	0	0	0
	16:16	770	7.5	11,156	995	63.4	7.06	7,762	737	8	7	3,061	29.8	7
	16:31	773	7.5	10,946	617	58.2	7.06	10,050	746	3.1	7.02	1,266	12.7	7
	16:46	745	7.6	9,309	620	56.3	7.06	11,323	756	4.4	7.02	0	0	0
	17:01	763	7.4	12,633	624	55.6	7.06	6,753	695	6.8	7.02	3,950	24.6	7.02
	17:16	755	7.6	9,445	619	61.3	7.06	11,531	768	2.8	7.01	0	0	0
	17:31	756	7.8	9,286	995	69.7	7.05	11,349	757	7.2	7	0	0	0
	17:46	774	7.5	12,967	634	66.1	7.05	5,721	741	4.5	7	5,586	24.7	7
	18:01	758	7.8	9,318	630	67	7.03	11,345	757	4.4	6.99	0	0	0
	18:16	761	7.7	11,317	995	63.6	7.03	7,008	758	8.2	6.98	4,444	31.3	6.99
	18:31	764	7.6	11,213	607	60.8	7.02	9,198	752	4.3	6.99	2,286	14.8	6.98
	18:46	765	7.9	9,322	604	59.7	7	11,405	758	6	6.97	0	0	0
	19:01	766	7.6	12,952	664	56.6	7	4,781	715	8.8	6.95	6,486	26.6	6.95
	19:16	758	7.8	9,618	608	53.3	6.99	11,697	777	3.8	6.96	0	6.3	6.97
	19:31	769	8	9,306	995	50.9	6.97	11,358	756	6.9	6.94	0	0	0
	19:46	772	7.7	12,838	623	49.8	6.97	6,309	720	5.6	6.93	4,678	24.7	6.93
	20:01	746	7.9	9,360	611	50.6	6.95	11,326	755	4.5	6.92	0	0	0
	20:16	766	8	10,785	995	50.2	6.94	8,639	738	8	6.9	2,320	35.9	6.9
	20:31	759	7.9	11,414	619	49.6	6.93	8,781	750	4.5	6.9	2,571	14.2	6.9
	20:46	763	8.2	9,336	627	49.2	6.92	11,325	754	5.8	6.88	0	0	0
	21:01	766	7.9	12,464	699	47.9	6.93	6,242	691	8.4	6.88	4,362	26.2	6.88
	21:16	762	8.1	9,691	608	48.2	6.92	11,013	773	3.7	6.88	747	13.6	6.88
	21:31	751	8.4	9,283	995	48	6.92	11,289	754	6.6	6.88	0	0	0
	21:46	764	8.1	12,839	632	47	6.94	6,280	716	5.8	6.88	4,691	24.5	6.88
	22:01	753	8.3	9,317	611	46	6.94	11,308	753	3.8	6.88	0	0	0
	22:16	770	8.3	10,594	995	45.4	6.93	8,914	733	6.8	6.88	1,940	37.7	6.88
	22:31	786	8.2	11,522	615	45.1	6.92	8,580	745	5.6	6.88	2,743	13.5	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:46	770	8.5	9,306	645	45.4	6.9	11,300	753	5.4	6.87	0	0	0
	23:01	769	8.3	12,352	732	43.6	6.9	6,682	688	7.3	6.86	3,713	25.7	6.85
	23:16	774	8.4	9,803	609	42.2	6.89	10,553	773	3.4	6.85	1,213	14.2	6.85
	23:31	761	8.7	9,321	622	39.9	6.9	11,287	753	5.4	6.85	0	0	0
	23:46	764	8.4	12,803	622	38.8	6.9	6,414	708	5.4	6.85	4,488	23.7	6.85
AVERAGES/TOTALS		766	7.82	976,011	691	60.7	6.96	772,026	703	5.2	6.92	243,069	23.9	6.92
MAXIMUM		787	8.90	13,844	995	117.0	7.06	11,697	940	8.8	7.02	14,925	48.3	7.02
MINIMUM		744	5.70	1,347	467	33.4	6.89	1,648	580	2.2	6.85	249	6.3	6.85
3/23/2021														
	0:01	764	8.6	9,289	597	38.8	6.89	11,294	752	3.3	6.85	0	0	0
	0:16	770	8.7	10,372	995	38.7	6.88	9,370	732	5.9	6.84	1,571	39.6	6.83
	0:31	785	8.6	11,747	620	38.5	6.88	8,329	741	4	6.83	2,914	14.6	6.83
	0:46	770	8.9	9,250	611	37.8	6.87	11,272	750	4.3	6.82	0	0	0
	1:01	765	8.3	12,188	903	36.8	6.87	6,919	695	6.2	6.82	3,522	24.8	6.82
	1:16	763	8.5	9,949	618	36.1	6.87	10,721	764	4	6.83	995	14.2	6.83
	1:31	769	8.8	9,280	601	35.9	6.86	11,248	750	4.9	6.83	0	0	0
	1:46	766	8.5	12,909	610	35.1	6.87	5,931	718	5.8	6.83	5,150	23.9	6.83
	2:01	770	8.7	9,259	641	34.8	6.87	11,271	753	3.7	6.83	0	0	0
	2:16	773	8.8	10,215	995	34	6.87	9,680	730	5	6.84	1,214	45.3	6.84
	2:31	765	8.6	11,911	595	33.5	6.87	7,651	743	3.7	6.83	3,646	17.3	6.83
	2:46	781	8.9	9,227	636	33.5	6.87	11,248	750	3.7	6.83	0	0	0
	3:01	730	8.3	11,992	872	33	6.87	7,236	693	5.7	6.82	3,173	25.1	6.82
	3:16	753	8.5	9,962	624	32.6	6.87	10,462	752	3.1	6.83	995	12.6	6.83
	3:31	739	8.8	9,236	607	32.9	6.87	11,181	747	4.2	6.82	0	0	0
	3:46	757	8.5	12,705	634	32.6	6.87	6,726	692	5.4	6.82	3,934	23.2	6.82
	4:01	785	8.7	9,243	615	33.4	6.86	11,175	749	3	6.82	0	0	0
	4:16	762	8.5	9,925	995	33.5	6.86	10,070	730	5.2	6.81	867	46.5	6.8
	4:31	764	8.4	11,907	601	33	6.86	8,062	722	4	6.81	2,776	17.8	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:46	764	8.7	9,183	605	33.3	6.84	11,208	747	3.7	6.8	0	0	0
	5:01	781	8.6	11,757	670	33	6.84	7,373	704	5.5	6.8	3,181	25.3	6.8
	5:16	769	8.7	10,091	596	33.3	6.84	10,606	740	3.5	6.8	706	12.1	6.8
	5:31	0	8.8	9,198	613	33.4	6.82	11,171	744	4	6.78	0	0	0
	5:46	780	8.3	12,766	610	32.9	6.82	6,360	704	5.7	6.78	4,544	22.8	6.78
	6:01	779	8.5	9,160	614	34.1	6.82	11,171	746	3.7	6.79	0	0	0
	6:16	768	8.7	9,716	995	34.1	6.81	10,326	726	5	6.78	480	42.8	6.78
	6:31	779	8.5	12,305	641	34	6.82	6,685	741	4.9	6.78	4,595	21.3	6.78
	6:46	758	8.8	9,169	625	34.8	6.81	11,175	744	4.1	6.78	0	0	0
	7:01	778	8.6	11,554	756	35.2	6.81	6,790	716	5.3	6.78	3,878	25.8	6.78
	7:16	767	8.7	10,463	626	35.5	6.82	10,207	741	4.4	6.78	1,244	13	6.78
	7:31	738	8.5	9,105	633	35.1	6.81	11,143	743	4.6	6.78	0	0	0
	7:46	743	8.4	12,754	629	34.6	6.81	5,599	701	6	6.78	5,357	23	6.78
	8:01	767	8.6	9,198	616	35.7	6.81	11,130	744	3.8	6.78	0	0	0
	8:16	757	8.8	9,458	995	36.3	6.81	10,633	721	5	6.77	117	10.2	6.76
	8:31	757	8.6	12,531	606	37.4	6.81	6,143	742	5	6.78	5,128	23	6.77
	8:46	783	8.9	9,096	613	43.1	6.81	11,091	738	4.5	6.78	0	0	0
	9:01	772	8.5	10,333	995	46.5	6.81	8,957	716	6.3	6.77	1,779	42.9	6.77
	9:16	743	8.4	11,761	603	51.3	6.82	6,408	778	4.7	6.78	5,357	16.7	6.78
	9:31	779	8.7	9,081	590	54.6	6.82	11,085	738	5.8	6.78	0	0	0
	9:46	782	8.5	11,903	895	55.4	6.83	5,960	704	7.6	6.78	4,593	30.7	6.78
	10:01	750	8.6	10,230	588	57.9	6.84	9,393	767	4.9	6.8	2,530	15.4	6.78
	10:16	761	8.9	9,057	588	59.8	6.84	11,044	736	6.7	6.8	0	0	0
	10:31	768	8.2	12,967	667	59.7	6.85	4,200	730	7.9	6.8	7,132	26.9	6.8
	10:46	753	8.6	9,193	618	61.8	6.86	11,168	746	5	6.82	0	0	0
	11:01	775	8.7	9,141	995	61.7	6.86	10,901	731	7.6	6.82	0	0	0
	11:16	746	8.4	12,987	601	60.2	6.87	4,444	767	5.5	6.83	7,132	26.9	6.83
	11:31	743	8.7	9,098	612	61.7	6.87	11,010	733	5.6	6.83	0	0	0
	11:46	0	7.9	10,682	995	61.2	6.89	8,186	712	8.1	6.85	2,481	41.5	6.85

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:01	757	7.6	11,376	597	57.4	6.9	7,131	772	4.5	6.87	4,638	17.4	6.85
	12:16	774	7.8	9,015	592	60.3	6.9	11,011	732	6	6.87	0	0	0
	12:31	0	7.7	12,208	0	54	6.92	5,329	692	6.4	6.87	5,162	27.7	6.87
	12:46	0	6.9	6,708	995	59.3	6.92	3,192	764	6.4	6.88	3,324	17.3	6.88
	13:01	751	6.4	13,984	956	50.7	6.92	3,123	575	5.4	6.88	5,528	17	6.88
	13:16	777	6.5	11,340	601	56.1	6.92	8,642	642	6.1	6.89	989	15.7	6.88
	13:31	774	6.3	11,336	995	56.9	6.95	6,861	703	7.4	6.9	3,665	29.6	6.91
	13:46	758	6.5	9,964	574	57.3	6.96	8,254	720	4.9	6.92	2,848	14.5	6.91
	14:01	764	7.1	8,468	0	61.1	6.95	10,394	692	7.4	6.92	0	0	0
	14:16	763	6.7	11,402	660	61.7	6.94	478	654	8.3	6.91	9,123	28.3	6.91
	14:31	756	6.9	9,219	581	54.1	6.95	10,896	752	5.1	6.93	498	11.6	6.91
	14:46	737	7.2	8,793	926	51.1	6.97	10,914	727	7.2	6.94	0	0	0
	15:01	768	6.9	12,620	588	49.3	6.98	5,085	724	6.1	6.95	5,290	25.4	6.95
	15:16	754	7.2	8,807	577	46.1	6.99	10,880	725	4.1	6.96	0	0	0
	15:31	763	7.4	9,674	995	44	7.01	9,490	705	6.2	6.98	1,033	47.3	6.98
	15:46	752	7.3	11,707	568	45.4	7.02	7,427	722	4.4	6.99	3,546	19.7	6.98
	16:01	753	7.6	8,746	589	44.4	7.03	10,928	728	4.6	7	0	0	0
	16:16	756	7.5	11,269	731	44.8	7.04	6,817	698	6.3	7.01	3,600	27.7	7.02
	16:31	765	7.6	10,003	598	43.7	7.05	10,126	721	4	7.03	996	13.8	7.03
	16:46	760	7.9	8,788	585	44.8	7.08	10,884	727	5	7.05	0	0	0
	17:01	754	7.7	12,492	598	47.5	7.08	5,680	670	6.8	7.06	4,815	25.2	7.06
	17:16	771	7.9	8,778	580	50.9	7.07	10,982	734	3.9	7.05	0	0	0
	17:31	731	8.3	8,773	995	49.7	7.07	10,870	727	6.4	7.05	0	0	0
	17:46	762	8	12,593	569	47.5	7.07	5,730	695	5.5	7.04	5,046	26.2	7.04
	18:01	0	8.2	8,715	592	52.1	7.07	10,909	724	4.8	7.04	0	0	0
	18:16	0	6.5	10,094	995	48.5	7.07	8,742	704	7.6	7.05	1,734	44.6	7.05
	18:31	0	5.7	9,291	0	36.7	7.07	5,716	711	4.5	7.06	2,880	15.8	7.05
	20:16	736	6.7	9,439	592	34.5	7.05	9,791	765	6.5	7.04	1,798	15.2	7.03
	20:31	770	6.7	10,278	995	39.7	7.04	8,399	699	6.7	7.04	2,092	37.6	7.03

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:46	757	6.7	11,093	557	41	7.03	8,147	729	5	7.03	2,948	14.7	7.03
	21:01	758	7	8,698	577	45.6	7.03	10,842	721	6.2	7.03	0	0	0
	21:16	769	6.8	11,909	708	47.4	7.03	5,565	689	8.6	7.03	4,803	26.7	7.02
	21:31	782	7	9,350	597	48.5	7.03	10,451	747	0.7	7.03	991	21.3	7.03
	21:46	0	5.7	8,660	570	46.2	7.03	10,805	718	6.8	7.02	0	0	0
	22:01	0	5.5	3,657	0	38.8	7.03	2,504	648	8.3	7.02	209	49.7	7.02
	23:01	738	6.5	4,290	597	34.3	7.04	2,327	855	5.6	7.02	2,836	38.7	7.02
	23:16	758	6.8	8,710	570	39.8	7.02	10,811	724	5.2	7.02	0	0	0
	23:31	765	7.1	8,674	861	45.3	6.99	10,789	718	8.8	6.99	0	0	0
	23:46	739	6.7	13,796	620	44.8	6.98	1,182	924	7.6	6.98	11,257	26.2	6.98
	AVERAGES/TOTALS	762	7.90	889,220	697	44.1	6.92	749,517	728	5.4	6.89	182,640	25.1	6.88
	MAXIMUM	785	8.90	13,984	995	61.8	7.08	11,294	924	8.8	7.06	11,257	49.7	7.06
	MINIMUM	730	5.50	3,657	557	32.6	6.81	478	575	0.7	6.77	117	10.2	6.76
3/24/2021														
	0:01	741	6.9	8,762	566	48	6.98	10,973	731	5.9	6.99	0	0	0
	0:16	735	7.2	8,615	995	48.2	7	10,733	717	8.6	6.99	0	0	0
	0:31	751	7.1	12,155	580	47.7	7	8,497	568	9.1	6.99	0	0	0
	0:46	753	7.5	8,616	588	47.5	7	10,742	717	6.1	6.99	0	0	0
	1:01	761	7.5	10,267	995	47.9	7	8,137	697	8.4	6.99	2,254	42.8	6.99
	1:16	745	7.5	11,128	580	48	7.01	7,015	755	4.9	7.01	4,473	17.3	6.99
	1:31	0	6.7	8,631	576	50.9	7.04	10,705	714	8.1	7.02	0	0	0
	1:46	0	5.6	10,542	0	36	7.07	5,414	679	9	7.04	3,655	23.9	7.05
	2:01	0	5.6	23	0	28.5	7.07	0	0	0	0	0	9	7.06
	3:16	757	6.3	49	851	13.6	7.08	0	0	0	0	56	14.5	7.06
	3:31	779	6.7	9,469	597	29.2	7.08	9,336	746	3.4	7.07	2,348	34	7.06
	3:46	742	7	8,595	583	41.5	7.08	10,674	714	5.2	7.08	0	0	0
	4:01	760	6.8	12,474	580	41.5	7.07	5,164	669	7.2	7.07	5,457	24.7	7.06
	4:16	762	7	8,735	562	46.8	7.07	10,829	724	4.9	7.06	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:31	772	7.3	9,166	995	50.3	7.07	9,060	711	8.6	7.06	2,239	32.4	7.06
	4:46	758	6.9	12,891	550	47.2	7.07	3,769	793	5.8	7.06	7,731	24.2	7.06
	5:01	758	7.3	8,538	570	48.4	7.07	10,656	711	6.4	7.06	0	0	0
	5:16	752	7.3	10,892	995	47.2	7.08	5,871	710	9.1	7.07	5,616	32.3	7.08
	5:31	777	7.2	11,222	572	49.9	7.09	6,621	755	5.8	7.08	4,855	17.1	7.08
	5:46	751	7.4	9,787	834	54.4	7.09	7,301	710	8.5	7.08	4,722	24.5	7.08
	6:01	754	7	13,722	846	49.4	7.1	0	0	0	0	12,623	22.9	7.09
	6:16	748	7.1	9,585	572	53.1	7.11	9,264	742	6.8	7.1	2,332	18.3	7.1
	6:31	751	7	11,784	833	52.1	7.13	2,107	706	9.2	7.12	11,940	18.9	7.13
	6:46	0	5.7	13,300	593	48.9	7.15	1,158	923	7.9	7.15	10,911	22	7.14
	7:01	0	5.7	2,721	0	43.7	7.17	3,352	751	5.7	7.15	10	4.4	7.15
	7:31	739	6.5	4,624	572	34.4	7.18	4,139	785	4.7	7.17	1,573	12.3	7.16
	7:46	781	6.9	8,524	571	38.5	7.18	10,668	710	4.4	7.17	0	0	0
	8:01	757	6.6	12,605	576	43.1	7.19	5,292	687	6.2	7.18	5,495	24.4	7.18
	8:16	767	6.9	8,548	557	54.4	7.19	10,643	710	4.6	7.18	0	0	0
	8:31	761	6.9	11,110	995	48.1	7.17	6,171	708	7	7.17	5,294	19.9	7.16
	8:46	769	6.8	11,826	663	39.3	7.15	8,647	911	6.6	7.15	5,158	11	7.15
	9:01	806	6.6	12,740	995	49.2	7.15	5,504	844	8.2	7.14	7,256	22.7	7.15
	9:16	819	6.2	14,761	832	60.1	7.16	0	0	0	0	12,599	21.1	7.15
	9:31	816	5.7	14,816	995	64.5	7.18	0	0	0	0	12,474	22.7	7.16
	9:46	790	5.3	13,599	995	58.6	7.2	0	0	0	0	13,220	21.1	7.18
	10:01	806	5.2	11,927	651	53.8	7.2	6,959	820	6.7	7.17	5,080	18.2	7.19
	10:16	790	5.2	11,652	995	53.2	7.18	6,783	801	7.3	7.17	5,343	27.6	7.17
	10:31	785	5.3	5,254	0	70	7.18	0	0	0	0	3,594	28.2	7.17
	10:46	810	5.8	6,288	714	53.9	7.18	5,631	902	6	7.17	1,935	23.2	7.17
	11:01	800	5.9	11,051	826	47.5	7.2	10,620	866	6.7	7.19	2,732	18.6	7.2
	11:16	794	5.6	13,694	655	59.7	7.22	683	931	6.3	7.22	11,531	23.8	7.2
	11:31	791	5.8	9,240	619	52.6	7.24	11,342	758	4.7	7.23	0	0	0
	11:46	807	6.1	9,047	995	58.8	7.26	11,120	740	6.6	7.25	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:01	811	5.9	12,835	637	59.1	7.26	4,975	737	5.4	7.25	5,930	25.5	7.25
	12:16	792	6.2	9,061	588	57.2	7.28	10,918	728	5.1	7.27	0	0	0
	12:31	810	6.3	10,468	995	52.1	7.29	8,422	687	6.9	7.27	53	44.2	7.27
	12:46	786	6.3	11,433	600	49.8	7.29	0	0	4.6	7.29	0	17.2	7.28
	13:01	778	6.7	9,103	600	48.9	7.29	0	0	4.6	7.29	0	0	0
	13:16	813	6.5	12,036	848	46.8	7.3	0	0	5.8	7.29	0	27.9	7.29
	13:31	803	6.8	9,885	605	46.3	7.3	0	0	3.8	7.3	0	17	7.3
	14:01	813	7.3	3,706	694	47.8	7.3	0	0	3.7	7.3	201	3.1	7.3
	14:16	819	7.6	9,657	995	48.6	7.32	8,425	745	5.2	7.31	2,163	17	7.3
	14:31	812	7.4	12,376	645	45.9	7.32	6,706	748	4.4	7.31	4,492	24.6	7.31
	14:46	818	7.6	9,258	622	47.5	7.33	11,267	755	3.8	7.32	0	0	0
	15:01	800	7.7	11,229	995	43.1	7.33	7,960	722	5.7	7.33	2,760	29.9	7.33
	15:16	798	7.7	10,789	594	37.7	7.33	10,228	746	3.1	7.33	1,148	12	7.33
	15:31	825	8.1	9,299	604	37.7	7.32	11,361	759	3.4	7.33	0	0	0
	15:46	782	7.9	12,475	643	35.1	7.31	6,987	665	5.2	7.31	3,356	26	7.31
	16:01	795	8.1	9,484	616	33.5	7.3	11,696	777	2.4	7.31	0	5.7	7.31
	16:16	781	8.5	9,262	980	32.9	7.3	11,482	763	3.6	7.29	0	0	0
	16:31	792	8.3	12,362	615	31.4	7.28	7,970	662	4.3	7.29	2,087	29	7.29
	16:46	0	6.9	9,286	622	30.2	7.28	11,453	764	2	7.29	0	0	0
	17:01	0	5.6	10,077	114	22	7.27	10,004	738	2.7	7.29	1,032	34.8	7.28
	17:16	0	5.6	1,792	0	19	7.27	0	0	0	0	882	5.5	7.28
	18:31	805	6.4	690	738	33.2	7.27	114	539	6.5	7.27	690	29.6	7.27
	18:46	813	6.7	9,857	626	21.7	7.27	11,061	792	1.9	7.28	995	23.8	7.27
	19:01	815	7.1	9,236	598	33.1	7.26	11,353	759	3.5	7.28	0	0	0
	19:16	812	7	12,423	691	34.4	7.24	6,695	686	6.2	7.26	3,798	25.5	7.25
	19:31	805	7.2	9,631	608	36.1	7.22	11,364	783	3.6	7.24	498	12.1	7.25
	19:46	801	7.5	9,211	613	37.3	7.2	11,373	758	5.9	7.22	0	0	0
	20:01	811	7.3	12,814	628	44.3	7.19	6,108	718	6.8	7.21	4,875	24.3	7.21
	20:16	792	7.6	9,226	614	60.8	7.19	11,405	761	6.1	7.21	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:31	790	7.6	11,746	995	61.8	7.19	5,213	801	7.3	7.2	7,925	26.1	7.21
	20:46	815	7.3	12,333	612	58.5	7.19	5,732	817	4.9	7.21	6,075	21.6	7.21
	21:01	823	7.7	9,242	622	52.1	7.19	11,335	758	5.4	7.2	0	0	0
	21:16	824	7.6	11,419	995	48.8	7.18	7,161	731	8.2	7.19	3,553	30.3	7.19
	21:31	834	7.7	10,727	637	46.4	7.16	10,111	761	4.7	7.17	1,592	14.2	7.18
	21:46	838	8.1	9,231	623	44.8	7.13	11,432	761	6.2	7.14	0	0	0
	22:01	808	7.9	12,666	650	47.7	7.1	4,972	724	8.4	7.12	6,054	24	7.11
	22:16	808	8.1	9,449	611	54	7.08	11,724	782	5.3	7.09	0	0	0
	22:31	828	8.2	10,458	995	55.4	7.06	8,553	760	8.2	7.07	2,976	38.2	7.07
	22:46	813	8.1	12,019	622	55.9	7.06	6,503	810	5.2	7.07	5,331	17.6	7.07
	23:01	820	8.4	9,217	622	53.4	7.05	11,414	761	6.6	7.06	0	0	0
	23:16	0	7.6	12,084	858	51.9	7.04	4,936	758	9.2	7.04	6,476	27.9	7.04
	23:31	0	6.3	10,427	0	46	7.03	9,610	786	4.2	7.04	2,375	15.7	7.04
	23:46	0	6.4	627	0	39.6	7.03	751	758	3.7	7.04	15	3.9	7.04
	AVERAGES/TOTALS	789	6.90	843,581	711	45.9	7.17	590,354	749	5.8	7.17	251,838	21.8	7.17
	MAXIMUM	838	8.50	14,816	995	70.0	7.33	11,724	931	9.2	7.33	13,220	44.2	7.33
	MINIMUM	735	5.20	23	114	13.6	6.98	114	539	1.9	6.99	10	3.1	6.99
3/25/2021														
	0:01	788	6.7	4,879	600	34.4	7.03	5,989	796	4.6	7.02	60	3.1	7.02
	0:16	822	6.7	10,872	995	39.7	7.02	8,182	729	4.5	7.02	2,513	31.5	7.02
	0:31	831	6.7	11,129	615	45.1	7.03	9,442	755	4.3	7.02	2,044	13.1	7.02
	0:46	836	7	9,222	609	43.3	7.02	11,323	756	5.4	7.02	0	0	0
	1:01	820	6.9	12,320	734	42.5	7.02	6,576	691	7.5	7.01	3,796	26.5	7.01
	1:16	830	7.1	9,679	606	42.5	7.03	10,918	779	3.8	7.02	995	13.7	7.02
	1:31	813	7.4	9,177	623	42.3	7.03	11,390	757	5.8	7.02	0	0	0
	1:46	786	7.2	12,790	598	46.7	7.03	6,131	720	6.7	7.02	4,780	23.9	7.01
	2:01	785	7.4	9,188	613	69.1	7.04	11,354	758	5.6	7.02	0	0	0
	2:16	808	7.3	11,775	811	76.7	7.07	5,846	756	8.8	7.04	5,302	29.3	7.06

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:31	809	7.4	10,474	611	73.8	7.09	9,758	779	3.7	7.08	2,109	14.6	7.06
	2:46	819	7.8	9,196	624	64	7.09	11,366	756	5.1	7.07	0	0	0
	3:01	811	7.6	12,690	634	62.9	7.07	5,650	704	7.8	7.05	5,207	26.1	7.04
	3:16	817	7.8	9,278	615	64.4	7.04	11,544	771	4.3	7.03	0	0	0
	3:31	818	8.1	9,217	995	67	7.02	11,284	754	7.7	7	0	0	0
	3:46	779	7.9	13,010	626	63.8	7.01	4,560	820	5.5	6.99	7,143	24.6	6.99
	4:01	807	8.1	9,158	616	59.7	6.99	11,342	758	5.1	6.97	0	0	0
	4:16	807	8.3	10,418	995	60.5	6.98	9,149	738	8.1	6.95	1,756	44	6.95
	4:31	809	8.2	11,649	613	63.1	6.98	7,356	793	4.5	6.95	4,386	16.8	6.95
	4:46	817	8.5	9,200	634	63.4	6.98	11,339	757	5.9	6.95	0	0	0
	5:01	822	8.4	11,943	872	64.1	6.98	6,125	730	8.6	6.95	4,527	27.2	6.95
	5:16	793	8.5	10,122	611	67	6.98	10,394	781	4.4	6.96	1,590	15.4	6.95
	5:31	805	8.9	9,210	583	66.8	6.98	11,323	755	6.5	6.96	0	0	0
	5:46	831	8.7	12,771	643	66.1	6.98	5,738	721	7.8	6.96	5,230	25.8	6.96
	6:01	828	8.9	9,277	603	67.4	6.98	11,446	763	3.8	6.96	0	0	0
	6:16	814	8.8	9,259	995	66.9	6.98	11,250	754	6.7	6.95	0	0	0
	6:31	834	8.6	12,713	595	67.3	6.98	6,287	727	4.8	6.94	4,831	25.5	6.94
	6:46	0	8.8	9,131	615	71.7	6.98	11,340	758	4.1	6.94	0	0	0
	7:01	836	8.7	10,789	995	71	6.98	8,381	733	7	6.94	2,421	36.4	6.94
	7:16	834	8.7	11,151	618	71.1	6.99	9,212	750	3.7	6.94	2,207	13.4	6.94
	7:31	0	7.7	11,053	995	73.4	6.99	7,966	730	4	6.94	2,793	27.7	6.94
	7:46	845	6.3	10,761	604	66.2	6.98	9,625	743	3.2	6.94	1,666	12.7	6.94
	8:01	838	6.9	9,116	581	59.8	6.98	11,298	754	2.2	6.94	0	0	0
	8:16	833	6.8	12,318	617	67.4	6.99	7,193	673	4.6	6.95	2,915	25.3	6.94
	8:31	822	7.1	9,165	599	68	7.02	11,340	757	2.1	6.97	0	0	0
	8:46	828	7.5	9,094	594	67.8	7.03	11,281	753	3.3	6.99	0	0	0
	9:01	823	7.3	12,620	634	72.4	7.02	6,282	703	5	6.98	4,271	23.7	6.98
	9:16	825	7.7	9,173	613	75.6	7.01	11,270	752	3.5	6.96	0	0	0
	9:31	816	7.8	9,841	995	78	7	10,051	734	7.3	6.95	877	46.8	6.94

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:46	808	7.8	12,081	609	83.7	6.98	6,425	783	4	6.94	5,041	20.5	6.94
	10:01	837	8.1	9,081	599	86.8	6.97	11,293	753	4.8	6.92	0	0	0
	10:16	820	8.1	11,386	995	86.6	6.96	7,039	727	8.6	6.91	3,627	30.9	6.9
	10:31	828	8.2	10,624	617	85	6.95	483	43	3.5	6.9	1,294	13.8	6.9
	10:46	25	8.4	8,833	142	81.3	6.95	0	0	4.1	6.9	0	5.5	6.9
	11:01	821	7.2	11,345	617	70.7	6.97	5,246	720	4.5	6.91	4,103	18.3	6.9
	11:16	810	7.6	9,262	600	64.3	6.97	11,252	747	1.3	6.92	0	0	0
	11:31	820	7.7	9,872	995	80.5	6.97	10,232	723	2.8	6.92	528	42.2	6.92
	11:46	840	7.8	11,754	609	80.4	6.97	8,328	708	3.3	6.92	2,275	20.7	6.92
	12:01	825	8.1	9,266	605	82.9	6.97	11,206	749	2.2	6.93	0	0	0
	12:16	808	8.1	11,434	995	89.7	6.97	7,319	717	4.7	6.93	3,236	27.3	6.92
	12:31	831	8.1	10,456	607	91.5	6.96	10,659	736	3.1	6.92	468	9	6.92
	12:46	818	8.6	9,280	639	88.4	6.95	11,213	750	3.5	6.91	0	0	0
	13:01	830	7.8	12,560	623	83.9	6.95	6,372	691	6.2	6.9	4,123	26	6.9
	13:16	820	8.1	9,394	608	80.2	6.95	11,350	756	1.9	6.9	0	0	0
	13:31	822	8.4	9,225	995	89.4	6.94	11,202	747	4.2	6.9	0	0	0
	13:46	819	8.1	12,980	604	87.6	6.93	4,517	755	5.7	6.88	6,757	24	6.88
	14:01	830	8.5	9,206	607	86.6	6.93	11,232	750	6.3	6.88	0	0	0
	14:16	819	8.5	11,325	995	81	6.93	5,979	749	9.1	6.89	6,155	31.9	6.9
	14:31	850	8.3	12,049	627	78.1	6.94	6,396	800	5.3	6.9	5,410	20.6	6.9
	14:46	832	8.7	9,206	603	77.1	6.94	11,220	750	6.1	6.91	0	0	0
	15:01	820	8.7	11,727	878	78.1	6.96	6,423	721	8.4	6.91	4,165	30.7	6.91
	15:16	821	8.6	11,265	613	47.4	6.96	6,880	791	3.6	6.91	5,864	13	6.91
	15:31	806	8.5	12,772	658	51	6.95	5,124	725	5.4	6.91	5,938	23.1	6.91
	15:46	844	8.6	9,290	590	56.1	6.94	11,376	758	4.3	6.91	0	0	0
	16:01	815	8.9	9,158	995	59	6.95	11,228	749	7.7	6.91	0	0	0
	16:16	827	8.7	13,049	584	61.7	6.96	4,286	767	6.8	6.93	7,152	26.4	6.93
	16:31	0	8.3	9,104	608	69.9	6.97	11,218	747	7	6.93	0	0	0
	16:46	833	7.9	12,509	995	62.3	6.97	2,436	747	9.6	6.95	10,587	28.5	6.95

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:01	860	7.8	12,325	621	64.1	6.99	5,565	827	7	6.96	6,878	18.7	6.95
	17:16	834	8.1	9,127	823	67.3	7	11,168	744	7.9	6.98	0	0	0
	17:31	836	7.8	13,884	882	68.7	7.02	181	736	9.9	6.98	12,434	28.8	6.99
	17:46	834	7.8	10,984	620	68.9	7.03	8,262	808	6.9	7.01	4,579	16.3	7.01
	18:01	822	8.2	9,253	857	62.5	7.04	10,970	743	8.7	7.02	249	10	7.03
	18:16	826	7.8	13,881	625	59.2	7.04	1,151	928	8.2	7.03	11,303	27.9	7.03
	18:31	825	8.1	9,238	611	58	7.05	11,335	756	5.9	7.04	0	0	0
	18:46	826	8.4	9,340	995	54.3	7.05	10,879	729	8.3	7.05	0	0	0
	19:01	825	8.2	12,856	567	51.2	7.05	4,547	794	5.4	7.05	7,064	26.6	7.05
	19:16	805	8.5	9,158	596	50.6	7.06	11,178	744	5.4	7.05	0	0	0
	19:31	857	8.6	10,887	995	48.2	7.07	8,051	718	7.4	7.07	2,600	39.1	7.07
	19:46	817	8.6	11,312	610	45.7	7.07	7,858	786	4.6	7.06	3,966	16.2	7.07
	20:01	0	8.6	9,142	612	44.9	7.06	11,141	743	5.6	7.05	0	0	0
	20:16	0	6.6	12,306	739	41.5	7.06	5,681	704	7	7.05	4,919	26.7	7.05
	20:31	819	5.8	9,709	0	34.2	7.06	10,468	762	3.6	7.05	1,244	16.5	7.05
	20:46	832	6.7	5,233	593	33	7.06	6,142	765	4.2	7.04	242	3.5	7.04
	21:01	852	6.6	11,406	995	38.8	7.05	6,906	708	4.8	7.04	3,668	29.3	7.03
	21:16	837	6.7	10,589	606	40.1	7.06	9,045	768	4.1	7.04	2,717	13.4	7.03
	21:31	851	7.1	9,092	616	40.2	7.06	11,037	736	5.3	7.05	0	0	0
	21:46	828	6.9	12,694	638	41.4	7.06	4,359	676	6.8	7.05	4,895	24.5	7.05
	22:01	827	7.2	9,285	592	42.1	7.08	0	0	4.3	7.08	0	0	0
	22:16	822	7.5	9,060	995	40.1	7.09	0	0	6.1	7.1	0	0	0
	22:31	824	7.3	12,903	576	38.3	7.11	0	0	5.5	7.11	0	24.4	7.11
	22:46	818	7.6	9,040	600	38.3	7.11	0	0	4.2	7.11	0	0	0
	23:01	791	7.8	10,185	995	37.5	7.11	0	0	6.1	7.11	0	44.1	7.11
	23:16	847	7.8	11,722	605	36.7	7.11	0	0	4.3	7.11	0	16.9	7.11
	23:31	828	8.1	9,047	595	39.8	7.11	0	0	5	7.11	0	0	0
	23:46	0	6.2	11,797	880	37	7.11	0	0	6.5	7.11	0	27.5	7.11

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		814	7.84	1,009,776	703	62.3	7.01	742,159	742	5.5	6.98	216,900	23.2	6.98
MAXIMUM		860	8.90	13,884	995	91.5	7.11	11,544	928	9.9	7.11	12,434	46.8	7.11
MINIMUM		25	5.80	4,879	142	33.0	6.93	181	43	1.3	6.88	60	3.1	6.88
3/26/2021														
	0:01	0	5.7	7,298	0	30.8	7.11	0	0	4.5	7.11	0	13.8	7.11
	1:16	832	6.5	3,619	600	26.7	7.11	0	0	3.9	7.09	0	12.6	7.09
	1:31	843	6.9	9,067	608	28.2	7.1	0	0	3.2	7.09	0	0	0
	1:46	822	6.7	12,890	613	33	7.08	0	0	5.5	7.07	0	21.4	7.06
	2:01	824	7	9,138	609	36	7.06	0	0	5	7.03	0	0	0
	2:16	825	7.2	9,223	995	36.8	7.05	0	0	6.3	7.02	0	0	0
	2:31	834	7.1	12,905	594	37.2	7.04	0	0	6.2	7.02	0	23.4	7.02
	2:46	832	7.4	9,003	592	40.9	7.04	0	0	5.9	7.03	0	0	0
	3:01	815	7.5	10,758	995	40.5	7.03	0	0	7.7	7.03	0	37.8	7.02
	3:16	828	7.5	11,419	616	40.4	7.03	0	0	6.1	7.02	0	17.1	7.02
	3:31	822	7.9	8,981	607	42.7	7.03	0	0	6.9	7.02	0	0	0
	3:46	0	5.9	12,312	887	40.5	7.03	0	0	8.2	7.02	0	27.7	7.02
	4:01	0	5.7	4,544	0	37	7.04	0	0	6.3	7.04	0	15.2	7.03
	5:16	844	6.8	8,162	611	31.3	7.03	0	0	4.2	7.03	0	12.9	7.02
	5:31	850	7	9,658	995	35.9	7.03	0	0	5.5	7.04	0	46.6	7.04
	5:46	824	6.8	12,449	588	37.3	7.04	0	0	5.8	7.04	0	21.1	7.04
	6:01	811	7.2	9,002	615	38.9	7.05	0	0	6.2	7.04	0	0	0
	6:16	815	7.2	11,221	995	40	7.04	0	0	7.6	7.03	0	34.1	7.02
	6:31	823	7.3	11,028	582	41.3	7.03	0	0	6.5	7.02	0	16.1	7.02
	6:46	821	7.6	8,933	596	43.6	7.03	0	0	7.5	7.02	0	0	0
	7:01	845	7.5	12,649	858	42.7	7.03	0	0	8.6	7.02	0	28	7.02
	7:16	807	7.7	9,810	612	43.8	7.03	0	0	6.8	7.02	0	12.1	7.02
	7:31	0	7.4	8,994	995	44.7	7.03	0	0	8.4	7.02	0	0	0
	7:46	806	6.2	13,547	615	41.6	7.03	0	0	8.3	7.02	0	25.7	7.02

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:01	826	6.6	9,254	624	44.8	7.03	0	0	6.6	7.02	0	0	0
	8:16	836	7.5	7,377	0	48.6	7.03	0	0	9.1	7.04	0	20.1	7.04
	8:31	825	7.2	7,922	932	47.6	7.04	0	0	0	0	4,607	14.6	7.04
	8:46	0	7.2	10,226	613	53.2	7.05	9,416	751	6.8	7.06	2,488	14.9	7.04
	9:01	0	6.8	4,463	47	56.5	7.07	4,485	719	9.2	7.08	538	12.4	7.09
	9:16	851	6.5	8,463	702	41.7	7.08	0	0	0	0	5,854	14.8	7.08
	9:31	0	6.8	10,171	0	46.5	7.09	8,874	754	5.5	7.11	2,625	15.9	7.1
	9:46	0	6.7	453	0	49.4	7.1	536	720	6.3	7.13	11	6.7	7.12
	10:31	0	6.7	1,226	0	52.4	7.13	257	562	6.9	7.13	1,178	27.4	7.13
	11:31	840	6.3	2,744	706	39.1	7.13	375	675	8.4	7.13	2,731	26	7.13
	11:46	829	6.6	10,727	995	34.8	7.13	8,832	749	6.5	7.14	2,814	24.4	7.13
	12:01	817	5.7	12,014	0	44.4	7.12	4,135	786	8.1	7.13	6,902	18.3	7.13
	12:16	819	6.6	4,511	594	50.1	7.11	4,306	779	8	7.13	1,282	10.4	7.13
	12:31	839	6.4	12,122	827	55.2	7.11	4,643	716	8.3	7.13	5,853	26.7	7.12
	12:46	819	6.6	9,594	590	59.1	7.11	9,374	754	8.4	7.11	2,484	20.4	7.12
	13:01	820	6.4	12,981	595	58.8	7.11	3,643	808	9.1	7.1	7,962	23.6	7.1
	13:16	840	6.7	8,816	593	57.9	7.11	11,011	735	7.7	7.1	0	0	0
	13:31	839	6.4	12,768	615	57	7.11	2,551	622	9.1	7.1	6,036	22.6	7.1
	13:46	816	6.8	8,735	572	57.9	7.11	0	0	6.4	7.1	0	0	0
	14:01	837	7	9,947	995	58	7.11	0	0	8.7	7.1	0	37.7	7.1
	14:16	829	6.9	11,539	580	58.1	7.12	0	0	5.7	7.12	0	17.5	7.1
	14:31	820	7.4	8,621	568	58.8	7.12	0	0	6.9	7.12	0	0	0
	14:46	802	7.4	11,427	808	56.8	7.12	0	0	8.7	7.13	0	27.6	7.14
	15:01	813	7.6	9,779	568	56.5	7.13	0	0	4.8	7.15	0	18.2	7.15
	15:16	826	7.9	8,610	562	57.8	7.14	0	0	5.8	7.17	0	0	0
	15:31	808	7.8	12,279	572	57.1	7.15	0	0	7.3	7.17	0	24.8	7.17
	15:46	808	8.1	8,673	603	59.2	7.15	0	0	4	7.17	0	0	0
	16:01	825	8.5	8,615	995	59.3	7.15	0	0	6.4	7.16	0	0	0
	16:16	827	8.4	12,506	576	58.2	7.15	0	0	5.4	7.17	0	25	7.17

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:31	801	8.7	8,664	576	61.5	7.15	0	0	4.6	7.17	0	0	0
	16:46	0	7.8	10,173	995	60.4	7.15	0	0	6.9	7.17	0	38.3	7.17
	17:01	0	6.2	10,915	574	54.3	7.15	0	0	3.9	7.17	0	13.6	7.17
	17:16	0	5.7	7,575	0	48.8	7.15	0	0	2.8	7.17	0	3.4	7.17
	17:46	829	6.5	4,511	579	50.5	7.15	0	0	4.6	7.17	0	11.4	7.16
	18:01	826	6.4	12,556	564	60.1	7.15	0	0	5.6	7.18	0	20.6	7.17
	18:16	828	6.7	8,584	577	66.6	7.16	0	0	5.1	7.19	0	0	0
	18:31	810	6.9	9,367	995	68.1	7.16	0	0	7	7.2	0	46.4	7.22
	18:46	836	6.8	11,849	561	65.5	7.17	0	0	4.9	7.22	0	21.7	7.22
	19:01	800	7.3	8,590	563	67.2	7.18	0	0	5.2	7.22	0	0	0
	19:16	807	7.2	11,061	995	68.2	7.17	0	0	7.1	7.22	0	31.5	7.2
	19:31	832	7.4	10,234	570	68.1	7.17	0	0	5	7.2	0	15.2	7.2
	19:46	823	7.8	8,584	580	70.1	7.17	0	0	6.2	7.19	0	0	0
	20:01	845	7.6	12,410	639	69.4	7.15	0	0	7.6	7.19	0	24.7	7.17
	20:16	814	7.9	8,860	558	70.8	7.15	0	0	5.2	7.17	0	7.8	7.17
	20:31	851	8.3	8,547	980	71.8	7.14	0	0	6.9	7.15	0	0	0
	20:46	829	8.1	12,779	573	71.5	7.13	0	0	6.6	7.14	0	24.4	7.14
	21:01	0	8.1	8,577	565	78.7	7.12	0	0	5.8	7.14	0	0	0
	21:16	0	6.5	9,714	995	76.3	7.12	0	0	8.2	7.14	0	46.7	7.14
	21:31	815	5.9	9,030	0	66.5	7.11	0	0	5.4	7.14	46	16.7	7.13
	21:46	820	6.7	4,792	552	66.5	7.1	5,890	715	4.4	7.12	20	2.8	7.12
	22:01	792	7.1	8,403	538	74.9	7.1	10,427	694	5.2	7.13	0	0	0
	22:16	829	6.9	12,524	576	76.3	7.11	3,694	680	6.8	7.14	6,781	23.6	7.14
	22:31	807	7.2	8,477	559	80.9	7.11	10,529	705	5.3	7.13	0	0	0
	22:46	0	6.7	8,478	995	82.1	7.11	10,385	694	7.7	7.12	0	0	0
	23:01	0	5.6	10,372	0	78.6	7.12	1,252	673	7.7	7.12	6,850	24.6	7.12

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		824	7.03	738,799	685	53.4	7.10	114,615	715	6.5	7.11	67,062	21.6	7.11
MAXIMUM		851	8.70	13,547	995	82.1	7.18	11,011	808	9.2	7.22	7,962	46.7	7.22
MINIMUM		792	5.60	453	47	26.7	7.03	257	562	2.8	7.02	11	2.8	7.02
3/27/2021														
	0:16	799	6.7	5,339	570	74.2	7.12	5,356	733	3.8	7.12	1,255	15	7.12
	0:31	826	7.1	8,283	522	80.1	7.12	10,346	694	4.8	7.12	0	0	0
	0:46	826	7	12,133	709	81.9	7.11	4,261	654	6.7	7.12	5,866	25.3	7.12
	1:01	817	7.2	8,977	574	84	7.11	9,715	720	5.7	7.1	1,476	13.2	7.11
	1:16	813	7.6	8,365	923	86.4	7.09	10,421	694	7.2	7.08	0	0	0
	1:31	811	7.4	12,891	542	87.6	7.08	2,904	685	8	7.07	8,141	24.7	7.06
	1:46	828	7.8	8,430	571	90	7.07	10,521	701	6.4	7.05	0	0	0
	2:01	807	8	9,306	995	91	7.06	9,057	676	8	7.06	976	47.2	7.05
	2:16	834	8	12,020	546	91.5	7.06	4,311	751	6.5	7.05	7,180	22	7.05
	2:31	815	8.4	8,333	542	94.4	7.06	10,425	695	6.8	7.05	0	0	0
	2:46	799	8.4	11,089	871	95.2	7.06	6,342	669	8.3	7.06	3,567	34.3	7.06
	3:01	814	8.5	10,156	562	96.8	7.06	7,255	726	6.2	7.06	4,303	16.7	7.06
	3:16	0	8.3	8,348	573	100.3	7.05	10,403	693	7.8	7.06	0	0	0
	3:31	0	6.3	12,385	597	97.6	7.05	3,500	644	9	7.06	6,856	27.2	7.06
	3:46	0	5.7	7,696	0	92.1	7.05	9,254	712	5.1	7.06	265	8	7.06
	4:46	807	6.6	5,192	541	93.6	7.03	4,709	734	4.8	7.03	1,711	14.6	7.02
	5:01	813	6.6	10,931	995	99.6	7.03	6,417	660	5.2	7.03	3,323	31.1	7.02
	5:16	797	6.8	10,234	559	103.8	7.02	7,026	725	6.2	7.02	4,474	15.7	7.02
	5:31	805	7.2	8,302	548	105.5	7.01	10,346	688	7	7.01	0	0	0
	5:46	827	7.1	12,306	789	107	7.01	3,647	645	8	7	6,623	27.8	6.99
	6:01	832	7.3	9,131	544	109.7	7	9,094	713	6.8	6.99	2,203	11.9	6.99
	6:16	814	7.7	8,291	995	112.5	7	10,317	689	7.7	6.99	0	0	0
	6:31	808	7.5	13,106	573	114.5	7	2,177	678	8.4	6.98	9,079	24.9	6.98
	6:46	823	7.9	8,338	553	116.7	7	10,426	694	6.8	6.99	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:01	796	8.1	9,564	995	118.4	7	8,521	669	8.3	6.99	1,441	46.9	6.99
	7:16	809	8	11,693	541	119.7	7	4,584	740	6.6	6.99	6,876	20.7	6.99
	7:31	812	8.5	8,256	543	105.1	7	10,350	689	7.1	7	0	0	0
	7:46	0	8.2	4,219	798	95.4	7	4,600	685	8.4	7	519	16.4	6.99
	8:01	818	8.1	13,604	602	39.7	7	470	950	7.5	6.99	11,147	24.7	6.99
	8:16	813	8.4	8,570	525	40	7	10,767	717	6.8	6.99	0	0	0
	8:31	818	8.7	9,076	995	40.5	7.01	9,524	681	8.2	7.01	652	45.4	7.01
	8:46	827	8.5	12,425	576	39.1	7.01	3,872	772	7.1	7	7,917	23.9	7
	9:01	804	9	8,390	558	43.5	7.01	10,408	696	7.3	7	0	0	0
	9:16	0	8.1	10,858	995	42.2	7.01	6,668	672	9	7.01	3,017	36.7	7.01
	9:31	833	7.5	10,637	542	36.6	7.02	6,850	739	6.4	7.01	4,761	17.3	7.01
	9:46	0	7.8	8,380	557	38.8	7.02	10,521	699	7.1	7.01	0	0	0
	10:01	0	5.9	12,332	710	41.6	7.03	3,888	658	9	7.02	6,602	29.4	7.02
	10:16	0	6.4	4,211	0	33.1	7.05	3,988	762	6.3	7.04	1,244	11.2	7.04
	10:46	800	6.8	8,649	551	32.5	7.06	9,566	718	5.6	7.05	1,248	10.2	7.04
	11:01	823	6.8	10,413	995	50	7.08	7,347	675	8	7.07	2,685	39.8	7.07
	11:16	822	7.1	8,151	0	53.2	7.09	0	0	0	0	7,951	17.8	7.09
	12:01	835	7.3	4,349	559	36.8	7.13	5,362	721	5	7.1	17	7.3	7.06
	12:16	816	7.8	8,213	555	36.6	7.14	10,260	688	4.3	7.13	0	0	0
	12:31	800	7.6	12,461	582	42.8	7.16	3,641	653	6	7.15	6,911	25.9	7.15
	12:46	0	7.5	8,464	558	49.9	7.16	10,613	708	5.1	7.16	0	0	0
	13:01	0	7.4	2,294	60	45.6	7.16	1,896	690	6.4	7.17	993	3.3	7.16
	13:16	0	7.3	810	0	32.9	7.17	0	0	0	0	1,024	0.5	7.16
	13:31	831	7.4	5,952	551	31.1	7.18	4,267	769	4.9	7.17	2,981	19.2	7.16
	13:46	787	7.3	12,485	572	35.7	7.19	4,042	678	4.6	7.18	6,508	24	7.19
	14:01	805	7.7	8,277	548	44.1	7.19	10,478	700	4.3	7.19	0	0	0
	14:16	0	6.9	8,531	995	46.4	7.2	10,113	678	5.9	7.2	0	0	0
	14:31	791	6	11,793	517	38.4	7.2	3,902	658	4.7	7.22	6,024	24.7	7.2
	14:46	807	6.6	8,132	530	41.4	7.2	10,234	681	4	7.22	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:01	0	6.7	5,213	0	49.7	7.21	6,385	690	5.6	7.23	235	6.4	7.23
	15:16	0	6	3,610	995	47.2	7.23	0	0	0	0	2,734	33.7	7.24
	15:31	777	6.1	11,225	540	39	7.23	6,019	733	4.7	7.25	4,977	17.1	7.25
	15:46	809	6.6	8,157	524	53	7.23	10,326	689	5.2	7.25	0	0	0
	16:01	0	6.3	4,723	0	53.2	7.23	5,355	692	6.8	7.25	356	14.2	7.25
	16:16	0	6.2	801	0	50.6	7.22	0	0	0	0	973	40.5	7.25
	18:01	812	6.2	7,764	798	39	7.23	0	0	0	0	5,347	30	7.24
	18:16	805	6.4	9,266	537	39.5	7.24	8,991	721	6	7.26	2,280	22.3	7.25
	18:31	804	6.8	8,217	555	48.4	7.26	10,330	689	6.3	7.27	0	0	0
	18:46	828	6.6	12,658	802	51	7.27	2,651	627	7.6	7.28	8,174	24.5	7.28
	19:01	813	6.6	10,680	677	52.2	7.28	10,876	872	7.2	7.3	2,396	6	7.29
	19:16	802	6.4	12,582	789	61.1	7.29	4,936	861	9.1	7.3	6,952	30.5	7.3
	19:31	779	6.3	11,473	684	65	7.29	6,979	871	4.8	7.3	6,318	18.7	7.3
	19:46	799	6.4	10,519	995	57.8	7.28	10,906	855	2.8	7.3	2,170	0.2	7.3
	20:01	817	6.1	13,172	695	56.8	7.29	3,515	875	0.2	7.3	8,158	0.2	7.3
	20:16	799	6.2	10,293	689	60.8	7.29	12,977	861	0.2	7.3	0	0	0
	20:31	800	6	12,268	995	71.3	7.31	6,855	859	0.3	7.32	4,837	23.5	7.32
	20:46	0	5.7	13,534	0	63.7	7.32	0	0	0	0	11,105	23.4	7.32
	21:01	0	5.6	19	0	56.4	7.32	0	0	0	0	24	11	7.32
	21:16	793	6.4	2,125	675	45	7.34	0	0	0	0	2,590	8.7	7.32
	21:31	824	6.7	9,221	995	48.2	7.33	11,141	767	7.1	7.33	494	7.1	7.32
	21:46	820	6.2	14,364	995	51.6	7.3	919	735	9.7	7.33	9,137	24.6	7.32
	22:01	835	6.2	10,732	572	50.7	7.28	7,969	779	6	7.3	3,800	18.3	7.31
	22:16	786	6.4	9,732	995	49.4	7.27	9,494	719	8.1	7.29	1,154	47.7	7.29
	22:31	843	5.9	14,673	714	48.9	7.28	0	0	0	0	10,331	20.1	7.29
	22:46	776	6.1	9,294	578	48.3	7.3	11,177	770	5.7	7.3	496	11.1	7.29
	23:01	787	6.1	11,335	799	47.9	7.31	6,508	707	7.9	7.31	4,350	26	7.32
	23:16	796	6	12,280	797	47.4	7.33	0	0	0	0	14,249	12.6	7.33
	23:31	833	5.7	13,117	802	44.1	7.33	0	0	0	0	13,434	16.7	7.34

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:46	0	5.6	5,118	0	42.6	7.34	0	0	0	0	5,592	17.6	7.35
	AVERAGES/TOTALS	811	7.02	758,936	684	63.8	7.15	519,271	721	6.3	7.13	280,479	20.9	7.16
	MAXIMUM	843	9.00	14,673	995	119.7	7.34	12,977	950	9.7	7.33	14,249	47.7	7.35
	MINIMUM	776	5.60	19	60	31.1	7.00	470	627	0.2	6.98	17	0.2	6.98
3/28/2021														
	0:16	815	5.7	5,138	612	30.8	7.38	2,562	865	7	7.36	3,863	14.8	7.36
	0:31	810	6.1	8,834	591	31.5	7.37	11,096	739	5.7	7.36	0	0	0
	0:46	822	6	12,390	789	39.8	7.35	3,649	734	8.9	7.35	8,258	23.7	7.34
	1:01	829	5.6	13,715	875	39.9	7.33	0	0	0	0	13,725	19.2	7.33
	1:16	816	6.3	6,370	806	39.5	7.33	0	0	0	0	7,325	16.6	7.33
	1:31	832	6.3	11,823	995	47.3	7.33	0	0	0	0	12,190	24.8	7.33
	1:46	846	6.4	12,599	0	36.3	7.36	686	891	2.3	7.34	12,921	18.1	7.34
	2:01	833	6.2	10,821	978	43.6	7.36	0	0	0	0	10,702	20.4	7.35
	2:16	819	5.9	13,352	995	35.7	7.37	0	0	0	0	12,922	16.9	7.37
	2:31	797	5.7	12,899	609	34.6	7.38	3,014	867	2.3	7.37	10,863	16.9	7.37
	2:46	813	6.3	6,012	991	34.8	7.39	7,227	744	2.6	7.38	44	6	7.38
	3:01	830	6	14,694	995	39.1	7.4	233	930	9.3	7.38	12,910	20.3	7.38
	3:16	813	5.5	14,133	995	34.6	7.4	0	0	0	0	13,748	14.3	7.38
	3:31	813	6.3	4,811	867	34.1	7.4	0	0	0	0	4,011	14.6	7.38
	3:46	800	6	14,593	995	40.1	7.41	0	0	0	0	13,223	20.1	7.38
	4:01	838	6.3	8,550	740	35.7	7.43	0	0	0	0	8,808	15.8	7.4
	4:16	821	6.6	9,190	586	35.8	7.43	10,462	730	6	7.4	746	12.4	7.4
	4:31	806	6.4	12,785	970	32.4	7.42	3,267	659	5.4	7.4	6,662	14.3	7.4
	4:46	797	6.5	10,587	554	32.9	7.42	6,544	732	5.2	7.4	4,781	12.4	7.4
	5:01	825	6.9	8,447	961	33.2	7.4	10,279	688	5.3	7.4	0	0	0
	5:16	831	6.8	12,553	563	33.2	7.38	2,692	726	6.3	7.39	8,476	18	7.39
	5:31	820	7.2	8,530	549	32.1	7.38	10,415	693	4.7	7.39	0	0	0
	5:46	825	7.4	9,930	941	33.1	7.4	7,946	677	5.5	7.4	2,164	33	7.41

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:01	799	7.4	11,711	563	37.9	7.37	2,691	775	6.7	7.37	9,548	13.4	7.39
	6:16	805	7.8	8,424	560	40.5	7.34	10,357	691	5.8	7.36	0	0	0
	6:31	823	7.9	11,534	750	40.5	7.32	5,175	672	6.8	7.34	4,787	26.4	7.34
	6:46	829	7.9	10,851	968	39.2	7.32	620	834	7.2	7.34	12,614	12.7	7.34
	7:01	833	7.7	12,916	727	39.7	7.33	0	0	0	0	11,802	13.6	7.34
	7:16	851	7.7	11,430	962	40.4	7.34	0	0	0	0	13,608	11.2	7.35
	7:31	793	7.5	12,797	755	41.2	7.35	0	0	0	0	12,006	15	7.35
	7:46	825	7.6	11,124	954	42.1	7.36	5,350	740	9.7	7.36	5,984	19.5	7.36
	8:01	835	7.5	11,940	749	42.6	7.36	426	849	2.6	7.36	12,360	16.3	7.36
	8:16	797	7.8	10,070	566	42.6	7.36	5,621	733	3.1	7.36	6,618	22.5	7.36
	8:31	812	7.8	11,627	747	42.8	7.36	4,765	674	5.4	7.36	5,534	26.2	7.35
	8:46	821	7.8	11,184	706	43	7.36	0	0	0	0	13,703	14	7.36
	9:01	801	8.2	9,005	568	43.8	7.37	9,609	713	7.4	7.36	1,393	10.5	7.36
	9:16	798	8.1	12,327	750	43.6	7.37	1,942	653	9	7.36	9,159	22	7.36
	9:31	820	8.3	9,333	553	38.6	7.37	8,240	714	5.9	7.36	3,191	13.1	7.36
	9:46	808	8.7	8,876	958	28.6	7.39	9,524	680	8.2	7.36	680	43.8	7.36
	10:01	796	8.6	12,516	603	27.8	7.41	652	853	6.7	7.36	11,444	18.7	7.36
	10:16	0	8.7	8,577	565	26.1	7.41	10,610	707	6.7	7.36	0	0	0
	10:31	0	7	10,441	968	24.9	7.41	6,787	675	6.5	7.37	3,337	29.2	7.37
	10:46	816	6.3	11,638	737	23.5	7.42	0	0	0	0	12,985	14.1	7.37
	11:01	811	6.7	9,342	570	23.6	7.42	8,043	713	8	7.37	3,412	15.2	7.37
	11:16	809	6.8	11,694	737	23.8	7.43	4,129	657	7	7.37	6,130	18.6	7.37
	11:31	793	7	9,418	560	22.7	7.44	7,523	714	6.4	7.37	4,108	11.3	7.37
	11:46	810	7.4	8,336	917	22.6	7.45	10,025	680	6.5	7.38	193	6.7	7.39
	12:01	827	7.3	12,688	654	22	7.46	1,429	813	7.5	7.38	10,016	14.9	7.38
	12:16	796	7.5	9,991	562	21.8	7.47	9,428	789	6.3	7.39	2,698	8.1	7.39
	12:31	809	7.8	9,278	964	26.7	7.47	8,993	676	6.5	7.39	1,154	30.5	7.39
	12:46	793	7.7	12,239	669	35.1	7.48	1,025	822	8.2	7.39	11,058	18.4	7.39
	13:01	822	7.9	10,253	947	33.5	7.5	11,208	815	8.4	7.4	1,114	13.8	7.41

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:16	783	7.7	12,734	714	34.1	7.5	0	0	0	0	11,511	18.7	7.41
	13:31	810	7.9	9,840	566	30.3	7.5	5,631	723	8	7.41	6,518	12.8	7.41
	13:46	826	8.3	9,279	949	28.5	7.5	8,738	671	8.4	7.41	1,315	37.4	7.41
	14:01	828	8.2	12,130	744	27.9	7.5	0	0	0	0	12,153	15.6	7.41
	14:16	825	8.6	8,967	552	28	7.5	9,215	706	7	7.41	1,787	11	7.41
	14:31	800	8.7	10,897	729	30.7	7.5	6,021	663	7.9	7.41	3,932	23.7	7.41
	14:46	809	8.7	11,061	569	35.8	7.5	1,417	796	6.9	7.41	11,635	13.5	7.41
	15:01	821	8.6	8,730	744	44.2	7.5	9,298	690	7	7.41	1,331	26.2	7.43
	15:16	814	8.6	12,711	703	49	7.51	0	0	0	0	11,435	22.5	7.44
	15:31	847	8.4	12,688	729	57.7	7.52	0	0	0	0	11,426	26.6	7.45
	15:46	818	8.3	11,646	919	67	7.51	0	0	0	0	12,572	27.7	7.45
	16:01	818	8.3	11,969	730	77.7	7.52	0	908	8.3	7.45	12,099	35.5	7.45
	16:16	832	8.4	10,882	720	80	7.51	0	0	0	0	13,281	26.9	7.45
	16:31	829	8.3	12,571	736	79.5	7.5	0	0	0	0	11,345	32.2	7.45
	16:46	832	8.3	10,828	745	79.9	7.49	0	0	0	0	13,079	31.6	7.45
	17:01	805	8.4	10,621	918	77.6	7.49	0	0	0	0	12,748	32.3	7.45
	17:16	843	8.2	13,254	940	74.7	7.49	0	0	0	0	10,228	37.8	7.45
	17:31	819	8.1	12,203	570	74.5	7.49	1,872	764	5.3	7.45	9,395	18.4	7.45
	17:46	833	8.3	9,624	995	76	7.48	8,763	645	2.2	7.44	868	12.8	7.43
	18:01	831	8.5	10,911	573	74.1	7.48	8,582	601	2.5	7.43	438	13.5	7.43
	18:16	75	9	8,437	547	71.7	7.49	9,930	662	0.8	7.43	0	0	0
	18:31	831	8.6	11,236	627	67.3	7.5	8,108	547	1.9	7.43	0	0	0
	18:46	826	8.9	9,181	566	63.9	7.51	9,719	647	1.1	7.45	0	0	0
	19:01	0	8.9	8,435	577	66.2	7.52	9,946	664	0.6	7.45	0	0	0
	19:16	0	8.2	11,972	568	63.1	7.52	7,972	535	1.5	7.46	0	0	0
	19:31	831	8.2	8,428	566	61.3	7.52	10,039	667	0.7	7.45	0	0	0
	19:46	816	8.7	8,395	980	64	7.5	10,005	663	0.5	7.45	0	0	0
	20:01	848	8.6	12,016	571	66.2	7.48	8,022	538	2.1	7.43	0	0	0
	20:16	0	8.6	8,969	617	67.4	7.46	10,809	721	0.6	7.42	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:31	812	7.5	10,584	995	66.3	7.45	8,894	727	1.1	7.41	1,905	21.9	7.41
	20:46	826	7.7	11,012	616	62	7.44	10,394	692	1.8	7.4	0	6.5	7.41
	21:01	834	8.1	9,234	617	67.6	7.43	11,354	756	0.8	7.4	0	0	0
	21:16	825	8	12,101	625	68.6	7.43	7,877	658	2.9	7.39	2,085	26.9	7.38
	21:31	805	8.2	9,458	614	66.7	7.42	11,305	753	1.5	7.38	0	0	0
	21:46	833	8.6	9,177	615	66	7.41	11,354	756	1.7	7.37	0	0	0
	22:01	830	8.4	12,352	623	66	7.41	7,702	670	4.1	7.36	2,435	27.7	7.36
	22:16	839	8.7	9,256	623	65.4	7.39	11,388	758	1.1	7.36	0	0	0
	22:31	0	8.1	9,468	995	63.3	7.39	11,071	742	2.7	7.35	0	0	0
	22:46	0	6.4	12,147	608	60.5	7.38	7,957	674	3.3	7.34	2,270	30.3	7.34
	23:01	813	6.2	9,167	614	55.1	7.38	11,286	751	0.9	7.34	0	0	0
	23:16	818	6.3	10,920	995	57.1	7.37	8,602	717	2.2	7.34	2,104	25.9	7.33
	23:31	833	6.4	10,512	636	61.1	7.36	10,511	698	2.4	7.33	0	0	0
	23:46	830	6.8	9,156	617	62.7	7.35	11,249	750	2.9	7.32	0	0	0
	AVERAGES/TOTALS	811	7.54	1,009,475	739	46.5	7.42	509,275	722	4.8	7.39	538,873	19.8	7.39
	MAXIMUM	851	9.00	14,694	995	80.0	7.52	11,388	930	9.7	7.46	13,748	43.8	7.45
	MINIMUM	75	5.50	4,811	547	21.8	7.32	233	535	0.5	7.32	44	6.0	7.33
3/29/2021														
	0:01	843	6.6	12,295	605	62.2	7.35	6,709	687	5.7	7.32	3,628	28.1	7.31
	0:16	810	6.9	9,239	608	61.5	7.35	11,373	757	2.2	7.32	0	0	0
	0:31	826	7.2	9,201	607	61.4	7.35	11,286	752	3	7.32	0	0	0
	0:46	832	7	12,559	631	62.3	7.35	6,829	705	4.8	7.31	3,753	26.4	7.31
	1:01	822	7.3	9,209	599	62.9	7.35	11,312	753	2	7.31	0	0	0
	1:16	828	7.5	9,809	995	62	7.33	10,462	733	3.5	7.31	535	46.3	7.3
	1:31	823	7.4	12,153	606	60.7	7.32	7,268	745	4.1	7.29	3,887	23.4	7.3
	1:46	798	7.7	9,224	620	59.4	7.29	11,349	754	2.9	7.27	0	0	0
	2:01	850	7.7	11,352	995	58.7	7.27	7,403	724	4.3	7.25	3,296	31.6	7.24
	2:16	828	7.7	10,687	658	57.6	7.24	10,081	759	3.9	7.23	1,517	12.5	7.24

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:31	845	8.1	9,222	607	57.4	7.23	11,312	755	3.5	7.21	0	0	0
	2:46	828	7.9	12,615	631	57.8	7.22	5,782	697	5.4	7.2	4,992	26.5	7.2
	3:01	806	8.1	9,457	618	57.5	7.22	11,623	774	3.1	7.19	0	7	7.19
	3:16	813	8.4	9,246	968	57.5	7.22	11,306	756	3.9	7.19	0	0	0
	3:31	839	8.2	12,806	657	57.6	7.21	6,052	730	5.4	7.19	5,027	25.9	7.19
	3:46	837	7.4	9,242	603	57.4	7.2	11,277	754	3	7.17	0	0	0
	4:01	824	7.6	10,135	995	57.4	7.2	9,703	731	4.3	7.17	1,231	48.1	7.17
	4:16	806	7.6	11,886	599	57.2	7.19	7,283	770	4.5	7.17	4,209	18.8	7.17
	4:31	810	6.5	9,223	594	56.8	7.19	11,313	754	3.3	7.16	0	0	0
	4:46	806	6.5	11,657	755	57.4	7.19	6,655	719	4.5	7.16	4,019	29.2	7.15
	5:01	827	6.7	10,288	627	56.5	7.19	10,108	777	3.7	7.16	1,706	12.1	7.15
	5:16	787	7	9,169	607	56	7.19	11,279	752	3.6	7.16	0	0	0
	5:31	824	6.8	12,748	621	56.2	7.19	5,572	715	5.5	7.15	5,423	25.7	7.15
	5:46	809	7	9,282	615	56	7.19	11,422	763	3	7.15	0	0	0
	6:01	841	7.3	9,154	995	56.1	7.2	11,331	754	3.8	7.16	0	0	0
	6:16	804	7.1	12,826	603	57.4	7.2	5,595	731	4.9	7.17	5,459	25.7	7.16
	6:31	817	7.4	9,217	595	57.4	7.21	11,321	752	2.9	7.17	0	0	0
	6:46	834	7.5	10,511	995	57.6	7.22	8,948	728	4.2	7.17	1,930	42.1	7.18
	7:01	813	7.4	11,470	606	57.7	7.22	8,174	762	4	7.17	3,335	15.2	7.17
	7:16	0	7.1	9,174	627	60.4	7.22	11,302	753	3.3	7.18	0	0	0
	7:31	0	5.5	12,093	0	73.8	7.22	6,351	706	5	7.19	4,179	28.5	7.19
	7:46	0	5.6	736	0	46.6	7.22	652	635	7.7	7.19	30	7.2	7.19
	8:31	806	6.6	7,846	609	54.6	7.23	8,329	791	4.1	7.19	1,242	14	7.19
	8:46	827	6.9	9,164	642	73.9	7.22	11,297	752	5.5	7.18	0	0	0
	9:01	826	6.7	12,653	700	75.8	7.2	4,248	704	7.5	7.17	6,861	30.9	7.17
	9:16	791	6.4	12,579	863	69.7	7.2	5,533	758	5.5	7.17	5,611	23.2	7.17
	9:31	815	6.5	10,025	605	65	7.2	9,973	783	4.4	7.17	2,171	13.6	7.17
	9:46	825	6.8	9,176	628	64	7.21	11,253	751	5	7.17	0	0	0
	10:01	811	6.6	13,125	805	67.8	7.2	2,728	680	6.5	7.17	8,818	30.9	7.16

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:16	794	6.7	9,890	630	73.2	7.2	10,635	783	6.3	7.15	1,493	10.5	7.15
	10:31	816	6.8	11,198	995	76.2	7.2	5,824	751	8.7	7.15	6,782	28.7	7.15
	10:46	0	5.7	13,634	858	73.1	7.19	1,152	928	1.6	7.15	12,799	23.1	7.15
	11:01	784	5.9	2,730	0	70.9	7.2	249	995	7.8	7.15	2,920	14.8	7.15
	11:16	780	6.3	7,589	995	70.2	7.22	0	0	0	0	7,927	19.8	7.15
	11:31	782	6.1	14,620	0	60.6	7.21	0	0	0	0	13,315	19.3	7.16
	11:46	799	6.2	6,518	0	65.9	7.21	0	0	0	0	7,631	22	7.16
	12:01	797	5.6	5,265	847	58.1	7.22	230	833	7.2	7.17	5,931	29.4	7.16
	12:16	799	5.4	13,525	995	48.6	7.24	0	0	0	0	13,359	21.6	7.17
	12:31	786	5.8	8,490	0	57.9	7.24	0	0	0	0	7,671	22.9	7.18
	12:46	770	6.2	7,633	842	59.8	7.26	0	0	0	0	6,889	26.2	7.18
	13:01	0	6.3	8,578	841	53.6	7.29	0	0	0	0	9,723	27.6	7.2
	13:16	798	6.4	8,510	825	50.3	7.3	0	0	0	0	10,002	25.1	7.23
	13:31	792	6.3	12,294	992	47.3	7.32	0	0	0	0	13,394	27.7	7.23
	13:46	0	6	7,884	0	42.9	7.32	0	0	0	0	7,951	27.8	7.24
	14:01	769	5.8	9,309	964	43	7.32	0	0	0	0	9,329	23	7.24
	14:16	796	5.4	14,627	995	42.1	7.32	0	0	0	0	12,809	14.1	7.24
	14:31	774	4.7	14,884	0	57.5	7.3	0	877	0.9	7.24	13,084	16.7	7.23
	14:46	791	5.8	2,557	995	63.7	7.29	0	0	0	0	2,522	19.6	7.22
	15:01	771	6.3	8,686	0	50.1	7.29	0	0	0	0	6,761	28.5	7.22
	16:16	786	6	3,482	781	43.5	7.22	292	720	8.5	7.17	2,805	22.9	7.17
	16:31	767	6.1	11,223	583	21.4	7.23	6,506	901	5.1	7.18	7,711	7.7	6.7
	16:46	784	5.8	12,212	597	29.3	7.24	7,123	724	5.8	7.23	3,689	19.2	7.23
	17:01	750	6	8,629	578	28.6	7.27	11,393	757	3.7	7.26	0	0	0
	17:16	801	6	9,902	995	27.3	7.29	9,118	733	6.3	7.27	1,767	35.4	7.29
	17:31	815	6	10,728	580	27	7.29	9,224	738	4.2	7.29	1,756	13.3	7.29
	17:46	777	6.2	8,606	558	26.2	7.3	11,312	753	4.9	7.29	0	0	0
	18:01	786	6.1	11,957	561	26.5	7.3	6,877	702	6.7	7.28	3,661	23.7	7.28
	18:16	773	6.3	8,657	567	25.5	7.29	11,333	757	3.5	7.26	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:31	776	6.4	9,676	995	25	7.28	9,450	737	6.2	7.26	1,588	35.7	7.25
	18:46	781	6.3	10,892	583	24.9	7.28	9,080	729	4.1	7.26	1,760	14.1	7.26
	19:01	788	6.6	8,594	583	24.2	7.27	11,327	754	4.6	7.25	0	0	0
	19:16	792	6.4	11,975	587	25.1	7.27	7,079	694	6.5	7.25	3,335	23.7	7.25
	19:31	811	6.6	8,653	572	24.7	7.26	11,342	753	3.1	7.24	0	0	0
	19:46	791	6.7	9,561	950	23.4	7.26	9,712	734	5.3	7.25	1,241	36.9	7.26
	20:01	809	6.6	10,931	592	23.5	7.27	9,279	711	3.5	7.28	1,373	14	7.27
	20:16	789	6.9	8,631	544	23.2	7.28	11,250	753	3.3	7.28	0	0	0
	20:31	801	6.8	11,884	540	22.3	7.29	7,463	674	5.3	7.29	2,799	23.4	7.29
	20:46	784	7	8,581	580	21.2	7.3	11,304	754	1.9	7.3	0	0	0
	21:01	787	7.1	9,450	878	21.4	7.3	9,839	732	3.8	7.29	1,088	37.2	7.28
	21:16	788	7.1	10,392	565	22.4	7.29	10,080	718	3.6	7.29	853	13.4	7.29
	21:31	767	7.4	8,619	585	24.2	7.28	11,206	749	4.4	7.26	0	0	0
	21:46	777	7.4	11,226	591	24.6	7.27	8,509	709	5.6	7.26	2,618	19.4	7.26
	22:01	762	7.6	8,566	560	25.3	7.27	11,248	749	5.2	7.25	0	0	0
	22:16	792	7.7	9,142	995	25.2	7.27	10,177	740	6.4	7.25	1,087	34.8	7.25
	22:31	811	7.7	11,116	582	25.7	7.27	7,296	769	5.3	7.26	4,771	15.1	7.26
	22:46	788	8	8,536	539	26.6	7.27	11,206	748	6.6	7.26	0	0	0
	23:01	777	7.8	11,817	789	25.9	7.29	4,587	731	7.5	7.26	7,655	18.7	7.27
	23:16	800	7.9	9,185	563	26.4	7.29	8,755	776	5.6	7.28	2,998	11	7.28
	23:31	776	8.1	8,795	958	27.8	7.3	10,652	737	7.6	7.3	426	19.9	7.3
	23:46	774	7.9	13,074	789	28	7.31	0	0	0	0	14,008	16.2	7.3
AVERAGES/TOTALS		801	6.78	895,566	718	47.9	7.25	633,903	750	4.7	7.22	324,140	23.0	7.21
MAXIMUM		850	8.40	14,884	995	76.2	7.35	11,623	995	8.7	7.32	14,008	48.1	7.31
MINIMUM		750	4.70	736	539	21.2	7.19	230	635	0.9	7.15	30	7.0	6.70
3/30/2021														
	0:01	790	7.3	7,452	765	30.2	7.31	733	977	7.4	7.3	8,636	12.6	7.3
	0:16	771	7.4	5,666	995	32.9	7.31	0	987	8.5	7.31	7,071	13.6	7.32

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:31	0	6.8	11,907	959	31.4	7.32	0	0	0	0	12,161	15.6	7.33
	0:46	790	5.6	12,554	567	31.6	7.32	3,630	857	5.3	7.32	8,983	27.9	7.32
	1:01	773	5.9	8,505	548	29.9	7.32	11,168	745	4.7	7.32	0	0	0
	1:16	784	5.9	10,888	816	31.2	7.3	6,903	728	6	7.29	4,770	17.8	7.26
	1:31	803	5.9	10,130	576	31.9	7.27	8,795	779	5.9	7.23	3,540	11.5	7.25
	1:46	766	6.2	8,475	804	31.8	7.26	11,164	744	7.6	7.24	0	0	0
	2:01	764	5.9	12,852	948	32	7.26	1,389	695	8.2	7.25	11,888	16.7	7.24
	2:16	783	5.6	11,950	562	31.3	7.26	6,145	741	5.7	7.26	5,709	20.2	7.23
	2:31	776	5.9	8,492	567	30.1	7.28	11,105	742	6	7.29	0	0	0
	2:46	774	5.9	10,596	963	32	7.29	7,127	729	6.9	7.27	4,479	21.3	7.25
	3:01	796	5.6	12,488	587	33.2	7.27	2,431	878	5.7	7.24	11,360	15.6	7.24
	3:16	806	5.8	8,564	582	32.3	7.27	11,245	748	3.9	7.26	0	0	0
	3:31	767	5.5	12,456	546	32.9	7.29	5,409	736	5.3	7.27	5,829	22.2	7.28
	3:46	772	5.8	8,578	555	33.8	7.27	11,219	747	3	7.24	0	0	0
	4:01	782	5.7	10,796	938	35.4	7.28	7,329	719	4.5	7.25	3,345	28.1	7.25
	4:16	791	5.8	10,002	556	34.8	7.26	10,122	746	3.9	7.24	1,279	12	7.25
	4:31	792	5.9	9,211	995	37.9	7.26	10,089	725	4	7.25	861	47.7	7.26
	4:46	797	5.9	10,986	557	38	7.28	8,037	749	4.1	7.26	3,307	17.3	7.27
	5:01	0	5.6	7,260	0	41.5	7.28	9,496	745	4.9	7.27	38	5.9	7.29
	5:31	0	5.5	5,927	0	44.3	7.31	934	816	7.6	7.3	6,437	11.8	7.29
	6:31	789	6.2	8,141	596	44.5	7.3	1,558	923	7.1	7.26	6,002	18.4	7.28
	6:46	784	6.4	8,674	548	38.5	7.26	11,312	756	4.3	7.22	0	0	0
	7:01	776	6.3	10,773	995	37.2	7.24	7,201	716	5.8	7.2	3,560	29.1	7.2
	7:16	766	6.3	10,354	557	37.3	7.23	9,027	784	3.8	7.2	2,825	14.5	7.2
	7:31	788	6.5	8,543	995	40.1	7.23	11,151	742	3.8	7.22	0	0	0
	7:46	778	6.2	12,537	555	41.4	7.24	5,300	757	4.8	7.22	6,057	21.7	7.23
	8:01	0	6.3	8,504	578	47.7	7.24	11,168	743	4	7.23	0	0	0
	8:16	0	6.3	2,268	0	49.5	7.25	2,958	742	6.1	7.24	0	6.5	7.24
	9:16	790	6.1	3,093	995	66.6	7.25	0	0	0	0	2,905	22.4	7.24

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:31	771	6	11,925	573	49.1	7.25	5,698	783	3.9	7.21	5,586	17.6	7.24
	9:46	800	6.3	8,276	589	46.4	7.22	10,962	730	4.2	7.18	0	0	0
	10:01	798	6.1	11,404	771	46.7	7.2	5,834	700	5.8	7.17	4,638	26.4	7.17
	10:16	784	6.3	9,302	538	47	7.2	10,023	756	3.6	7.16	1,572	12.1	7.17
	10:31	773	6.5	8,330	565	48.4	7.2	11,011	733	4.3	7.17	0	0	0
	10:46	792	6.3	12,386	560	49.1	7.2	4,930	738	5.3	7.18	6,034	22.7	7.18
	11:01	785	6.5	8,399	995	51.8	7.2	11,018	734	3.2	7.17	0	0	0
	11:16	805	6.1	12,543	995	55.4	7.21	2,486	614	6.7	7.2	8,043	25.8	7.19
	11:31	759	6	5,987	638	55.8	7.22	1,658	737	7.1	7.21	2,539	8.4	7.21
	11:46	825	5.9	11,656	995	61	7.25	4,797	767	3	7.22	7,415	16.3	7.26
	12:01	797	5.6	11,925	630	62.4	7.3	10,559	903	4.3	7.33	2,594	13	7.3
	12:16	792	5.5	10,520	995	68.5	7.33	10,660	853	5.3	7.34	1,933	33.2	7.34
	12:31	788	5.3	12,361	995	84	7.33	6,953	959	7.1	7.32	5,688	19.4	7.33
	12:46	797	5.8	7,175	796	138.4	7.34	0	0	0	0	5,592	23.2	7.36
	13:01	814	6.2	8,905	826	87.1	7.37	9,511	904	6.8	7.37	1,930	14.5	7.38
	13:16	775	5.8	12,219	583	50.7	7.4	2,677	891	4.3	7.35	8,367	26.1	7.38
	13:31	775	6	8,721	571	70.9	7.36	11,469	763	3.7	7.34	0	0	0
	13:46	806	6	9,901	995	72.7	7.36	9,206	750	8	7.37	1,734	38.5	7.38
	14:01	792	6	11,162	574	66.5	7.36	7,213	758	2.8	7.36	3,664	17.9	7.37
	14:16	812	6.3	8,486	570	65.9	7.36	11,140	744	3.5	7.36	0	0	0
	14:31	786	6.1	11,911	645	66.7	7.38	6,275	706	7	7.38	4,088	26	7.4
	14:46	776	6.3	8,824	563	60.5	7.38	11,101	764	1.8	7.39	492	12	7.4
	15:01	780	6.5	8,518	995	59.4	7.38	11,087	744	4.9	7.38	0	0	0
	15:16	803	6.3	12,353	552	61.7	7.37	6,007	732	4.5	7.37	4,818	24.6	7.38
	15:31	795	6.6	8,518	579	59.7	7.35	11,153	744	2.6	7.35	0	0	0
	15:46	748	6.5	10,620	995	58.7	7.35	7,646	726	6	7.35	3,022	30.5	7.37
	16:01	797	6.6	10,272	552	57.6	7.35	9,526	752	2.7	7.36	1,747	13.1	7.36
	16:16	793	7	8,546	562	57.1	7.36	11,130	744	3.6	7.36	0	0	0
	16:31	800	6.7	12,178	552	56.9	7.37	6,291	709	6.4	7.38	4,281	24.7	7.38

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:46	0	5.5	8,577	570	59.6	7.38	11,250	748	1.7	7.39	0	0	0
	17:01	0	5.7	1,143	0	59.4	7.4	1,488	741	3.4	7.4	4	3.8	7.4
	19:16	795	6.4	8,750	995	39.9	7.58	7,527	754	4.1	7.49	2,672	22.7	7.61
	19:31	807	6.3	11,632	561	46	7.39	7,429	757	3.3	7.37	3,733	19.7	7.41
	19:46	772	6.5	8,551	560	48.8	7.31	11,165	744	3.7	7.33	0	0	0
	20:01	803	6.4	11,530	740	50.5	7.29	6,292	715	7	7.31	4,219	26.8	7.32
	20:16	798	6.5	9,299	579	50.7	7.28	10,837	763	2.8	7.31	741	11.5	7.32
	20:31	799	6.9	8,492	550	50.6	7.28	11,209	745	5.3	7.31	0	0	0
	20:46	794	6.6	12,395	606	50.9	7.28	5,659	743	5.6	7.31	5,304	24.4	7.31
	21:01	781	6.9	8,626	592	49.7	7.29	11,282	749	2.7	7.31	0	0	0
	21:16	788	6.9	10,069	995	50	7.3	8,694	728	6.1	7.32	2,080	38.4	7.33
	21:31	777	6.9	10,878	549	51.8	7.3	8,544	758	3.1	7.31	2,688	14.1	7.32
	21:46	0	6	8,524	550	59.3	7.31	11,188	746	5.5	7.33	0	0	0
	22:01	0	5.6	5,636	0	64.1	7.39	4,492	715	9	7.34	842	32.2	7.54
	23:31	792	6.5	4,852	571	38.5	7.45	4,140	825	2.8	7.39	2,124	27.8	7.56
	23:46	811	6.8	8,524	608	40.6	7.29	11,124	744	4.7	7.28	0	0	0
AVERAGES/TOTALS		788	6.18	719,423	704	49.6	7.30	564,486	766	5.0	7.29	231,226	20.3	7.31
MAXIMUM		825	7.40	12,852	995	138.4	7.58	11,469	987	9.0	7.49	12,161	47.7	7.61
MINIMUM		748	5.30	1,143	538	29.9	7.20	733	614	1.7	7.16	4	3.8	7.17
3/31/2021														
	0:01	825	6.8	9,804	989	43.2	7.2	6,672	742	8.8	7.21	5,953	20.7	7.2
	0:16	771	6.5	12,633	547	44.7	7.21	4,763	795	3.5	7.23	6,566	24.2	7.22
	0:31	801	6.8	8,491	556	44.4	7.24	11,112	743	3.5	7.25	0	0	0
	0:46	786	6.8	10,861	995	47.1	7.25	7,235	723	6.8	7.26	3,387	31.4	7.26
	1:01	805	6.8	10,088	592	50.5	7.24	9,430	766	3.3	7.25	2,112	12.3	7.26
	1:16	0	6.4	8,461	744	56.8	7.26	11,178	744	7.2	7.27	0	0	0
	1:31	0	5.6	8,685	0	59.1	7.29	0	741	9.8	7.28	7,446	24	7.32
	2:16	799	6.5	5,232	591	45.3	7.34	4,629	812	3	7.27	2,051	16.7	7.29

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:31	814	6.8	8,495	573	43.8	7.26	11,178	745	4.5	7.25	0	0	0
	2:46	805	6.8	10,341	901	44.3	7.23	8,188	726	8.1	7.23	2,600	37.4	7.23
	3:01	802	6.8	10,715	583	47	7.22	8,066	771	3.5	7.21	3,478	15.5	7.23
	3:16	0	5.7	11,428	773	54.1	7.24	6,132	717	5.7	7.23	4,440	27.7	7.26
	3:31	0	5.6	2,951	0	51.8	7.26	1,230	848	6.3	7.26	1,792	11.6	7.26
	5:16	790	6.7	8,494	554	39.9	7.42	11,026	762	3.3	7.25	31	3.1	7.27
	5:31	786	6.9	8,861	995	42.5	7.26	10,588	727	6.1	7.22	336	40.3	7.21
	5:46	808	6.7	12,067	578	43.8	7.21	6,043	779	3.7	7.19	5,145	22.7	7.21
	6:01	801	7	8,519	585	45.2	7.19	11,147	745	4.4	7.18	0	0	0
	6:16	786	6.9	11,315	714	45.8	7.18	6,312	721	7.5	7.17	4,278	28.5	7.18
	6:31	804	7	9,643	550	46.8	7.17	10,082	765	3.6	7.17	1,512	12.4	7.18
	6:46	805	7.3	8,552	529	48.7	7.19	11,161	743	6.6	7.18	0	0	0
	7:01	808	7	12,512	559	49.6	7.2	4,752	768	6.9	7.19	6,422	23.3	7.2
	7:16	789	6.9	10,851	995	59.8	7.2	7,281	724	4.6	7.19	3,346	33	7.22
	7:31	0	7.7	3,703	0	61.1	7.21	0	0	0	0	3,170	15.6	7.22
	9:46	805	7.4	10,951	958	40.6	7.35	4,769	709	3.7	7.3	4,074	17.3	7.29
	10:01	794	7.4	9,728	575	53	7.29	10,657	721	2.2	7.27	249	9.6	7.28
	10:16	809	7.7	8,512	576	64.8	7.23	11,169	744	2.8	7.23	0	0	0
	10:31	790	7.7	10,528	954	67.1	7.2	7,850	725	5.9	7.2	2,908	34.2	7.2
	10:46	817	7.8	10,397	554	70.4	7.19	9,374	758	2.8	7.19	1,943	13.8	7.2
	11:01	792	8.1	8,539	584	72.1	7.19	11,210	748	3.3	7.19	0	0	0
	11:16	795	8.1	10,133	995	72.3	7.2	8,536	728	6.5	7.2	2,223	42.1	7.21
	11:31	735	8.1	10,775	566	35.3	7.29	8,684	758	2.6	7.22	2,615	14.7	7.21
	11:46	0	7.2	8,520	579	64.7	7.33	11,220	749	2.7	7.28	0	0	0
	12:01	0	5.8	9,641	995	66.1	7.28	9,318	728	6	7.26	1,536	45.1	7.27
	12:16	0	5.6	8,799	0	59.6	7.27	5,406	718	3.5	7.27	2,551	17.7	7.28
	13:01	729	6	4,922	0	58.4	7.36	6,361	777	1.2	7.29	28	0.8	7.32
	14:16	0	5.5	5,831	575	52.6	7.35	7,599	775	2.3	7.29	53	1	7.32
	14:31	724	6.3	3,724	781	50.5	7.33	2,468	752	4.9	7.28	2,344	17.4	7.28

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:46	757	5.9	13,161	769	53.7	7.3	0	0	0	0	12,628	23	7.29
	15:01	758	6.1	7,417	0	59.2	7.3	493	982	9.5	7.3	8,483	14.2	7.3
	15:16	754	6	5,487	0	63.5	7.34	0	0	0	0	7,068	20.1	7.3
	15:31	0	5.6	3,289	0	59.5	7.35	0	0	0	0	4,185	22.5	7.31
	16:46	748	6.2	10,726	786	52.1	7.43	0	0	0	0	13,721	21.6	7.33
	17:01	747	5.7	13,173	562	47.7	7.38	1,977	884	8	7.38	10,098	27.2	7.37
	17:16	725	5.6	10,535	766	45.3	7.39	4,214	768	8.4	7.38	9,415	14.9	7.38
	17:31	753	6.2	6,297	531	43.5	7.4	0	0	0	0	8,119	16.3	7.41
	17:46	758	6	10,908	995	49.3	7.45	0	0	0	0	12,184	25.2	7.43
	18:01	766	5.8	11,399	560	42.9	7.44	6,559	793	6.7	7.45	5,062	20.8	7.45
	18:16	749	5.7	10,432	774	40.6	7.44	3,885	742	9	7.44	9,623	14.8	7.45
	18:31	727	5.7	11,991	121	39.6	7.45	0	0	0	0	14,303	18.2	7.46
	18:46	747	6.3	4,905	773	50.1	7.54	0	0	0	0	4,714	20.8	7.52
	19:01	777	6.1	11,630	746	38.9	7.52	0	0	0	0	14,911	11.7	7.51
	19:16	712	5.5	13,806	995	34.4	7.52	1,260	704	7.9	7.55	10,368	19.3	7.54
	19:31	750	5.7	8,689	557	37.8	7.55	6,790	767	5	7.54	2,248	11.7	7.56
	19:46	751	5.9	8,539	549	31.6	7.52	11,195	746	5.3	7.53	0	0	0
	20:01	756	6.1	8,471	552	30.4	7.51	11,146	744	7.7	7.52	0	0	0
	20:16	735	5.9	12,221	588	29.8	7.5	4,333	784	8	7.52	8,114	17	7.52
	20:31	732	6	8,556	569	29.2	7.49	11,257	749	7.1	7.5	0	0	0
	20:46	745	6.3	8,487	565	28.7	7.46	11,130	742	9	7.48	0	0	0
	21:01	751	6	12,268	565	27.9	7.45	6,380	709	7.2	7.47	4,300	26.1	7.47
	21:16	765	6.2	8,522	568	26.5	7.43	11,259	748	2.4	7.45	0	0	0
	21:31	740	6.5	8,551	564	26.4	7.41	11,168	746	4.6	7.43	0	0	0
	21:46	721	6.2	12,026	568	26.8	7.4	7,113	685	5.7	7.42	3,126	26.6	7.43
	22:01	755	6.4	8,493	534	25	7.41	11,224	747	1.7	7.43	0	0	0
	22:16	750	6.6	8,514	580	24.7	7.41	11,178	746	3.4	7.43	0	0	0
	22:31	737	6.4	11,943	545	24.7	7.41	7,167	674	5.1	7.42	2,931	26	7.42
	22:46	0	6.4	8,544	563	23.7	7.4	11,241	749	1.4	7.4	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:01	0	5.7	7,201	0	23.8	7.39	9,527	748	2.7	7.39	0	3.3	7.39
AVERAGES/TOTALS		770	6.47	619,883	670	46.0	7.33	443,322	754	5.2	7.31	250,190	20.3	7.32
MAXIMUM		825	8.10	13,806	995	72.3	7.55	11,259	982	9.8	7.55	14,911	45.1	7.56
MINIMUM		712	5.50	2,951	121	23.7	7.17	493	674	1.2	7.17	28	0.8	7.18

DATA SUMMARY

AVERAGES/TOTALS	791	6.76	16,660,712	708	48.7	7.00	12,202,830	735	4.5	7.00	3,459,600	20.8	7.02
MAXIMUM	869	9.00	14,884	995	221.6	7.58	13,478	995	9.9	7.58	14,925	50.2	7.65
MINIMUM	25	4.70	19	34	4.5	5.18	114	43	0.2	6.60	3	0.2	3.23

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

Clear Water SERVICES

DATA SUMMARY
Emerald Gateway
March 2022

Downloaded: 4/4/2022

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
3/1/2022															
	0:02	774	171.3	9.49	8822	461	97.3	7.42	2889	483	8.8	7.52	4096	16.1	6.68
	0:17	0	155.5	9.6	7057	464	100.4	7.41	7371	490	6.7	7.14	0	0	0
	0:32	0	168.8	9.59	8724	500	100.3	7.57	2901	464	7.5	7.3	4043	15.8	7.31
	0:47	753	147.6	9.65	7106	476	102	7.66	7418	494	7.6	7.38	0	0	0
	1:02	0	138	9.71	8727	552	102.1	7.96	2267	475	7.5	7.58	4625	16.5	7.79
	1:17	0	171.2	9.6	9041	512	96.7	7.64	1031	516	9.5	7.83	6194	13.3	7.16
	1:32	762	139.4	9.63	7217	480	92.6	7.21	6749	494	5.9	6.91	700	8.6	6.4
	1:47	775	163.4	9.57	8484	512	92.5	7.43	4645	442	6.4	7.15	1935	16.7	7.18
	2:02	783	150.2	9.6	7184	469	95.2	7.51	7004	492	6.9	7.23	425	17.6	7.17
	2:17	0	140.6	9.67	8370	544	98.2	7.71	4011	463	6.9	7.36	2659	16.7	7.5
	2:32	780	147.6	9.6	7547	462	97.1	7.93	5411	501	8.7	7.73	2328	12.6	7.62
	2:47	0	140.7	9.67	8245	558	97.8	7.75	3904	475	8.3	7.86	2894	15.9	6.72
	3:02	0	165.9	9.57	7584	463	96.2	7.26	5798	497	7.2	7.06	1636	13.4	6.63
	3:17	0	152.8	9.58	7964	663	98.8	7.49	4934	462	6.4	7.22	1791	16.7	7.24
	3:32	0	168.6	9.55	7769	478	98.5	7.52	5809	493	7.7	7.25	1627	14.7	7.23
	3:47	0	156.7	9.57	7823	661	102.4	7.69	4823	473	6.9	7.37	2015	17	7.5
	4:02	0	166	9.54	8110	487	99.9	7.89	3511	503	8.5	7.72	4057	13.5	7.6
	4:17	0	151.5	9.57	7680	662	102	8.11	5323	473	7.8	7.83	1575	15.8	7.95
	4:32	0	166	9.56	8555	574	96.5	7.93	825	550	9.8	8.09	7025	12.4	7.65
	4:47	0	163.4	9.56	6398	0	105.9	7.24	4042	455	4.4	6.88	2295	6.2	6.63
	5:02	0	159.3	9.56	166	0	113.5	7.41	0	0	7.6	7.1	0	10.6	7.1
	5:17	0	151.5	9.58	6576	452	86.7	7.46	3521	397	3.7	7.09	1006	19.1	7.1
	5:32	750	152.8	9.55	7035	478	89.4	7.51	6994	483	4.3	7.22	280	17.5	7.18

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:47	0	164.6	9.56	8117	521	94.2	7.54	5508	431	4.8	7.25	933	20.8	7.27
	6:02	785	141.9	9.61	7162	480	100.3	7.67	6913	475	6.2	7.4	281	18.1	7.32
	6:17	0	138	9.65	8123	541	104.1	7.89	4615	452	6.2	7.58	2047	16.7	7.73
	6:32	0	145.9	9.65	7966	496	102.6	7.82	3202	506	9.2	7.9	4661	10.1	7.47
	6:47	0	144.6	9.65	8012	618	99.5	7.45	5351	455	5	7.05	1444	17.7	7.13
	7:02	762	143.3	9.67	7585	460	99.2	7.65	6153	479	7.2	7.42	1069	17	7.34
	7:17	786	143.3	9.69	7648	678	100.5	7.67	5522	452	6.1	7.43	1165	19.3	7.42
	7:32	738	142	9.67	7979	448	98	7.73	4202	495	8.3	7.52	3171	14.3	7.42
	7:47	0	147.6	9.69	7576	658	100.1	7.99	5462	474	8.1	7.7	1479	17.1	7.87
	8:02	0	151.5	9.66	8581	455	96	8.2	1621	542	9.8	8.06	6088	14.7	7.99
	8:17	760	150.2	9.67	7034	666	103.3	8.03	6014	464	7.5	7.78	672	10.1	8.11
	8:32	0	183.4	9.61	6251	0	91.4	7.92	264	506	9	7.62	4641	16.2	7.64
	9:02	0	168.6	9.6	1341	470	91.6	8.05	551	557	9.7	7.83	847	10.6	7.85
	9:17	0	167.4	9.69	6889	587	86.5	7.87	7178	479	5.2	7.62	0	0	0
	9:32	0	167.3	9.68	8770	531	88.3	7.83	1318	385	5.8	7.55	5639	13	7.55
	9:47	0	164.7	9.68	8019	514	82.3	7.75	0	0	0	0	8355	5.2	7.47
	10:02	0	160.7	9.69	6302	0	73.3	7.73	1107	398	6.6	7.45	3494	8.5	7.45
	10:17	0	160.8	9.67	2471	562	71.7	7.84	2293	510	2.2	7.47	266	9.9	7.45
	10:32	0	158.2	9.68	6949	443	63.8	7.82	6470	471	2.8	7.43	704	30.9	7.42
	10:47	755	231.3	9.65	8341	448	64.6	7.86	5276	422	4.2	7.52	1091	20.8	7.53
	11:02	753	228.7	9.67	6820	444	89	7.93	7113	473	4.5	7.67	0	0	0
	11:17	0	203.6	9.71	8528	543	120.8	8.16	2605	431	6.9	7.79	4137	18.2	7.89
	11:32	0	184.9	9.75	7791	431	123.2	7.52	3038	508	6.1	6.88	5078	10.4	7.49
	11:47	0	192.8	9.73	8519	527	120.2	7.63	2432	459	5.2	7.19	4348	20.2	7.3
	12:02	757	184.9	9.73	7254	427	115.2	7.96	5489	489	8.6	7.86	2119	11	7.66
	12:17	0	195.5	9.74	8458	540	114.3	8.23	2902	463	8.9	8.03	3828	23.4	8.02
	12:32	0	192.9	9.73	8172	546	107.6	8.34	823	548	9.9	8.28	7690	11.6	8.17
	12:47	0	192.8	9.74	8873	514	95.4	7.91	1180	427	8.9	7.59	6174	12.1	7.49
	13:02	0	188.9	9.72	5975	536	83.9	7.61	810	452	7.6	7.67	5250	6.6	7.22

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	0	184.9	9.71	5795	511	74.5	7.39	945	540	1.6	7.14	5109	2.1	7.05
	13:32	0	187.6	9.71	6968	448	65.4	7.42	3154	441	2.6	7.11	2572	7.8	7.16
	13:47	759	195.4	9.71	1141	0	61.2	7.38	1179	469	1.3	7.07	86	1.2	7.07
	14:02	0	215.5	9.71	5330	426	71.9	7.42	5405	478	1.2	7.11	140	1.2	7.09
	14:17	791	192.8	9.71	7990	492	86.3	7.49	5420	417	3	7.2	830	21.4	7.25
	14:32	0	198.1	9.73	7006	423	102	7.68	6860	475	4.7	7.43	277	17.9	7.3
	14:47	774	200.7	9.69	7926	528	111.3	7.97	4696	439	5.9	7.71	1823	18.7	7.87
	15:02	0	199.4	9.7	8295	549	111.2	8.19	0	0	0	0	8241	9.4	8.04
	15:17	0	199.4	9.71	8586	659	100.5	7.91	306	403	8.5	6.6	7255	8.7	7.68
	15:32	0	192.9	9.71	4939	0	92.9	7.43	3503	485	5.3	7.2	1106	14.3	7.13
	15:47	754	198.1	9.67	4894	421	89	7.7	4257	484	3.2	7.39	804	11.2	7.34
	16:02	765	208.9	9.63	6626	0	93.8	7.72	4120	424	3.5	7.42	950	17.7	7.46
	16:05	741	207.6	9.63	0	0	0	0	4120	424	3.5	7.42	0	17.7	7.46
	16:17	0	200.7	9.39	4684	457	97.5	7.75	4532	490	4.3	7.43	382	26.1	7.47
	16:32	0	389.9	8.59	6764	461	98.1	7.73	6969	465	2.4	7.42	0	0	0
	16:47	767	207.5	9.64	3022	0	96.6	7.76	1099	354	4.4	7.45	664	15.4	7.47
	17:02	747	207.5	9.64	5028	423	113.7	7.87	4967	486	5.7	7.55	289	13.4	7.44
	17:17	789	208.7	9.64	6715	590	126.7	8.07	6986	466	6.4	7.78	0	0	0
	17:32	767	198	9.54	8917	534	127.8	8.33	721	462	9.2	8.12	6509	16.4	8.12
	17:47	0	198	8.61	8110	651	121.4	7.57	823	545	7.1	7.57	7640	6.8	7.14
	18:02	0	180.8	8.73	8630	426	107.5	7.78	3318	456	6.7	7.54	3561	16.1	7.55
	18:17	0	178.2	8.46	6651	451	99.2	7.81	6958	463	3.4	7.53	0	0	0
	18:32	777	206.2	9.59	8236	448	98.3	7.82	5198	415	5.1	7.54	1106	22.8	7.53
	18:47	756	197.9	9.61	6721	428	111.1	7.93	6966	465	5.1	7.67	0	0	0
	19:02	0	193.8	9.39	8591	547	123.9	8.13	2140	411	6.9	7.79	4642	18.3	8.02
	19:17	0	192.7	9.36	8086	534	123.8	8.38	1791	545	9.9	8.3	6643	10.7	8.23
	19:32	0	191.3	9.36	9107	526	112.6	8.3	141	565	10	8.38	7188	19	7.99
	19:47	0	192.7	9.56	7118	450	101.7	7.45	6019	479	4.2	7.07	1428	7.7	6.12
	20:02	751	191.3	9.55	8355	471	104.4	7.7	4655	422	5.2	7.38	1796	20.6	7.45

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:17	746	184.7	9.56	6811	447	109.7	7.77	7129	474	5.6	7.49	0	0	0
	20:32	0	180.7	9.54	8271	552	113.6	7.98	3733	428	6.2	7.66	2739	18	7.83
	20:47	0	176.2	9.4	7762	449	110.3	7.36	3237	497	4.2	6.89	4874	9	6.97
	21:02	0	187.3	9.5	8090	547	110.6	7.53	4989	433	4.7	7.18	1449	19.4	7.3
	21:17	0	188.7	9.55	7078	444	112	7.67	6640	473	6.2	7.4	576	17.9	7.36
	21:32	0	184.7	9.53	7843	522	115.1	7.73	4577	438	5.5	7.43	1917	17.9	7.5
	21:47	0	194.3	9.57	7454	457	115.2	7.88	5544	484	8.4	7.69	1774	14.6	7.57
	22:02	778	178.1	9.57	7788	663	118	8.09	4347	457	7.9	7.84	2363	18.5	7.95
	22:17	761	182.1	9.54	8263	435	112.8	7.64	1903	507	5.2	6.78	6027	11.8	7.39
	22:32	771	178.1	9.57	7472	665	110.9	7.51	5669	437	4.6	7.16	850	21	7.32
	22:47	755	184.7	9.57	7658	436	109.2	7.65	5169	472	6.8	7.38	1915	15.4	7.36
	23:02	764	182.1	9.56	7305	649	113.1	7.64	5884	437	5.2	7.36	621	18.3	7.36
	23:17	761	186.1	9.56	7961	423	112.7	7.66	4631	475	7.7	7.4	2441	15.6	7.35
	23:32	0	178.1	9.56	7170	673	117.5	7.81	5754	452	6.9	7.54	969	16.7	7.67
	23:47	713	175.2	9.54	8482	432	113.9	7.94	2381	503	9.1	7.81	5039	15.1	7.74
	AVERAGES/TOTALS	763	179.0	9.57	689,329	513	100.7	7.75	385,428	470	6.3	7.48	244,472	14.7	7.44
	MAXIMUM	791	389.9	9.75	9,107	678	127.8	8.38	7,418	565	10.0	8.38	8,355	30.9	8.23
	MINIMUM	713	138.0	8.46	166	421	61.2	7.21	141	354	1.2	6.60	86	1.2	6.12
3/2/2022															
	0:02	0	183.4	9.52	6994	655	114.7	8.09	6017	455	8	7.88	690	11.7	7.99
	0:17	0	187.1	9.53	8338	447	109.8	7.34	3043	489	6.5	6.87	4050	16	6.71
	0:32	0	173.9	9.56	6759	654	113.5	7.46	6714	449	5	7.18	0	0	0
	0:47	0	179.4	9.54	8404	445	111.6	7.57	3858	456	7.6	7.3	2982	16.7	7.29
	1:02	0	171.2	9.56	6602	597	115.6	7.65	6890	459	5.8	7.38	0	0	0
	1:17	758	171.2	9.54	8726	450	113.4	7.79	2527	437	8.6	7.56	4348	15.8	7.55
	1:32	756	169.9	9.54	6618	648	114.9	7.95	6857	458	7.7	7.74	0	0	0
	1:47	765	175.2	9.52	8833	428	111.9	7.57	1755	474	7.9	7.23	5270	14.9	7.13
	2:02	0	175.2	9.5	6623	431	111.8	7.47	6832	459	5.3	7.18	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:17	746	187.3	9.47	8483	436	111.1	7.63	4255	434	7	7.37	2349	17	7.38
	2:32	775	172.5	9.5	6647	447	114.3	7.59	6943	461	5.3	7.3	0	0	0
	2:47	750	172.5	9.5	8547	451	113.6	7.63	3597	436	6.7	7.36	3074	15.9	7.36
	3:02	745	167.3	9.49	6676	455	115.7	7.73	6926	463	6.5	7.48	0	0	0
	3:17	0	188.7	9.44	8490	563	115.9	7.91	2694	416	7.1	7.65	4024	16.1	7.76
	3:32	740	166	9.48	7142	413	113.9	8.06	6217	479	8.4	7.93	1165	11	7.85
	3:47	0	167.3	9.45	8551	500	113.1	7.9	2418	445	7.9	8.01	4373	15.9	7.3
	4:02	761	160.7	9.49	6894	450	111.1	7.42	6901	478	5.7	7.13	297	9.5	6.44
	4:17	764	168.6	9.46	8265	514	111.1	7.65	4678	426	5.9	7.4	1716	16.8	7.44
	4:32	766	158.1	9.48	6946	433	111.4	7.71	6598	473	6.3	7.48	593	15.8	7.42
	4:47	36	186	9.44	8157	548	112.4	7.82	4303	430	5.8	7.57	2169	16	7.66
	5:02	766	163.3	9.45	7221	442	112	7.96	6154	475	8	7.79	1123	14.3	7.71
	5:17	0	156.7	9.46	7872	570	113.7	8.14	4385	428	7.6	7.94	2094	17.2	8.05
	5:32	758	154.1	9.46	7717	443	109.1	7.33	4450	483	5.4	7	3100	12.4	6.45
	5:47	0	169.9	9.45	7681	634	110	7.62	5350	431	5	7.33	1066	17.4	7.42
	6:02	734	159.3	9.45	7360	435	108.8	7.66	6311	464	6.5	7.4	763	16.7	7.4
	6:17	758	155.4	9.46	7431	650	111	7.71	5705	432	5.3	7.43	749	17.5	7.5
	6:32	772	159.3	9.44	7766	452	104.9	7.79	5517	470	6.1	7.57	1559	14.8	7.51
	6:47	0	158.6	9.45	7237	674	125.3	7.96	5837	434	5.6	7.75	636	16	7.87
	7:02	743	156.7	9.44	7879	432	121.7	7.39	4460	483	5.5	7.08	2679	13.4	6.63
	7:17	0	159.3	9.44	7037	668	124.7	7.67	6187	435	4.1	7.44	323	20.7	7.5
	7:32	0	158.1	9.42	7991	445	123.1	7.68	5393	458	6.3	7.43	1494	15.8	7.44
	7:47	0	155.9	9.45	6810	627	126.6	7.72	6503	435	4.1	7.48	0	0	0
	8:02	0	164.6	9.44	8179	456	124.8	7.78	4815	459	7.1	7.57	2065	16.3	7.53
	8:17	0	152.8	9.47	6665	640	128.2	7.91	6651	444	5.4	7.73	0	0	0
	8:32	767	166	9.44	8313	425	125.5	8.03	4274	447	7.7	7.9	2517	16.2	7.87
	8:47	744	156.7	9.46	6531	604	124.2	8.12	6789	452	4.8	7.96	0	0	0
	9:02	731	162	9.45	8382	445	122.9	8.22	4740	421	7.2	8.07	1750	16.5	8.05
	9:17	729	156.7	9.43	7224	584	121.3	8.01	4396	464	4.8	7.92	3109	3.6	7.44

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:32	748	168.6	9.41	8750	539	116.3	7.41	2822	449	3.2	7.04	4072	9	7.02
	9:47	757	155.4	9.46	7460	484	110	7.28	7634	536	2.6	6.95	139	2.9	6.96
	10:02	566	166	9.43	8608	501	108.7	7.4	3780	463	4.8	7.15	3038	8.3	7.09
	10:17	541	154.1	9.46	7178	472	111.3	7.62	7546	502	3.6	7.37	0	0	0
	10:32	542	163.4	9.44	8486	498	116.8	7.84	4992	446	5.8	7.64	1627	15.2	7.7
	10:47	549	155.6	9.44	7108	478	122.1	8.06	7423	496	6.3	7.96	0	0	0
	11:02	0	132.8	9.43	8465	519	124.1	7.92	3047	449	6.1	8.11	3606	12.5	6.97
	11:17	578	154.1	9.45	7514	477	122.1	7.43	3891	501	3.6	7.16	3936	5.9	6.93
	11:32	578	163.4	9.44	8385	493	110.1	7.54	5404	432	4	7.27	1056	15.7	7.27
	11:47	564	152.8	9.46	7138	465	111.3	7.65	7274	494	4	7.39	133	11.3	7.29
	12:02	555	156.8	9.46	8246	480	115.3	7.83	5390	439	4.7	7.61	1079	15.2	7.7
	12:17	574	148.9	9.47	7187	469	121.2	8.03	7038	494	6.4	7.93	405	15	7.81
	12:32	568	168.6	9.44	8048	517	123.8	8.23	4613	457	6	8.12	2013	15.4	8.26
	12:47	560	152.8	9.43	7929	466	123.3	8.16	1338	530	7.8	7.92	6567	9.5	8.13
	13:02	549	150.2	9.46	7964	656	109.4	7.75	5808	447	4.2	7.44	791	17	7.48
	13:17	550	167.4	9.46	7482	455	104.7	7.68	6659	483	4.3	7.43	605	14.6	7.47
	13:32	570	142	9.46	7719	672	107.5	7.64	5883	453	3.4	7.37	787	15.5	7.45
	13:47	550	138.1	9.46	7655	467	112.1	7.81	6463	479	6.7	7.67	714	14.6	7.54
	14:02	0	142	9.48	7617	636	113.7	7.99	6209	461	5.7	7.89	583	15.7	7.99
	14:17	0	118.3	9.44	8217	495	115.6	7.95	2358	498	9.4	8.16	5097	10.7	7.76
	14:32	546	154.2	9.45	7562	669	111.6	7.48	6421	466	3.6	7.15	531	13.9	7.1
	14:47	66	161.7	9.49	8011	469	108.3	7.47	5859	467	4.9	7.19	1104	15.3	7.23
	15:02	574	158.1	9.45	7317	518	110.4	7.44	6863	465	3	7.16	101	17.3	7.25
	15:17	0	179.5	9.46	8124	483	116.8	7.58	5484	465	6.3	7.39	1390	15.1	7.29
	15:32	584	154.1	9.44	7211	638	122.7	7.79	7023	470	4.9	7.64	0	0	0
	15:47	549	173.9	9.42	8388	477	128.9	7.98	3702	477	8.5	7.97	3220	14.2	7.9
	16:02	0	150.2	9.41	7324	652	129.3	7.89	4711	483	7.4	8.02	2817	5.3	7.31
	16:17	550	180.8	9.4	8331	485	128.2	7.45	5036	452	6	7.1	1702	16.5	7.08
	16:32	567	163.4	9.43	6980	629	122.6	7.43	7254	483	2.8	7.15	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:47	555	167.3	9.4	8431	460	124.9	7.45	5053	437	5.2	7.19	1484	15.1	7.16
	17:02	548	155.5	9.43	6924	597	129.7	7.65	7253	483	4.1	7.45	0	0	0
	17:17	568	193.9	9.36	8441	440	133.8	7.87	4645	442	7.1	7.77	1957	15	7.78
	17:32	0	154.1	9.43	6972	467	135.4	8.06	7229	484	7	8.03	0	0	0
	17:47	0	136.7	9.3	8556	535	135.2	8.1	1997	421	7.3	8.19	4641	13.8	8.05
	18:02	555	152.8	9.41	7118	479	129.3	7.53	6484	489	4.1	7.18	958	5.8	6.68
	18:17	551	172.6	9.36	8314	495	122	7.62	4949	430	5	7.38	1477	15.3	7.39
	18:32	0	154.1	9.42	6902	460	121.3	7.68	7236	482	4.1	7.45	0	0	0
	18:47	576	162	9.38	8301	475	122.7	7.88	4639	428	5.6	7.72	1829	14.6	7.82
	19:02	0	160.6	9.41	7020	502	125.3	8.07	6887	484	7.6	8.04	403	6.8	8.15
	19:17	0	166	9.39	8601	470	124.3	7.33	2231	408	7	7.02	4615	9.8	6.9
	19:32	0	148.8	9.44	7007	465	118.4	7.54	7146	484	4.1	7.34	132	12.5	7.33
	19:47	563	148.8	9.41	8214	504	114.2	7.43	5519	426	3.6	7.13	795	14.7	7.11
	20:02	582	141.9	9.42	7106	444	116.9	7.5	7061	487	4.2	7.22	273	12.8	7.12
	20:17	569	162.1	9.39	8066	523	118.5	7.67	5294	440	4.6	7.43	1200	14.8	7.52
	20:32	584	148.8	9.41	7261	443	121	7.86	6879	480	6.6	7.75	401	13.6	7.63
	20:47	575	162	9.39	7879	646	122.2	8.06	5083	451	6	7.96	1494	15.1	8.09
	21:02	564	155.4	9.39	8002	467	122.6	7.61	2381	505	7.2	7.35	5448	10.2	7.36
	21:17	342	158.1	9.39	7727	631	115.1	7.51	5958	447	3.9	7.25	706	15.9	7.37
	21:32	578	151.5	9.41	7526	436	110.6	7.58	6495	470	4.5	7.33	580	13.4	7.35
	21:47	572	166	9.39	7493	626	112.1	7.63	6383	447	3.5	7.36	303	14.4	7.44
	22:02	0	156.7	9.42	7722	459	118	7.79	6129	471	5.9	7.62	927	13.4	7.51
	22:17	572	152.8	9.4	7331	665	121.6	7.98	6262	454	4.6	7.84	502	15.3	7.96
	22:32	568	144.6	9.41	7933	484	125.9	8.15	5523	473	8.6	8.14	1462	14.1	8.05
	22:47	0	143.3	9.42	7548	479	124.7	7.59	5081	460	6.3	7.39	2137	6.8	7.2
	23:02	0	148.8	9.41	8106	460	121	7.71	5193	472	6.1	7.58	1707	15.5	7.52
	23:17	584	141.9	9.4	7040	649	116.5	7.61	6948	462	3.1	7.38	0	0	0
	23:32	596	147.5	9.39	8175	465	117.4	7.61	5540	449	5.6	7.37	1208	13.9	7.34
	23:47	592	141.9	9.39	6890	640	119.6	7.76	7046	470	4.1	7.56	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		612	160.1	9.44	737,001	518	117.9	7.73	520,389	461	5.7	7.53	145,879	13.7	7.45
MAXIMUM		775	193.9	9.56	8,833	674	135.4	8.23	7,634	536	9.4	8.19	6,567	20.7	8.26
MINIMUM		36	118.3	9.30	6,531	413	104.7	7.28	1,338	408	2.6	6.87	101	2.9	6.44
3/3/2022															
	0:02	587	143.3	9.38	8352	471	121.7	7.94	4919	442	7.3	7.85	1711	14	7.8
	0:17	0	127.5	9.18	7172	616	122.3	7.82	4661	477	6.7	8.02	2846	5.8	7.04
	0:32	0	148.8	9.4	8574	479	120.7	7.43	4319	456	6.5	7.18	2360	12.6	6.9
	0:47	600	143.3	9.37	6847	562	112.5	7.51	7076	473	3	7.26	0	0	0
	1:02	586	148.8	9.37	8354	464	111.5	7.53	5367	427	4.9	7.27	1079	13.8	7.25
	1:17	579	140.6	9.37	6823	442	114.3	7.67	7058	473	3.7	7.43	0	0	0
	1:32	587	145.9	9.37	8366	462	117.7	7.84	4929	427	6	7.66	1534	13.5	7.69
	1:47	563	139.3	9.37	6793	450	120.7	8.03	7079	473	6.1	7.95	0	0	0
	2:02	0	127.4	9.2	8583	468	116.4	8.11	2771	427	6.5	8.13	3898	12.5	8.13
	2:17	0	143.3	9.39	7012	458	95.3	7.63	7031	484	4.8	7.24	273	7.5	6.94
	2:32	594	152.2	9.35	8419	471	99.2	7.78	4892	424	5.7	7.57	1548	14	7.6
	2:47	607	138	9.37	6841	455	100.2	7.79	7114	475	4.7	7.58	0	0	0
	3:02	587	151.5	9.35	8310	467	101.4	7.71	5230	418	4.7	7.47	1103	13.8	7.45
	3:17	589	135.4	9.38	6874	455	104.4	7.73	7037	477	4.6	7.5	140	10.6	7.46
	3:32	568	144.6	9.37	8217	480	105.6	7.8	5148	422	4.8	7.61	1128	13.6	7.66
	3:47	585	131.4	9.39	6957	459	108	7.91	6754	474	5.6	7.8	423	13.8	7.72
	4:02	569	143.3	9.37	7996	553	108.4	8.03	5082	432	5.3	7.94	1324	14.5	8.02
	4:17	0	135.3	9.38	7682	455	107.4	7.55	4141	472	5.1	7.19	3492	8.5	7.19
	4:32	579	150.1	9.34	7851	605	105	7.66	5697	428	4.1	7.46	706	14.1	7.53
	4:47	573	131.4	9.37	7257	445	102.3	7.67	6283	465	4.5	7.45	714	12.7	7.47
	5:02	588	134	9.35	7563	693	102.6	7.62	5817	432	3.4	7.37	601	13.4	7.38
	5:17	0	134	9.37	7452	461	103.6	7.65	6366	454	4.8	7.43	478	12.6	7.39
	5:32	0	132.6	9.38	7355	602	104.9	7.75	6171	431	3.9	7.58	300	14	7.65
	5:47	0	130	9.37	7655	433	106.4	7.87	5673	455	6.2	7.79	1135	13.4	7.71

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	0	131.4	9.37	7168	677	107.4	8.02	6018	438	5	7.98	512	14.6	8.09
	6:17	613	135.3	9.33	7935	435	107.8	8.15	5629	457	7.9	8.23	1250	13.9	8.16
	6:32	582	124.7	9.36	7257	493	107.2	8.08	5582	447	6.3	8.14	1351	5.8	8.05
	6:47	585	132.6	9.34	8043	455	105.9	7.87	4705	460	8	7.93	2120	14.4	7.61
	7:02	590	128.7	9.33	6849	648	103.8	7.89	6668	445	4	7.89	0	0	0
	7:17	573	135.3	9.31	8090	417	103.4	7.8	5030	435	6.1	7.65	1523	14	7.66
	7:32	592	126.1	9.31	6672	666	104.5	7.78	6765	452	3.9	7.63	0	0	0
	7:47	592	139.2	9.28	8288	450	105.6	7.81	4917	424	6.7	7.71	1543	13.5	7.68
	8:02	578	126.1	9.3	6575	574	107.4	7.9	6837	455	5	7.87	0	0	0
	8:17	584	140.5	9.29	8364	544	109	8.01	4626	419	7.5	8.06	1796	14	8.04
	8:32	569	124.7	9.31	7160	569	106.4	7.68	4904	468	4.8	7.4	2502	5.3	7.6
	8:47	593	136.6	9.29	8250	413	104.3	7.76	4786	412	5.9	7.63	1517	13.8	7.63
	9:02	611	124.7	9.31	6544	432	101.8	7.82	6778	452	4.1	7.75	0	0	0
	9:17	0	140.6	9.35	8197	433	102	7.89	4687	407	5.8	7.84	1533	13.3	7.85
	9:32	587	126.1	9.36	6531	436	102.5	7.99	6779	451	5.3	8.01	0	0	0
	9:47	0	107.4	9.33	8442	522	102.7	8.01	3195	399	6.1	8.12	3291	10.5	7.97
	10:02	579	128.7	9.37	6906	433	101.6	7.46	5665	462	3.6	7.15	1552	6.2	6.01
	10:17	579	136.6	9.33	8238	430	99.5	7.71	5022	405	4.8	7.56	1173	13.3	7.64
	10:32	0	128.8	9.39	6524	423	98.1	7.81	6763	452	4	7.74	0	0	0
	10:47	609	158.1	9.34	8072	446	99.2	7.88	5077	396	4.5	7.81	939	12.9	7.85
	11:02	0	128.8	9.39	6523	417	101.3	7.97	6815	452	4.4	7.96	0	10.3	7.91
	11:17	0	142	9.37	8009	552	104.3	8.07	4957	403	4.7	8.08	1132	11.3	8.16
	11:32	593	128.8	9.37	7182	417	103.7	7.55	4725	461	4.3	7.18	2661	6.4	7.07
	11:47	583	164.7	9.34	7697	558	103.1	7.76	5198	405	4.3	7.62	906	13.3	7.75
	12:02	599	130.2	9.37	6744	416	102.2	7.91	6407	441	5	7.91	279	11.6	7.87
	12:17	592	156.8	9.36	7483	621	103.8	7.99	5456	405	4.4	7.99	600	13.1	8.02
	12:32	601	128.8	9.37	6929	417	105.9	8.07	6198	440	4.8	8.12	432	11.9	8.08
	12:47	0	140.7	9.31	7666	682	107.4	7.83	3990	431	4.1	7.87	2697	6.2	7.4
	13:02	0	132.8	9.33	7175	410	109	7.65	6041	437	4.7	7.56	595	12.2	7.35

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	0	130.2	9.35	7094	641	107.7	7.85	5903	413	3.5	7.84	300	13	7.92
	13:32	0	127.6	9.37	7358	427	108	7.98	5830	429	4.6	8.05	623	12.5	7.99
	13:47	0	118.4	9.39	6923	651	107	8.09	5973	419	3.2	8.12	308	13	8.17
	14:02	0	136.8	9.35	7886	427	104.6	7.66	3972	450	4.3	7.2	2918	7.8	7.28
	14:17	0	125	9.39	6741	490	103.1	7.78	6174	421	3	7.64	101	14.3	7.8
	14:32	0	154.2	9.37	7718	432	100.9	7.89	5540	422	4.9	7.85	857	12.3	7.83
	14:47	575	117	9.38	6558	620	101.3	7.93	6318	424	3.1	7.87	0	0	0
	15:02	0	125	9.39	7858	431	102.5	7.98	5355	411	4.8	7.96	828	12.2	7.93
	15:17	580	108.9	9.41	6334	604	103.7	8.06	6488	432	3.1	8.06	0	0	0
	15:32	580	130.3	9.35	8629	421	102.5	7.79	2914	399	4.9	7.69	3796	7.4	7.22
	15:47	593	125	9.38	6298	588	101.4	7.67	6575	437	3.2	7.4	0	0	0
	16:02	601	130.2	9.33	8052	434	98.4	7.79	5024	392	4.9	7.68	912	12.4	7.68
	16:17	592	127.5	9.35	6299	557	98.1	7.84	6542	435	3.3	7.73	0	0	0
	16:32	601	123.6	9.35	7990	421	77.8	7.88	5001	389	4.6	7.83	903	11.8	7.82
	16:47	601	120.9	9.36	6262	408	102	8	6508	434	3.1	7.96	0	0	0
	17:02	0	106.2	9.36	8305	545	99.8	8.06	3718	371	4.5	8.09	2441	7.6	8.08
	17:17	597	110.1	9.38	6775	377	96.8	7.45	5245	443	3.3	7.16	1837	4.6	6.53
	17:32	568	136.8	9.31	8005	402	92.6	7.78	5017	387	4.6	7.63	849	11.7	7.68
	17:47	613	118.3	9.35	6202	412	90.9	7.9	6485	431	3.5	7.79	0	0	0
	18:02	591	156.8	9.29	7961	426	92.5	7.98	5028	383	4.5	7.88	756	11.3	7.9
	18:17	613	122.2	9.35	6196	413	93.5	8.07	6465	430	3.8	7.99	0	0	0
	18:32	0	111.4	9.37	8019	565	94.9	8.08	3905	381	4.1	8.05	2125	7.8	7.85
	18:47	0	118.2	9.35	6437	0	95.2	7.54	5566	444	4	7.11	1130	7.1	6.45
AVERAGES/TOTALS		589	133.1	9.35	564,718	493	104.1	7.83	422,381	434	4.8	7.72	79,381	11.5	7.62
MAXIMUM		613	164.7	9.41	8,629	693	122.3	8.15	7,114	484	8.0	8.23	3,898	14.6	8.17
MINIMUM		563	106.2	9.18	6,196	377	77.8	7.43	2,771	371	3.0	7.11	101	4.6	6.01
3/4/2022															
	7:32	599	94	8.75	6299	430	88.4	7.59	6248	448	3.2	7.36	328	4.7	6.98

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:47	592	92.7	9.15	6224	422	64.6	7.84	6464	431	2.6	7.68	0	0	0
	8:02	604	92.7	9.29	6140	422	65.6	7.9	6380	426	2.4	7.71	0	0	0
	8:17	588	95.4	9.29	6054	409	66.9	7.99	6295	419	2.4	7.77	0	0	0
	8:32	0	95.4	9.31	6025	402	66.7	8.08	6109	415	1.2	7.86	133	22.6	7.85
	8:47	607	124.7	9.27	7421	481	68.3	8.17	4792	368	2.2	7.95	768	14	7.99
	9:02	583	96.8	9.31	6532	535	69.5	8.27	6506	440	2.7	8.13	141	11.4	8.08
	9:17	0	95.5	9.32	6577	404	69.9	7.76	5507	441	2	7.36	1382	2.2	8.06
	9:32	571	94.2	9.31	6352	627	71.5	7.99	6074	406	1.6	7.77	0	0	0
	9:47	0	100.8	9.31	7787	396	71.8	8.11	5255	410	4.1	7.99	947	13.1	7.95
	10:02	610	92.9	9.31	6429	622	72.8	8.16	6237	418	2.4	8.03	0	0	0
	10:17	585	95.5	9.28	7900	399	74.2	8.21	5229	403	4.5	8.1	906	12.3	8.07
	10:32	587	91.6	9.31	6807	450	74.5	7.88	4895	440	3	7.56	2102	2.8	7.93
	10:47	594	96.9	9.29	8024	416	74.5	7.83	5053	389	4.5	7.63	963	12.5	7.52
	11:02	622	94.3	9.31	6499	398	74.5	8.01	5731	434	3.1	7.94	964	25.2	7.94
	11:17	578	130.1	9.26	7942	407	75.4	8.04	4820	377	3.6	7.96	969	14.9	7.99
	11:32	602	94.3	9.31	6208	572	75	8.1	6442	430	3.1	8.04	0	0	0
	11:47	0	107.4	9.25	8622	422	74.6	7.89	2538	348	4	8.11	3969	7.1	6.98
	12:02	602	91.6	9.28	6270	405	73.7	7.61	6484	434	2.6	7.32	0	0	0
	12:17	0	102.2	9.25	7998	374	72.2	7.79	4951	375	3.6	7.66	794	14	7.67
	12:32	588	92.9	9.26	6095	381	71.6	7.82	6331	422	2.5	7.66	0	0	0
	12:47	569	103.5	9.23	7934	401	72.8	7.86	4921	373	3.8	7.73	778	14.4	7.75
	13:02	0	90.3	9.26	6073	363	73.2	7.93	6303	420	2.6	7.84	0	0	0
	13:17	0	98.2	9.25	7831	416	74	8	4855	368	3.5	7.94	799	13.9	7.98
	13:32	586	90.3	9.23	6093	407	74.3	8.09	6301	421	3	8.08	0	0	0
	13:47	0	95.6	9.26	8142	421	74	7.99	3125	369	3.1	8.15	3020	8.1	7.16
	14:02	594	90.3	9.22	6120	368	74.3	7.65	6378	429	3	7.33	0	5.1	6.5
	14:17	590	92.9	9.24	7608	421	73	7.82	5039	367	3.1	7.71	516	14	7.77
	14:32	598	90.3	9.26	6142	404	71.8	7.89	6083	420	3	7.79	293	12.2	7.8
	14:47	599	92.9	9.27	7666	413	72.4	7.93	4997	364	3.2	7.84	524	13.3	7.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:02	0	91.6	9.28	6164	386	72.1	8.01	6056	417	3	7.97	286	12.8	7.96
	15:17	603	91.7	9.28	5852	383	72.7	8.09	6125	407	2.1	8.04	0	0	0
	15:32	608	90.3	9.27	5690	395	73	8.17	5973	397	1.9	8.13	0	0	0
	15:47	581	95.6	9.33	7812	592	72.7	7.7	3087	370	3.3	7.45	3334	4.6	7.3
	16:02	0	90.3	9.25	6505	381	72.1	7.79	5729	406	3.4	7.85	390	13.9	7.71
	16:17	585	91.7	9.27	6866	666	70.5	7.88	5277	376	2.5	7.84	411	15	7.84
	16:32	615	90.3	9.22	6733	380	70.2	7.93	5592	393	3.4	7.87	395	12.6	7.87
	16:47	565	87.7	9.23	6734	596	70.6	7.96	5313	377	2.6	7.86	370	15.8	7.89
	17:02	0	91.6	9.2	6912	387	71.2	8.02	5541	390	3.6	8	358	13.2	7.97
	17:17	532	86.4	9.2	6398	628	71.5	8.1	5560	383	2.5	8.05	204	15.9	8.12
	17:32	591	86.4	9.18	7949	380	69.9	7.67	3262	394	3.7	7.39	3468	6.2	6.7
	17:47	594	82.1	9.2	5770	388	68.9	7.67	6035	401	1.9	7.42	0	0	0
	18:02	610	80.8	9.21	5669	372	66.7	7.76	5942	396	1.5	7.57	0	0	0
	18:17	0	80.7	9.23	5648	631	66.2	7.78	5766	386	1.2	7.57	0	0	0
	18:32	0	82.1	9.2	7572	399	66.6	7.81	4862	359	3.5	7.66	704	14.8	7.64
	18:47	0	79.4	9.2	5715	0	65.6	7.88	5948	397	2.1	7.74	0	0	0
AVERAGES/TOTALS		592	93.8	9.25	311,803	443	71.7	7.92	252,411	401	2.9	7.79	30,216	12.1	7.70
MAXIMUM		622	130.1	9.33	8,622	666	88.4	8.27	6,506	448	4.5	8.15	3,969	25.2	8.12
MINIMUM		532	79.4	8.75	5,648	363	64.6	7.59	2,538	348	1.2	7.32	133	2.2	6.50
3/13/2022															
	6:48	0	3.1	5.51	733	0	86	7.46	492	395	1.9	7.81	272	38.2	6.37
	7:03	0	26.8	5.55	376	0	93.2	7.06	273	539	0	6.69	138	0	6.67
	7:18	0	20.7	5.56	250	0	31.7	7.09	259	517	0	6.76	0	0	6.81
	8:17	0	38.6	5.57	379	398	33.4	7.31	264	535	2.8	7.01	133	3	7
	8:32	0	35.6	5.58	6172	577	13.4	7.46	5454	398	0.7	7.18	498	30.1	7.27
	8:47	0	31.8	5.59	7114	386	14.6	7.55	5433	395	2.6	7.34	539	13.3	7.32
	9:02	0	31.1	5.58	996	0	14.9	7.58	1024	413	1.7	7.35	33	1.7	7.35
	9:17	0	30.9	5.61	2310	0	16.7	7.54	1987	471	2.1	7.33	411	11.7	7.34

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INCOMING PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:33	0	29.2	5.69	278	0	31.1	7.46	141	561	2.6	7.29	140	1.9	7.27
	10:48	558	24.7	8.54	6753	403	12.2	7.39	3734	360	2.8	7.17	724	14.3	7.18
	11:03	579	25.8	8.85	5960	418	10.6	7.34	6177	414	0	7.07	0	0	0
	11:18	600	26.5	8.98	7322	603	10	7.45	5188	377	1.1	7.18	491	13.6	7.25
	11:32	618	25.6	9.03	6513	413	9.8	7.59	6023	404	0.8	7.37	0	0	0
	11:48	600	25.9	9.01	6002	409	9	7.72	6267	418	0.1	7.49	0	0	0
	12:03	585	27.3	9.05	5997	408	9	7.82	6256	416	0.2	7.59	0	0	0
	12:18	597	28.6	9.1	5960	393	8.9	7.9	6184	411	0.2	7.67	0	0	0
	12:33	0	29.2	9.14	5852	404	8.9	7.98	6125	408	0.3	7.73	0	0	0
	12:48	593	28	9.13	5806	373	13.5	8.04	6076	402	0.5	7.79	0	0	0
	13:03	573	28	9.14	5750	382	16	8.12	5975	399	0.7	7.87	0	0	0
AVERAGES/TOTALS		589	27.2	7.38	80,523	428	23.3	7.57	73,332	433	1.3	7.35	3,379	14.2	7.08
MAXIMUM		618	38.6	9.14	7,322	603	93.2	8.12	6,267	561	2.8	7.87	724	38.2	7.35
MINIMUM		558	3.1	5.51	250	373	8.9	7.06	141	360	0.1	6.69	33	1.7	6.37

SUMMARY

AVERAGES/TOTALS	630	142.7	9.31	2,383,374	496	98.0	7.78	1,653,941	447	5.0	7.58	503,327	13.4	7.50
MAXIMUM	791	389.9	9.75	9,107	693	135.4	8.38	7,634	565	10.0	8.38	8,355	38.2	8.26
MINIMUM	36	3.1	5.51	166	363	8.9	7.06	141	348	0.1	6.60	33	1.2	6.01

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

APRIL 2021

Downloaded: 5/14/2021

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
4/1/2021														
	1:01	765	6.5	3,285	585	25.9	7.42	4,198	794	4.7	7.37	90	3.5	7.38
	1:16	739	6.2	12,031	570	22.8	7.4	7,435	674	4	7.39	2,737	24.5	7.38
	1:31	752	6.3	8,507	558	23.7	7.37	11,183	747	1.3	7.37	0	0	0
	1:46	739	6.6	8,504	568	23.8	7.35	11,226	747	2.7	7.35	0	0	0
	2:01	751	6.3	11,944	572	24.3	7.35	7,554	670	4.1	7.35	2,569	24.9	7.36
	2:16	725	6.5	8,512	576	25	7.32	11,225	748	1	7.32	0	0	0
	2:31	0	6.1	8,505	557	25	7.3	11,203	745	2.3	7.3	0	0	0
	2:46	0	5.6	6,081	0	35.5	7.33	3,987	699	3.4	7.31	1,367	19.7	7.32
	4:31	762	6.4	3,340	558	31	7.35	2,589	867	2.5	7.32	1,716	15.2	7.32
	4:46	743	6.6	8,509	533	25.5	7.33	11,261	749	2	7.32	0	0	0
	5:01	753	6.8	8,506	575	27	7.3	11,144	745	3.8	7.29	0	0	0
	5:16	753	6.7	11,280	639	28.4	7.28	7,187	705	5.4	7.27	3,290	26.5	7.27
	5:31	724	6.7	9,240	561	29.1	7.25	11,025	735	2.1	7.25	0	0	0
	5:46	0	6.7	8,445	579	29.4	7.24	11,211	746	2.3	7.23	0	0	0
	6:01	0	5.6	9,816	101	31.2	7.24	7,537	715	4	7.23	2,227	25.5	7.24
	6:16	0	5.6	267	0	47	7.27	0	0	0	0	0	16.3	7.25
	7:46	759	6.4	3,986	559	35.2	7.27	3,358	845	2.3	7.23	1,735	17.9	7.24
	8:01	723	6.2	11,943	608	31.5	7.25	7,205	666	3.3	7.24	2,911	21.3	7.23
	8:16	751	6.3	8,682	591	33.1	7.24	11,198	760	1.7	7.23	249	9.6	7.24
	8:31	764	6.5	8,464	568	36.1	7.24	11,176	743	2.8	7.23	0	0	0
	8:46	755	6.2	11,980	562	43.2	7.24	7,094	684	4.5	7.24	3,185	25.9	7.24
	9:01	742	6.4	8,447	561	46.5	7.23	11,196	746	1.7	7.23	0	0	0
	9:16	0	6.2	6,438	0	46.1	7.23	8,400	745	3.8	7.23	191	4.7	7.23

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:16	749	6.2	385	778	78.6	7.29	0	494	8.2	7.26	476	9	7.26
	11:31	751	6	12,832	600	44.5	7.28	4,991	715	6.3	7.25	6,366	23.2	7.25
	11:46	733	6.1	8,686	582	50.1	7.25	11,138	759	1.7	7.24	249	9.5	7.25
	12:01	741	6.3	8,453	604	53.1	7.26	11,174	744	3.4	7.25	0	0	0
	12:16	745	6.1	11,895	573	52.2	7.29	6,543	677	5.6	7.27	3,569	27.7	7.29
	12:31	758	6.2	8,725	592	52	7.3	11,312	755	1.7	7.29	0	0	0
	12:46	738	6.5	8,514	566	52	7.32	11,197	743	2.2	7.31	0	0	0
	13:01	0	6.1	11,964	553	52.4	7.34	7,096	680	4.8	7.33	3,114	27.4	7.34
	13:16	0	5.8	4,955	0	52	7.34	6,345	746	1	7.32	191	0.9	7.32
	14:16	0	5.7	4,095	0	51.3	7.37	5,350	785	1.8	7.33	75	0.9	7.34
	14:31	746	5.9	7,409	995	47.5	7.36	6,127	737	2.5	7.33	1,662	27.3	7.34
	14:46	720	5.7	10,736	586	49.5	7.35	9,359	707	2.7	7.34	1,169	13.4	7.34
	15:01	747	6	8,488	566	50.6	7.34	11,126	743	1.1	7.32	0	0	0
	15:16	0	5.7	6,040	0	50.7	7.34	8,041	745	2.3	7.33	7	3	7.33
	17:31	744	6.1	5,955	954	57	7.42	950	726	8.3	7.38	3,934	22.7	7.38
	17:46	738	6.1	10,076	566	48.6	7.41	10,145	726	2.6	7.4	677	15.4	7.4
	18:01	754	6.3	8,447	541	48	7.4	11,207	746	1.4	7.39	0	0	0
	18:16	732	6.3	9,995	995	48.3	7.4	8,636	723	2.4	7.39	2,058	34.5	7.4
	18:31	752	6.2	10,666	574	49	7.41	9,803	724	3.1	7.41	1,094	13	7.41
	18:46	737	6.4	8,431	554	49	7.42	11,200	747	1.3	7.41	0	0	0
	19:01	765	6.5	9,589	979	49.6	7.42	9,408	725	2	7.42	1,338	38.3	7.42
	19:16	0	5.9	10,891	566	51	7.42	9,121	714	3.2	7.42	1,528	17	7.42
	19:31	0	5.8	4,114	0	51.3	7.42	5,429	747	1.2	7.42	7	1.2	7.42
	21:46	749	6.6	8,425	578	53.6	7.41	11,129	765	1.5	7.4	48	1.2	7.41
	22:01	772	6.3	11,951	603	50.7	7.39	6,975	677	3.6	7.39	3,223	26.2	7.39
	22:16	739	6.4	8,728	544	50.7	7.36	11,220	762	2.1	7.37	249	9.7	7.39
	22:31	717	6.7	8,443	551	50.7	7.34	11,168	746	2.2	7.34	0	0	0
	22:46	762	6.4	11,744	712	52.6	7.33	6,649	699	3.7	7.33	3,767	25.7	7.33
	23:01	722	6.5	9,056	575	53.4	7.31	10,811	758	2.4	7.31	742	10.8	7.33

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:16	0	5.5	8,471	544	53.4	7.3	11,186	746	2.3	7.31	0	0	0
	23:31	0	5.8	1,118	0	53.4	7.31	1,484	745	2.9	7.31	4	2.9	7.31
AVERAGES/TOTALS		745	6.21	445,989	605	43.2	7.33	445,912	732	3.0	7.32	57,814	16.6	7.33
MAXIMUM		772	6.80	12,832	995	78.6	7.42	11,312	867	8.3	7.42	6,366	38.3	7.42
MINIMUM		717	5.50	267	101	22.8	7.23	950	494	1.0	7.23	4	0.9	7.23
4/2/2021														
	1:31	745	6.3	6,208	995	59.9	7.32	4,887	745	3.3	7.3	1,479	36	7.3
	1:46	750	6.1	11,185	557	55.6	7.31	8,053	750	3.3	7.31	3,069	16.7	7.31
	2:01	741	6.3	8,472	557	54.1	7.29	11,130	744	2.2	7.29	0	0	0
	2:16	738	6.4	9,148	995	54.6	7.28	10,134	725	3.5	7.28	685	47.2	7.28
	2:31	747	6.2	11,611	560	55.3	7.28	6,910	761	3.6	7.27	4,344	21.4	7.28
	2:46	742	6.4	8,470	568	55.2	7.26	11,114	742	2.4	7.26	0	0	0
	3:01	0	5.7	8,712	994	56.8	7.27	10,885	730	3.7	7.26	0	0	0
	3:16	0	5.6	4,343	0	85.7	7.28	0	423	8.8	7.27	2,815	28.3	7.28
	5:01	761	6.5	5,992	562	65.7	7.29	5,969	797	2.9	7.28	1,853	24.4	7.29
	5:16	736	6.7	8,467	580	60.4	7.29	11,141	742	3.2	7.28	0	0	0
	5:31	734	6.9	8,520	930	58.9	7.27	11,183	744	4.9	7.26	0	0	0
	5:46	736	6.5	12,490	570	60.2	7.25	2,137	333	5.1	7.25	4,888	26.2	7.25
	6:01	744	6.7	8,507	573	58.8	7.24	0	0	2.6	7.23	0	0	0
	6:16	0	6.1	8,564	555	60	7.24	0	0	3.9	7.23	0	0	0
	6:31	0	5.6	6,414	0	71.8	7.25	0	0	4.9	7.23	0	31.1	7.25
	8:16	759	6.4	1,123	703	83	7.25	0	0	0	0	0	35.8	7.26
	8:31	776	6.6	8,579	564	65.4	7.26	10,420	755	3.1	7.25	108	10.7	7.25
	8:46	771	6.8	8,426	548	66.1	7.26	11,097	738	4.3	7.25	0	0	0
	9:01	753	6.7	10,562	995	71	7.26	7,692	719	5.8	7.25	2,974	37.8	7.25
	9:16	749	6.7	10,473	572	74.6	7.25	8,118	777	3.5	7.22	3,551	15.6	7.24
	9:31	739	6.9	8,484	553	76.1	7.22	11,161	742	3.7	7.2	0	0	0
	9:46	737	6.9	10,130	995	76.5	7.21	8,439	720	5.1	7.19	2,250	44	7.18

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:01	756	6.8	10,882	559	77.7	7.2	7,633	778	3.6	7.17	4,010	16.9	7.18
	10:16	721	7	8,419	539	77.5	7.19	11,120	741	3.5	7.16	0	0	0
	10:31	0	5.8	9,689	995	78	7.2	9,208	723	5.1	7.17	1,536	47.6	7.18
	10:46	0	5.7	4,638	0	82.5	7.21	0	0	0	0	3,178	19.1	7.19
	11:31	732	6.4	288	654	95.1	7.24	0	418	9.3	7.24	370	11.9	7.23
	11:46	727	6.7	8,926	565	82.5	7.24	11,143	769	3.1	7.19	498	11	7.22
	12:01	753	6.8	8,456	546	80.2	7.22	11,125	742	3.8	7.19	0	0	0
	12:16	759	6.6	11,528	812	83.3	7.22	5,946	713	5.2	7.19	4,651	29.6	7.19
	12:31	758	6.6	9,380	557	82.7	7.23	10,344	767	3.4	7.21	1,416	13.9	7.21
	12:46	711	6.9	8,431	574	83.8	7.24	11,163	744	3.6	7.22	0	0	0
	13:01	0	5.5	11,134	857	87.5	7.26	6,684	719	5.1	7.22	1,029	31.6	7.23
	13:16	0	5.7	2,365	0	93.2	7.26	0	0	8.3	7.24	0	14.2	7.24
	14:01	741	6.6	8,590	571	128.1	7.37	3,347	276	3	7.3	604	21.6	7.44
	14:16	0	6.5	8,435	555	69.4	7.3	11,109	739	3.4	7.28	0	0	0
	14:31	747	5.7	7,829	0	73.3	7.32	5,846	710	4.8	7.27	1,728	30.2	7.43
	14:46	754	5.8	7,468	995	70.6	7.37	1,711	766	5.3	7.31	4,843	21.6	7.37
	15:01	745	5.8	10,368	561	71.6	7.35	9,267	755	2.9	7.34	2,107	14.2	7.33
	15:16	732	6	8,479	565	71.6	7.38	11,085	739	1.5	7.37	0	0	0
	15:31	767	6	9,971	995	68.7	7.4	8,601	719	2.4	7.38	2,036	35.4	7.38
	15:46	743	5.9	10,617	560	61.4	7.36	9,179	721	3	7.36	1,728	14.6	7.37
	16:01	750	6.1	8,446	576	58.8	7.33	11,108	742	1.4	7.33	0	0	0
	16:16	0	5.7	9,600	808	59.4	7.33	9,397	724	2.9	7.33	1,368	40.8	7.33
	16:31	0	5.7	2,309	0	73.6	7.4	347	631	8.8	7.34	987	16.2	7.5
	17:46	743	6.3	2,307	583	61.8	7.52	1,354	902	3.6	7.43	1,661	17.3	7.57
	18:01	746	6.6	8,567	591	48.5	7.43	11,213	751	1.5	7.36	0	0	0
	18:16	756	6.8	8,421	558	49.7	7.34	11,114	740	2.6	7.32	0	0	0
	18:31	760	6.6	11,535	769	50.5	7.32	6,581	698	4.8	7.31	3,781	26.6	7.31
	18:46	755	6.7	9,301	550	49.7	7.31	10,874	749	2	7.3	498	12.5	7.31
	19:01	739	7	8,466	584	52.7	7.3	11,110	740	1.8	7.3	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:16	748	6.8	11,081	952	55	7.31	7,449	710	4.2	7.3	3,085	28	7.32
	19:31	762	6.9	9,604	584	51.3	7.31	10,617	731	2.4	7.32	498	11.1	7.32
	19:46	0	5.9	8,445	554	50.7	7.31	11,168	743	1.7	7.3	0	0	0
	20:01	0	5.8	4,358	0	49.9	7.3	5,731	739	3.3	7.3	0	4	7.3
	21:31	776	6.2	1,957	995	60.8	7.45	370	762	7.9	7.66	1,692	17.2	7.46
	21:46	761	6.1	11,964	554	41.3	7.35	6,993	716	3.3	7.3	3,771	24.2	7.33
	22:01	767	6.3	8,470	535	44.5	7.28	11,101	739	1.3	7.27	0	0	0
	22:16	753	6.4	8,472	995	45.3	7.26	11,053	738	3.1	7.25	0	0	0
	22:31	733	6.2	12,283	573	46.4	7.26	6,878	708	3.9	7.25	3,795	25	7.25
	22:46	776	6.4	8,449	551	46.7	7.23	11,082	740	1.5	7.23	0	0	0
	23:01	765	6.7	8,436	927	46.7	7.22	11,076	738	3.6	7.21	0	0	0
	23:16	760	6.4	12,222	580	47.8	7.21	6,408	711	4.3	7.21	4,346	24.6	7.21
	23:31	760	6.6	8,429	575	46.2	7.19	11,074	738	1.6	7.19	0	0	0
	23:46	0	6.1	8,454	555	45.4	7.19	11,088	740	3.8	7.19	0	0	0
	AVERAGES/TOTALS	749	6.34	542,349	678	65.0	7.29	490,167	715	3.8	7.27	83,232	23.9	7.30
	MAXIMUM	776	7.00	12,490	995	128.1	7.52	11,213	902	9.3	7.66	4,888	47.6	7.57
	MINIMUM	711	5.50	288	535	41.3	7.19	347	276	1.3	7.16	108	4.0	7.18
4/3/2021														
	0:01	0	5.7	6,075	0	62.6	7.23	1,936	661	5.6	7.19	2,650	27.9	7.3
	1:16	735	6.3	49	776	40.8	7.15	0	0	0	0	59	26.9	7.2
	1:31	737	6.6	9,111	544	47.8	7.29	9,993	768	2.3	7.18	1,844	27.8	7.2
	1:46	743	6.8	8,411	581	45.3	7.21	11,048	736	3.9	7.18	0	0	0
	2:01	739	6.7	9,997	995	45.4	7.2	8,475	716	6.2	7.19	2,221	40.4	7.19
	2:16	750	6.6	10,782	573	44.5	7.18	8,399	753	2.8	7.17	2,889	14.6	7.19
	2:31	761	6.9	8,446	605	45.2	7.16	11,023	737	2.7	7.15	0	0	0
	2:46	774	7	9,595	995	46	7.14	9,231	720	5.3	7.13	1,505	43.4	7.12
	3:01	778	6.8	11,157	540	43.9	7.12	7,886	748	3	7.12	3,308	17	7.12
	3:16	0	6.2	8,426	548	42.5	7.11	11,051	737	2.4	7.1	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:31	0	5.8	6,534	0	42.7	7.11	8,423	735	4.7	7.09	31	5.6	7.09
	5:01	733	6.2	2,741	995	54	7.26	100	470	8.9	7.1	2,380	29.9	7.1
	5:16	767	6.1	11,686	580	43.2	7.17	7,198	759	3.2	7.11	3,972	19.1	7.11
	5:31	727	6.3	8,429	557	43.9	7.12	11,015	733	2.7	7.09	0	0	0
	5:46	761	6.4	8,684	995	44	7.1	10,683	719	5.4	7.08	150	10.3	7.08
	6:01	746	6.2	12,056	553	44	7.09	6,409	755	3.5	7.09	4,647	25.3	7.09
	6:16	768	6.4	8,418	609	42.5	7.09	11,064	736	2.3	7.07	0	0	0
	6:31	753	6.6	8,438	995	42.9	7.09	11,009	735	4.6	7.07	0	0	0
	6:46	769	6.4	12,319	556	44.6	7.09	6,052	724	4.3	7.08	4,798	24.3	7.09
	7:01	753	6.6	8,422	556	44.1	7.09	11,047	736	2.4	7.07	0	0	0
	7:16	0	5.5	8,462	922	45	7.09	10,994	734	4	7.08	0	0	0
	7:31	0	5.6	2,171	0	66.8	7.21	1,211	610	5.3	7.09	0	49.9	7.09
	9:01	730	6.5	8,992	550	52.5	7.22	9,228	770	4.2	7.09	2,457	36	7.1
	9:16	743	6.4	10,623	995	52.8	7.13	7,440	713	6	7.09	3,118	34.9	7.09
	9:31	732	6.4	10,270	555	52.2	7.1	8,774	760	2.8	7.08	2,727	14.8	7.09
	9:46	749	6.6	8,394	554	50.7	7.09	10,995	734	3.4	7.06	0	0	0
	10:01	755	6.6	10,104	995	51.2	7.08	8,211	713	5.9	7.06	2,415	37.8	7.07
	10:16	745	6.5	10,618	591	51.2	7.09	8,695	753	3	7.08	2,609	15.2	7.08
	10:31	747	6.8	8,495	552	51.4	7.1	11,044	736	2.9	7.08	0	0	0
	10:46	768	6.9	9,727	995	52.6	7.11	8,959	716	5.5	7.09	1,727	42.3	7.1
	11:01	729	6.7	11,006	567	51.5	7.12	7,924	749	3.1	7.11	3,268	15.6	7.11
	11:16	0	5.7	8,403	594	51	7.14	11,032	736	2.4	7.11	0	0	0
	11:31	0	5.8	2,444	0	50.9	7.14	3,100	734	4.1	7.12	81	4.5	7.11
	12:16	755	6.3	880	813	68.5	7.27	917	773	7.7	7.16	246	9.5	7.16
	12:31	743	6.1	12,884	659	51.1	7.23	4,477	693	6.5	7.17	6,858	22.5	7.17
	12:46	753	6.2	8,218	554	59.2	7.25	3,795	297	2.3	7.22	65	5.2	7.21
	13:01	763	6.1	11,327	621	55.9	7.28	7,231	688	3	7.24	3,068	21.6	7.25
	13:16	761	6.2	9,031	568	55.3	7.29	10,860	724	2.4	7.26	0	0	0
	13:31	735	6.4	8,512	589	58.6	7.31	11,031	734	2.1	7.28	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:46	743	6.2	11,896	573	57.8	7.31	7,190	666	4.7	7.29	2,911	27	7.29
	14:01	741	6.4	8,454	570	56.1	7.3	11,137	743	2.3	7.27	0	0	0
	14:16	736	6.7	8,422	934	56	7.29	10,947	734	4.2	7.24	0	0	0
	14:31	0	5.5	12,254	560	55.6	7.31	6,518	690	5.2	7.27	3,952	24.4	7.27
	14:46	0	5.7	1,549	0	53.8	7.32	2,025	738	1.9	7.28	13	1.9	7.28
	16:31	764	6.6	8,274	551	50.8	7.41	10,873	755	2.7	7.32	0	1.7	7.31
	16:46	739	6.7	8,382	995	53.7	7.4	11,039	738	4.3	7.33	0	0	0
	17:01	787	6.5	12,260	541	57.1	7.39	6,730	691	4.7	7.34	3,784	24.3	7.34
	17:16	735	6.7	8,430	529	59.6	7.37	11,023	737	2.4	7.32	0	0	0
	17:31	736	6.9	8,363	995	61.4	7.37	11,042	736	5	7.32	0	0	0
	17:46	736	6.7	12,258	563	61.6	7.37	6,381	715	5.2	7.33	4,291	23.6	7.33
	18:01	728	6.9	8,379	593	61.8	7.37	11,028	736	2.8	7.32	0	0	0
	18:16	0	5.9	8,370	544	62.6	7.37	11,064	736	5.6	7.32	0	0	0
	18:31	0	5.7	4,823	0	86.3	7.4	1,779	655	7.2	7.32	1,762	22.5	7.33
	19:46	756	6.3	414	697	85.5	7.38	0	0	0	0	526	17.1	7.35
	20:01	772	6.5	9,018	538	54.3	7.37	10,281	764	2.9	7.33	1,493	15.9	7.34
	20:16	770	6.8	8,429	581	58.5	7.32	10,989	733	5.1	7.29	0	0	0
	20:31	752	6.8	9,649	995	60.2	7.29	8,970	715	7.7	7.26	1,713	43.1	7.25
	20:46	750	6.7	11,155	545	60.9	7.27	7,655	762	3.8	7.24	3,676	16	7.25
	21:01	739	6.9	8,352	571	63.1	7.25	10,983	734	4.1	7.22	0	0	0
	21:16	743	7	9,252	995	65	7.24	9,709	717	6.8	7.21	1,035	47.4	7.2
	21:31	765	6.9	11,498	564	64.8	7.23	6,823	758	4	7.2	4,345	19.4	7.2
	21:46	0	6.5	8,391	554	65.3	7.2	11,025	735	4.1	7.17	0	0	0
	22:01	0	5.7	8,183	107	65.7	7.2	10,314	721	6.9	7.17	5	8.4	7.16
	22:16	0	5.7	766	0	84.6	7.28	0	0	0	0	0	48.6	7.17
	23:31	744	6.2	3,025	995	78.2	7.23	0	0	0	0	3,340	39.4	7.15
	23:46	737	6	12,372	547	67.2	7.2	5,016	780	4.3	7.16	6,211	17.6	7.16

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		750	6.38	552,955	676	55.2	7.22	518,501	718	4.2	7.18	98,150	23.7	7.18
MAXIMUM		787	7.00	12,884	995	86.3	7.41	11,137	780	8.9	7.34	6,858	49.9	7.35
MINIMUM		727	5.50	49	107	40.8	7.08	100	297	1.9	7.06	5	1.7	7.07
4/4/2021														
	0:01	745	6.2	8,342	575	69.2	7.18	10,943	728	4.2	7.15	0	0	0
	0:16	777	6.4	8,357	995	72.7	7.19	10,905	726	7.6	7.16	0	0	0
	0:31	771	6	12,389	550	73.7	7.19	4,969	742	5.3	7.16	6,067	25	7.16
	0:46	758	6.3	8,248	557	73.5	7.19	10,927	729	4.2	7.16	0	0	0
	1:01	777	6.5	8,305	906	73.5	7.19	10,919	728	7.6	7.16	0	0	0
	1:16	739	6.2	12,364	570	74.5	7.2	5,115	734	6.2	7.17	5,807	25.5	7.17
	1:31	752	6.4	8,350	542	73.6	7.2	10,933	730	3.4	7.17	0	0	0
	1:46	734	6.7	8,357	547	74.6	7.19	10,888	729	6.4	7.16	0	0	0
	2:01	747	6.4	12,272	565	75	7.19	5,670	722	6.4	7.16	5,160	25.3	7.16
	2:16	746	6.6	8,373	547	74.3	7.18	10,935	730	2.8	7.14	0	0	0
	2:31	0	6	8,413	551	75.2	7.19	10,942	729	5.6	7.14	0	0	0
	2:46	0	5.6	5,402	0	88.7	7.2	2,901	677	7.2	7.14	1,563	27.2	7.16
	4:16	749	6.4	4,029	583	84.4	7.22	3,129	833	4.1	7.16	2,062	21.6	7.17
	4:31	761	6.6	8,300	542	76.8	7.2	10,900	728	4.2	7.16	0	0	0
	4:46	762	6.9	8,334	536	78	7.19	10,904	726	7.1	7.15	0	0	0
	5:01	727	6.6	11,814	795	79.5	7.18	5,793	698	8.8	7.14	4,640	27.7	7.14
	5:16	723	6.7	8,968	540	79.9	7.16	10,525	753	3	7.12	995	14	7.14
	5:31	747	7	8,334	540	80.5	7.15	10,935	728	4.5	7.11	0	0	0
	5:46	755	6.8	11,349	785	82.7	7.14	6,474	698	6.6	7.09	3,938	27.9	7.1
	6:01	750	6.9	9,344	562	83.1	7.13	10,409	745	3.1	7.09	916	12	7.11
	6:16	0	6.8	8,340	560	84.1	7.13	10,908	727	4.2	7.09	0	0	0
	6:31	0	5.6	10,286	95	86.1	7.14	6,710	703	6.2	7.09	3,231	28.6	7.09
	6:46	0	5.7	231	0	125.1	7.15	0	0	0	0	0	10.3	7.11
	8:01	727	6.5	6,404	545	92.1	7.15	6,610	775	3	7.11	1,717	14.3	7.12

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:16	774	6.7	8,313	564	89.6	7.14	10,898	727	4.2	7.09	0	0	0
	8:31	766	6.9	8,303	995	90.7	7.14	10,896	727	6.8	7.09	0	0	0
	8:46	729	6.6	12,311	553	91.8	7.14	5,335	732	4.7	7.11	5,643	25	7.11
	9:01	758	6.8	8,333	577	91.9	7.14	10,896	727	3	7.09	0	0	0
	9:16	746	7	8,353	995	93.2	7.14	10,910	727	5.3	7.09	0	0	0
	9:31	748	6.7	12,308	578	94.9	7.15	5,774	716	5.1	7.11	5,069	24.3	7.1
	9:46	749	7	8,286	577	95.6	7.16	10,951	730	2.7	7.09	0	0	0
	10:01	0	6.2	8,271	539	97.4	7.16	10,950	728	4.9	7.1	0	0	0
	10:16	759	5.6	12,241	562	99.9	7.17	5,923	710	5.5	7.12	4,844	24.1	7.12
	10:31	758	5.9	8,361	546	100.4	7.17	10,890	728	2.6	7.11	0	0	0
	10:46	0	6.1	2,522	0	101.8	7.17	3,284	726	3.8	7.12	0	4.2	7.12
	12:31	737	6.4	7,283	534	110.8	7.24	5,571	794	6.6	7.18	3,796	12.1	7.18
	12:46	764	6	12,274	535	107	7.25	5,738	720	5.8	7.2	5,111	24.4	7.2
	13:01	741	6.2	8,323	573	107.1	7.27	10,912	729	2.7	7.22	0	0	0
	13:16	742	6.5	8,299	562	107.6	7.28	10,900	727	4	7.24	0	0	0
	13:31	761	6.3	12,172	562	109.5	7.29	6,283	682	5.7	7.25	4,221	24.6	7.25
	13:46	744	6.4	8,365	543	111.1	7.29	10,952	731	2.5	7.24	0	0	0
	14:01	741	6.7	8,358	546	114.5	7.27	10,966	728	3.6	7.22	0	0	0
	14:16	745	6.4	12,186	560	115.7	7.25	5,985	689	5.9	7.22	4,591	24	7.22
	14:31	748	6.6	8,406	551	115.8	7.25	11,039	736	2.6	7.21	0	0	0
	14:46	0	6.9	2,786	0	116.5	7.25	3,665	731	3.1	7.21	10	3.4	7.2
	15:01	733	6.8	1,535	591	154.8	7.3	1,978	802	4.4	7.22	34	5.6	7.22
	15:16	0	5.8	9,250	992	47.2	7.27	9,607	715	2.8	7.21	1,097	48.3	7.2
	15:31	0	5.7	7,376	0	57.4	7.25	3,377	702	5.5	7.2	2,834	14.8	7.21
	16:31	743	6.6	7,675	534	46.6	7.25	10,069	749	1	7.2	0	1.1	7.22
	16:46	759	6.8	8,334	577	46.9	7.23	10,944	729	1.8	7.18	0	0	0
	17:01	745	6.6	11,808	569	49.4	7.24	6,874	656	4	7.2	3,154	28.2	7.21
	17:16	766	6.7	8,433	557	49.5	7.26	11,058	738	1.3	7.21	0	0	0
	17:31	769	7	8,325	557	49.3	7.26	10,930	730	1.4	7.21	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:46	752	6.8	11,592	569	50.3	7.26	7,068	665	3.7	7.21	2,932	28.5	7.22
	18:01	0	6.8	8,645	556	48.3	7.26	10,947	727	1.4	7.22	0	0	0
	18:16	0	5.6	8,316	551	47.5	7.27	10,892	727	1.1	7.22	0	0	0
	18:31	0	5.8	1,802	0	46.8	7.28	2,362	729	1.9	7.24	7	2.2	7.23
	20:01	769	6.2	6,046	995	50.6	7.29	2,860	759	5.3	7.25	3,156	25.8	7.24
	20:16	766	6.1	10,759	566	45.1	7.28	9,007	692	2.6	7.24	1,365	16.8	7.25
	20:31	772	6.3	8,236	584	45.3	7.26	10,907	728	0.9	7.22	0	0	0
	20:46	751	6.4	9,019	987	46.4	7.27	9,905	709	2.3	7.23	688	48.8	7.23
	21:01	784	6.3	11,187	547	48.7	7.28	8,258	687	2.8	7.25	2,063	22.2	7.24
	21:16	800	6.6	8,327	544	46.8	7.27	10,911	728	0.9	7.24	0	0	0
	21:31	776	6.8	8,621	995	47.6	7.26	10,673	712	2.6	7.23	0	0	0
	21:46	759	6.6	11,582	554	48.7	7.25	7,402	686	3.1	7.2	2,912	28.5	7.21
	22:01	0	6.3	8,268	554	46.7	7.21	10,952	728	1.1	7.17	0	0	0
	22:16	0	5.8	7,034	0	46.7	7.2	9,082	724	2.7	7.16	173	3.5	7.16
AVERAGES/TOTALS		754	6.42	573,129	614	78.5	7.21	564,125	726	4.1	7.17	89,796	20.6	7.18
MAXIMUM		800	7.00	12,389	995	154.8	7.30	11,058	833	8.8	7.25	6,067	48.8	7.25
MINIMUM		723	5.60	231	95	45.1	7.13	1,978	656	0.9	7.09	7	1.1	7.09
4/5/2021														
	0:01	765	6	11,037	571	53.7	7.22	3,749	672	6	7.18	5,301	23	7.18
	0:16	766	6.2	8,290	555	47.2	7.21	10,891	727	0.9	7.17	0	0	0
	0:31	775	6.5	8,243	570	47	7.19	10,847	723	2.4	7.15	0	0	0
	0:46	767	6.3	11,831	563	49.7	7.19	6,705	664	4.7	7.15	3,324	29.2	7.15
	1:01	784	6.5	8,315	576	49.3	7.18	10,931	730	1.2	7.13	0	0	0
	1:16	782	6.8	8,276	563	49.3	7.16	10,912	725	2.4	7.11	0	0	0
	1:31	765	6.6	11,787	605	50.4	7.15	6,499	659	4.6	7.11	3,503	29.2	7.11
	1:46	777	6.7	8,362	548	48.9	7.14	11,021	735	1.6	7.1	0	0	0
	2:01	0	6	8,262	548	47.9	7.13	10,922	725	2.3	7.08	0	0	0
	2:16	0	5.6	5,428	0	116.7	7.13	5,793	697	3.9	7.08	4	49	7.09

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:31	0	5.6	104	0	57.9	7.13	0	0	0	0	0	50.2	7.09
	3:46	755	6.4	5,054	562	63	7.12	3,433	815	3.9	7.08	3,080	35.6	7.07
	4:01	776	6.6	8,257	536	49.9	7.12	10,864	724	3.6	7.08	0	0	0
	4:16	791	6.9	8,301	575	47.9	7.12	10,841	724	5.9	7.06	0	0	0
	4:31	790	6.7	11,435	772	49.6	7.11	6,075	693	7.4	7.06	4,306	31.4	7.06
	4:46	750	6.8	9,154	542	48.3	7.1	10,472	739	1.9	7.05	746	11.6	7.06
	5:01	781	7.1	8,256	548	47.9	7.09	10,887	724	2.4	7.04	0	0	0
	5:16	0	6.1	10,933	842	49.5	7.1	6,735	699	4.3	7.04	3,771	29.6	7.04
	5:31	0	5.8	5,762	0	49.7	7.1	5,329	709	3.3	7.05	760	9	7.04
	6:31	766	6.4	1,180	538	68.2	7.11	1,551	794	2	7.05	0	0.9	7.04
	6:46	791	6.7	8,364	536	50.5	7.1	10,970	732	1.8	7.04	0	0	0
	7:01	761	6.8	8,528	995	49.3	7.1	10,434	707	4	7.04	140	10.6	7.04
	7:16	793	6.6	11,863	530	50.4	7.1	6,572	711	3.2	7.05	4,120	27.5	7.04
	7:31	735	6.8	8,221	549	48.2	7.1	10,826	722	1.6	7.04	0	0	0
	7:46	781	7.1	8,295	995	47.9	7.1	10,830	723	3.5	7.03	0	0	0
	8:01	766	6.9	12,069	567	49.7	7.1	6,405	683	3.6	7.04	3,950	27.4	7.04
	8:16	0	7	8,249	530	48.1	7.08	10,851	724	1.4	7.03	0	0	0
	8:31	0	5.7	8,242	966	49.3	7.1	10,851	721	3.3	7.04	0	0	0
	8:46	0	5.7	3,540	0	76.9	7.1	1,096	598	4.7	7.04	1,176	41.8	7.04
	10:01	791	6.5	6,115	535	56.5	7.1	5,809	776	2.4	7.04	2,079	36.6	7.05
	10:16	762	6.7	8,205	534	50.8	7.1	10,783	719	3.2	7.04	0	0	0
	10:31	778	6.9	8,207	539	50.6	7.1	10,856	722	5.3	7.04	0	0	0
	10:46	769	6.6	12,205	574	52.9	7.1	5,704	711	6	7.05	5,099	27.3	7.05
	11:01	788	6.9	8,263	556	50.3	7.09	10,884	726	1.2	7.04	0	0	0
	11:16	799	7.1	8,253	554	51.1	7.1	10,833	721	2.8	7.04	0	0	0
	11:31	0	5.7	12,028	0	53.8	7.11	6,074	671	5	7.05	4,304	27.2	7.05
	11:46	0	5.7	305	0	52.1	7.11	398	799	2.7	7.06	0	1.8	7.05
	12:31	768	6.4	4,648	530	58	7.14	6,009	756	1.2	7.08	50	1.3	7.09
	12:46	758	6.7	8,211	551	54.5	7.14	10,787	723	1.6	7.08	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:01	763	6.7	9,514	995	56.9	7.14	8,843	702	3.5	7.09	1,683	43.1	7.09
	13:16	757	6.6	10,657	570	58.9	7.15	8,585	704	2.9	7.1	1,898	17	7.1
	13:31	786	6.9	8,217	564	58.5	7.15	10,839	725	1.4	7.1	0	0	0
	13:46	0	6.3	9,046	994	60.4	7.17	9,630	708	3.3	7.12	993	48.1	7.12
	14:01	0	5.8	7,050	0	66.3	7.18	2,733	634	6	7.14	2,393	20.5	7.13
	14:46	763	6.1	8,506	583	68.6	7.21	4,336	523	4.5	7.16	760	11.1	7.15
	15:01	773	6.2	8,260	557	40.5	7.21	10,928	727	1.5	7.15	0	0	0
	15:16	765	6.4	8,219	543	60.5	7.21	10,852	724	1.3	7.16	0	0	0
	15:31	763	6.3	11,727	596	59.2	7.21	6,886	656	3.5	7.17	3,087	28.8	7.17
	15:46	755	6.4	8,463	559	59.5	7.22	11,035	731	1.4	7.18	0	0	0
	16:01	0	5.8	8,239	562	58.8	7.22	10,851	725	1.3	7.18	0	0	0
	16:16	0	5.8	3,895	0	58.6	7.22	5,056	724	2.6	7.18	111	3.2	7.18
	17:46	755	6.2	1,335	995	86.4	7.29	642	622	7.5	7.2	442	17.8	7.2
	18:01	723	6.1	11,561	570	54.4	7.28	7,067	694	2.8	7.21	3,287	27.4	7.21
	18:16	765	6.3	8,203	549	54.4	7.26	10,878	722	0.7	7.2	0	0	0
	18:31	746	6.5	8,179	995	54.6	7.26	10,885	722	1.8	7.21	0	0	0
	18:46	733	6.2	11,894	534	56.2	7.26	6,902	660	3.1	7.21	3,087	28.9	7.21
	19:01	745	6.5	8,202	554	56.1	7.24	10,875	723	0.7	7.2	0	0	0
	19:16	749	6.8	8,298	995	56.1	7.24	10,863	724	1.8	7.2	0	0	0
	19:31	724	6.5	11,907	549	56.8	7.24	6,967	660	3.3	7.21	3,099	29.1	7.2
	19:46	739	6.8	8,251	548	55.1	7.24	10,851	724	0.7	7.21	0	0	0
	20:01	0	5.7	8,200	535	54	7.24	10,850	724	1.5	7.21	0	0	0
	20:16	0	5.7	3,733	0	65.6	7.25	1,712	626	2.7	7.22	926	24.8	7.22
	21:16	797	6.5	6,896	540	56.3	7.23	7,283	763	1.8	7.2	1,765	21.6	7.21
	21:31	736	6.7	8,139	568	52.3	7.22	10,799	721	2.8	7.19	0	0	0
	21:46	739	7	8,221	548	52.2	7.2	10,814	722	4.9	7.17	0	0	0
	22:01	766	6.7	12,197	561	53.1	7.2	5,764	687	4.9	7.17	4,817	29.1	7.16
	22:16	736	6.9	8,222	536	52.1	7.19	10,857	725	0.8	7.15	0	0	0
	22:31	0	5.7	8,236	540	52.2	7.18	10,837	721	2.1	7.15	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:46	0	5.7	3,709	0	66.3	7.2	2,617	653	3.5	7.15	374	49.9	7.15
	AVERAGES/TOTALS	765	6.40	559,254	622	55.6	7.16	559,466	709	3.0	7.12	74,435	25.7	7.11
	MAXIMUM	799	7.10	12,205	995	116.7	7.29	11,035	815	7.5	7.22	5,301	50.2	7.22
	MINIMUM	723	5.60	104	530	40.5	7.08	398	523	0.7	7.03	4	0.9	7.04
4/6/2021														
	0:16	762	6.5	8,435	525	56.4	7.2	8,855	753	2.4	7.16	2,135	35.9	7.17
	0:31	765	6.8	8,241	542	53.9	7.19	10,803	719	3.8	7.15	0	0	0
	0:46	756	6.9	8,707	995	54.9	7.17	9,163	719	6	7.14	2,239	42.4	7.12
	1:01	778	6.6	12,421	554	54.1	7.17	4,908	759	3.3	7.11	6,308	24.8	7.12
	1:16	771	6.8	8,194	536	53.4	7.15	10,785	719	1.2	7.09	0	0	0
	1:31	755	7.1	8,200	917	54.6	7.15	10,802	719	3	7.11	0	0	0
	1:46	763	6.8	12,038	537	55.4	7.17	6,517	681	4.1	7.12	3,853	28.8	7.12
	2:01	756	7.1	8,196	563	54.7	7.16	10,801	722	1.1	7.11	0	0	0
	2:16	0	5.9	8,172	573	54.6	7.15	10,825	720	3	7.11	0	0	0
	2:31	768	6	4,811	0	59	7.15	2,083	635	4.4	7.11	1,514	26.9	7.11
	2:46	0	5.6	5,393	0	56	7.14	440	615	7.7	7.11	3,214	18.1	7.11
	3:01	0	5.6	50	0	55.4	7.14	0	0	0	0	0	9.4	7.11
	3:46	770	6.4	4,701	542	59.1	7.14	4,162	791	2.1	7.11	1,988	15.6	7.11
	4:01	751	6.7	8,173	530	54.6	7.14	10,725	718	1.8	7.11	0	0	0
	4:16	779	7	8,154	524	54.1	7.14	10,727	717	4	7.11	0	0	0
	4:31	753	6.6	12,158	539	53.4	7.16	5,941	677	5.5	7.12	4,581	28.7	7.11
	4:46	746	6.9	8,187	539	50.8	7.15	10,818	723	1.1	7.1	0	0	0
	5:01	763	7.2	8,205	531	50.6	7.14	10,776	719	2.6	7.09	0	0	0
	5:16	0	5.6	11,980	556	51.4	7.13	6,020	673	5	7.08	4,235	27.9	7.08
	5:31	0	5.8	2,227	0	50.6	7.13	2,933	735	1.3	7.08	0	0.9	7.06
	6:31	771	6.6	6,664	555	55.6	7.13	8,694	740	1.2	7.06	33	0.8	7.08
	6:46	770	6.9	8,221	555	54.2	7.13	10,724	717	2.7	7.07	0	0	0
	7:01	809	6.6	12,026	548	55.5	7.13	6,009	673	5.4	7.08	4,350	28.2	7.08

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:16	756	6.8	8,233	539	54.2	7.12	10,817	724	1.3	7.06	0	0	0
	7:31	788	7.1	8,187	511	53.3	7.11	10,767	718	2.7	7.06	0	0	0
	7:46	774	6.9	11,804	577	54.6	7.11	6,194	648	4.9	7.06	3,671	29.1	7.06
	8:01	773	7	8,530	571	55.1	7.11	10,932	740	1.5	7.05	249	9.8	7.06
	8:16	0	6	8,268	563	54.8	7.11	10,842	721	2.6	7.05	0	0	0
	8:31	0	6.1	3,313	0	55	7.11	4,307	718	4	7.06	0	4.4	7.05
	9:16	753	6.1	10,367	557	61.2	7.12	3,691	668	6	7.07	4,572	26.7	7.06
	9:31	767	6.2	8,151	535	64.1	7.11	10,739	717	1.2	7.06	0	0	0
	9:46	754	6.5	8,125	529	69.7	7.12	10,717	716	3.4	7.07	0	0	0
	10:01	765	6.3	12,139	558	74.6	7.13	5,616	687	6	7.08	4,869	27.9	7.08
	10:16	742	6.4	8,238	535	75.6	7.13	10,838	724	1.7	7.08	0	0	0
	10:31	745	6.8	8,138	551	75.7	7.14	10,756	716	4	7.09	0	0	0
	10:46	773	6.5	11,948	555	76.6	7.14	5,470	679	6.4	7.09	4,937	29.9	7.09
	11:01	763	6.7	8,367	532	74.2	7.14	10,828	734	1.7	7.09	249	9.9	7.09
	11:16	0	6.3	8,153	537	72.9	7.15	10,744	717	3.1	7.1	0	0	0
	11:31	0	6.4	3,326	0	74.5	7.16	4,284	715	5.1	7.1	8	5.6	7.09
	12:16	753	6.1	2,301	995	90.8	7.18	296	603	7.9	7.12	1,389	35.3	7.12
	12:31	737	6.1	11,203	546	72.6	7.18	7,198	701	3.3	7.12	3,161	22.2	7.12
	12:46	750	6.4	8,122	531	71.4	7.18	10,652	712	1.3	7.13	0	0	0
	13:01	762	6.5	8,601	995	72.3	7.18	10,193	698	2.3	7.13	174	43	7.14
	13:16	762	6.3	11,657	551	73	7.19	6,788	715	4	7.15	3,963	26.7	7.15
	13:31	725	6.5	8,208	541	72.5	7.2	10,841	723	1.6	7.15	0	0	0
	13:46	754	6.7	8,306	886	74.4	7.19	10,738	721	2.1	7.14	0	0	0
	14:01	766	6.5	12,092	552	76.2	7.19	6,221	691	4.3	7.15	4,446	26.1	7.15
	14:16	0	5.7	8,246	547	74.5	7.2	10,822	723	1.5	7.16	0	0	0
	14:31	0	5.9	1,931	0	74.9	7.23	2,520	720	1.4	7.2	23	1.4	7.2
	15:16	749	6.4	7,361	995	80.1	7.27	9,101	727	1.8	7.21	71	1.4	7.22
	15:31	766	6.2	11,814	540	79.1	7.25	6,746	675	4.2	7.21	3,198	22.3	7.21
	15:46	757	6.4	8,341	534	77.6	7.23	10,906	727	1.6	7.19	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:01	0	5.7	8,268	995	77.6	7.22	10,954	728	1.8	7.18	0	0	0
	16:16	0	5.7	3,820	0	93.5	7.23	641	499	2.8	7.19	1,616	20.3	7.19
	17:31	763	6.3	2,756	547	95.8	7.26	2,006	804	4	7.21	1,451	18.3	7.22
	17:46	764	6.6	8,049	540	81.6	7.25	10,463	697	1.7	7.21	0	0	0
	18:01	774	6.9	8,025	530	80.5	7.25	10,407	694	2.1	7.21	0	0	0
	18:16	778	6.7	11,041	634	80.4	7.24	6,261	666	2.9	7.21	3,567	29.6	7.21
	18:31	760	6.8	9,231	534	80.5	7.24	9,497	703	2.9	7.2	1,226	12.4	7.21
	18:46	773	7.2	7,987	538	79	7.22	10,378	692	1.6	7.2	0	0	0
	19:01	758	7.1	10,565	964	79.4	7.22	6,990	665	2.1	7.2	2,947	30	7.2
	19:16	752	7.1	9,511	545	78.7	7.23	9,292	688	3.2	7.21	1,200	11.9	7.21
	19:31	0	6.4	8,061	519	77.7	7.23	10,419	697	1.5	7.21	0	0	0
	19:46	0	5.7	8,372	103	84.5	7.24	7,520	668	1.7	7.21	1,203	33	7.21
	20:01	0	5.7	377	0	105.6	7.24	0	0	0	0	0	17.6	7.21
	21:16	762	6.5	8,598	500	85.5	7.22	9,123	714	4.6	7.2	1,819	23	7.21
	21:31	795	6.8	8,066	516	79.2	7.21	10,385	691	2.7	7.19	0	0	0
	21:46	778	6.9	8,760	995	80.1	7.2	9,431	674	4.5	7.17	644	47.6	7.17
	22:01	782	6.8	11,504	528	82.9	7.2	5,687	729	3.6	7.17	5,025	24.6	7.17
	22:16	760	7.1	8,007	522	80.3	7.18	10,353	689	2.3	7.15	0	0	0
	22:31	766	7.3	8,276	995	81.5	7.18	10,093	675	3.7	7.15	0	0	0
	22:46	776	7.1	11,906	536	83.9	7.18	5,085	722	3.9	7.15	5,425	26.2	7.15
	23:01	0	7.1	8,024	531	82.6	7.17	10,344	689	2.2	7.14	0	0	0
	23:16	0	5.8	8,036	993	84.1	7.17	10,346	689	3.6	7.14	0	0	0
	23:31	0	5.7	4,571	0	91	7.17	454	452	4.9	7.14	2,199	24.5	7.14
AVERAGES/TOTALS		764	6.49	608,835	609	69.5	7.17	590,204	699	3.1	7.13	97,752	22.1	7.14
MAXIMUM		809	7.30	12,421	995	105.6	7.27	10,954	804	7.9	7.21	6,308	47.6	7.22
MINIMUM		725	5.60	50	103	50.6	7.11	296	452	1.1	7.05	8	0.8	7.05
4/7/2021														
	0:46	775	6.6	6,950	554	89.2	7.14	7,020	722	2.8	7.12	1,830	19.4	7.13

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:01	782	6.9	7,952	534	88	7.15	10,325	687	3.7	7.12	0	0	0
	1:16	784	7.1	8,133	995	89.6	7.15	10,203	681	5.8	7.12	0	0	0
	1:31	761	6.9	12,186	538	92.9	7.14	4,818	713	4.2	7.09	5,723	27.2	7.1
	1:46	771	7.2	7,957	540	92	7.12	10,286	688	2.7	7.08	0	0	0
	2:01	782	7.5	7,954	995	94.1	7.12	10,322	687	4.6	7.09	0	0	0
	2:16	766	7.3	12,194	533	96.7	7.14	4,823	690	4.9	7.1	5,511	26.6	7.1
	2:31	0	7.2	7,981	544	97	7.14	10,345	691	2.7	7.1	0	0	0
	2:46	0	6	7,956	892	98.7	7.14	10,305	687	4.8	7.09	0	0	0
	3:01	0	5.7	5,567	0	104.6	7.14	1,466	592	6.2	7.09	2,307	34.1	7.09
	4:16	787	6.6	7,865	505	102	7.12	7,960	719	3.3	7.09	2,148	35.4	7.09
	4:31	786	6.9	7,908	525	102.7	7.13	10,278	687	4.6	7.1	0	0	0
	4:46	781	7	8,853	995	104.4	7.14	9,055	669	6.8	7.11	940	48.2	7.11
	5:01	784	6.9	11,379	564	106.4	7.14	5,790	727	3.8	7.1	4,921	23.6	7.11
	5:16	804	7.2	7,935	520	107.5	7.13	10,289	685	3.5	7.08	0	0	0
	5:31	0	7.2	8,331	995	109.2	7.12	9,938	671	5.6	7.07	164	37	7.07
	5:46	0	5.7	11,802	102	111.6	7.13	5,094	729	4	7.09	5,566	26.2	7.08
	6:01	0	5.8	954	0	111.4	7.13	1,183	684	2.5	7.09	49	2.5	7.08
	6:46	760	6.5	3,949	540	117.2	7.16	5,053	718	3.2	7.1	70	2.6	7.11
	7:01	764	6.8	7,943	532	114.1	7.15	10,275	686	4.4	7.11	0	0	0
	7:16	780	6.6	11,831	581	117.6	7.16	4,931	659	6.5	7.11	4,963	27.6	7.12
	7:31	786	6.8	8,329	521	120.2	7.16	10,059	706	3.2	7.13	662	14.7	7.13
	7:46	742	7.2	7,897	543	123.6	7.17	10,256	686	4.9	7.13	0	0	0
	8:01	775	7	11,682	773	125.5	7.18	5,083	654	6.8	7.13	4,722	29	7.13
	8:16	760	7.2	8,536	536	126.2	7.16	9,814	711	3.6	7.13	1,106	13.9	7.13
	8:31	764	7.5	7,923	528	128	7.16	10,210	686	5	7.12	0	0	0
	8:46	0	5.7	11,218	759	129.2	7.16	5,578	657	6.9	7.11	4,246	30.1	7.12
	9:01	0	5.7	2,774	0	130.4	7.16	1,367	775	7.3	7.13	1,501	12.4	7.13
	10:01	770	6.7	7,564	514	130.8	7.16	9,828	702	3	7.12	33	3.5	7.13
	10:16	746	7	7,870	546	131.6	7.16	10,238	683	4.6	7.13	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:31	785	6.8	11,795	617	134.7	7.16	5,418	658	6.6	7.13	4,447	27.3	7.13
	10:46	767	7	8,317	537	137.6	7.18	9,881	704	3.4	7.16	880	13.5	7.15
	11:01	766	7.4	7,906	517	141.3	7.19	10,208	684	4.6	7.17	0	0	0
	11:16	808	7.2	11,549	732	143.6	7.21	5,191	652	6.4	7.18	4,535	27.9	7.18
	11:31	773	7.4	8,573	542	145.9	7.21	9,765	709	4	7.18	1,134	14.5	7.18
	11:46	0	7.5	3,887	0	157.4	7.21	4,980	686	4.2	7.18	58	10.3	7.18
	12:01	772	7	5,964	543	115.2	7.23	5,346	738	4.5	7.2	2,265	16.2	7.19
	12:16	781	6.8	11,899	567	56	7.23	5,063	652	5.3	7.2	4,896	27.6	7.21
	12:31	719	7	8,167	527	53.9	7.24	10,307	701	2	7.22	237	8.7	7.22
	12:46	751	6.6	7,772	745	55.6	7.25	9,805	688	3.1	7.23	222	7.3	7.24
	13:01	765	6.5	12,474	646	54.7	7.27	4,288	644	5.8	7.25	6,122	25.5	7.25
	13:16	0	6.5	8,215	517	59.1	7.28	9,760	704	2.2	7.27	931	12.4	7.27
	13:31	0	5.8	7,570	0	60.2	7.29	9,886	683	2.9	7.28	0	4.1	7.29
	14:46	777	6.4	5,869	995	48	7.34	5,235	699	4.9	7.32	1,344	13.2	7.31
	15:01	776	6.2	11,498	544	49.2	7.34	1,443	148	3.8	7.34	3,264	26.2	7.32
	15:16	787	6.3	7,035	562	54	7.36	6,797	516	1.7	7.36	48	2.1	7.35
	15:31	788	6.6	7,915	941	55.3	7.37	10,201	684	2.7	7.38	0	0	0
	15:46	762	6.3	12,013	531	58	7.39	5,647	650	4.6	7.4	4,278	27.1	7.39
	16:01	772	6.6	7,939	521	58.6	7.39	10,288	685	1.7	7.39	0	0	0
	16:16	0	6.8	7,916	513	59.5	7.39	10,201	684	3.4	7.38	0	0	0
	16:31	0	5.7	9,888	0	59.7	7.39	3,632	605	6	7.37	3,680	29.4	7.37
	17:46	754	6.7	7,791	514	46	7.37	10,073	697	1.8	7.38	0	5.7	7.38
	18:01	765	7	7,925	560	51.2	7.37	10,173	682	2	7.37	0	0	0
	18:16	743	6.9	11,397	741	55.5	7.37	5,997	633	4.5	7.37	3,604	28.7	7.37
	18:31	772	7	8,491	544	60.2	7.37	9,887	695	2.4	7.37	709	11.6	7.37
	18:46	734	7.4	7,902	526	69.6	7.37	10,237	683	3.6	7.37	0	0	0
	19:01	0	6.3	10,981	659	67.1	7.38	5,859	656	6.5	7.39	3,887	32.4	7.39
	19:16	0	5.7	6,934	0	59.5	7.39	6,604	713	2.9	7.39	1,339	11.1	7.39
	20:16	744	6.6	5,948	537	45	7.37	7,706	702	1.8	7.38	13	1.4	7.39

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:31	775	6.9	7,930	512	47.7	7.37	10,228	682	3.2	7.37	0	0	0
	20:46	782	6.7	11,989	566	49.6	7.36	5,708	648	4.9	7.35	4,200	27.4	7.35
	21:01	764	7	7,916	537	52.1	7.35	10,259	682	1.6	7.34	0	0	0
	21:16	765	7.3	7,956	532	55.6	7.34	10,194	682	3.5	7.32	0	0	0
	21:31	767	7.1	12,140	533	57.8	7.34	5,255	673	5.4	7.32	4,848	26.7	7.32
	21:46	757	7.4	7,884	546	62.1	7.32	10,261	682	2.1	7.31	0	0	0
	22:01	0	6.2	7,834	522	65.1	7.32	10,184	678	5.3	7.3	0	0	0
	22:16	0	5.7	7,137	0	63.6	7.31	2,997	628	7.2	7.3	2,650	31.8	7.3
	23:16	782	6.5	3,924	506	53.4	7.31	2,669	770	3.3	7.31	2,233	25.8	7.31
	23:31	784	6.8	7,848	538	48.5	7.31	10,186	678	2.4	7.31	0	0	0
	23:46	781	7.2	7,912	538	53	7.32	10,105	678	4.8	7.32	0	0	0
	AVERAGES/TOTALS	770	6.73	589,373	600	87.3	7.24	540,116	675	4.1	7.22	108,286	20.2	7.22
	MAXIMUM	808	7.50	12,474	995	157.4	7.39	10,345	775	7.3	7.40	6,122	48.2	7.39
	MINIMUM	719	5.70	954	102	45.0	7.12	1,183	148	1.6	7.07	13	1.4	7.07
4/8/2021														
	0:01	765	6.9	11,968	562	53.5	7.33	4,858	651	6.6	7.32	5,198	27.6	7.32
	0:16	750	7.2	8,073	523	57.5	7.33	10,413	696	2.1	7.32	0	0	0
	0:31	743	7.5	7,867	525	63.9	7.34	10,208	680	4.2	7.32	0	0	0
	0:46	0	6.1	11,791	614	62.4	7.33	5,038	647	6.8	7.32	4,599	29	7.31
	1:01	0	5.8	3,938	0	59.6	7.33	0	0	2.5	7.3	25	8.5	7.3
	1:31	756	6.4	2,058	576	59.6	7.32	2,672	775	2.8	7.3	0	1.6	7.3
	1:46	760	6.8	8,063	535	50.5	7.31	10,532	703	3.1	7.29	0	0	0
	2:01	754	6.8	9,536	995	51	7.29	8,484	680	5.7	7.26	1,734	46.8	7.24
	2:16	752	6.8	10,682	510	52.2	7.27	7,086	710	3.1	7.23	3,677	16.8	7.23
	2:31	758	7.1	7,858	521	58.9	7.25	10,227	682	3.2	7.21	0	0	0
	2:46	787	7.2	8,894	995	61.7	7.24	8,863	662	6.4	7.2	1,111	49.2	7.2
	3:01	760	7.1	11,185	511	59.9	7.24	6,097	720	3.2	7.2	4,536	22.2	7.2
	3:16	767	7.5	7,965	530	59.6	7.23	10,203	680	3.7	7.18	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:31	0	6.8	8,444	995	60.5	7.22	9,458	661	6.7	7.18	457	45.1	7.17
	3:46	0	5.7	10,556	0	59.9	7.21	4,050	731	3.9	7.18	5,246	25.6	7.18
	4:31	745	6.6	4,800	537	57.4	7.21	6,171	706	2.2	7.17	22	1.6	7.18
	4:46	789	7	7,868	515	55.4	7.2	10,152	678	4.1	7.16	0	0	0
	5:01	738	6.8	11,258	740	57.2	7.2	5,479	650	6.1	7.16	4,323	29.9	7.15
	5:16	758	7	8,808	511	57.8	7.19	9,653	702	2.9	7.14	1,045	12.3	7.15
	5:31	768	7.3	7,845	555	57.7	7.18	10,126	677	3.8	7.13	0	0	0
	5:46	757	7.3	10,830	830	58.2	7.16	6,003	651	5.7	7.11	3,752	32.5	7.11
	6:01	775	7.4	9,240	530	59.9	7.16	9,112	701	3	7.11	1,567	12.1	7.11
	6:16	753	7.8	7,882	523	58.9	7.15	10,156	678	3.7	7.09	0	0	0
	6:31	0	6.2	10,326	995	58	7.14	6,673	653	5.6	7.08	3,134	35.7	7.08
	6:46	0	5.7	6,823	0	58.2	7.13	4,900	717	3.9	7.09	2,109	12.4	7.08
	7:31	764	6.5	3,000	547	62.1	7.13	3,817	722	2.1	7.08	56	1.6	7.08
	7:46	773	6.9	8,051	527	57.8	7.12	10,408	694	3.3	7.08	0	0	0
	8:01	739	6.8	10,120	995	59	7.13	7,618	677	5.8	7.08	2,476	39	7.08
	8:16	760	6.8	10,247	530	59.3	7.13	8,187	729	3.3	7.09	2,800	14.4	7.09
	8:31	773	7.1	8,012	524	59.5	7.13	10,473	695	3.5	7.08	0	0	0
	8:46	791	7.2	9,554	995	59.5	7.13	8,262	674	5.6	7.08	1,879	46.4	7.08
	9:01	771	7.1	10,641	524	60	7.13	7,545	718	3.4	7.08	3,407	15.9	7.08
	9:16	0	7	7,928	529	61.3	7.12	10,354	691	3.3	7.08	0	0	0
	9:31	0	6.4	6,206	0	61.9	7.13	8,088	689	5.6	7.08	3	6.5	7.08
	10:16	775	6.1	6,760	653	67.2	7.14	423	565	8.5	7.11	3,880	28.2	7.1
	10:31	759	6.4	8,923	493	63.2	7.13	8,878	671	2.9	7.1	1,373	11.8	7.11
	10:46	782	6.6	7,923	521	61.6	7.13	10,362	691	3.6	7.1	0	0	0
	11:01	769	6.6	10,459	995	64.7	7.14	6,794	664	5.4	7.1	3,292	34	7.1
	11:16	780	6.6	9,672	505	66.8	7.14	9,031	710	3.4	7.11	1,813	12.1	7.11
	11:31	744	6.9	7,892	521	70.4	7.14	10,384	692	3.4	7.12	0	0	0
	11:46	766	7	9,992	995	74.1	7.16	7,468	667	5.7	7.14	2,595	39.9	7.14
	12:01	748	7	10,122	524	74.9	7.17	8,071	722	3.3	7.16	2,877	14.3	7.16

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:16	0	6.2	7,980	531	75.2	7.2	10,454	698	3.4	7.19	0	0	0
	12:31	0	5.9	5,770	0	76.1	7.21	7,522	700	5.8	7.19	0	6.6	7.19
	13:31	652	6.1	5,849	984	78.6	7.22	150	528	7.7	7.21	3,586	28	7.21
	13:46	671	6.2	9,507	561	73.4	7.21	9,334	687	3.6	7.2	1,164	12.2	7.2
	14:01	673	6.4	8,003	538	75.7	7.21	10,431	697	2.9	7.2	0	0	0
	14:16	671	6.4	10,047	995	80	7.21	7,446	673	4.8	7.2	2,782	37.5	7.19
	14:31	689	6.3	10,127	530	83.3	7.21	8,781	717	3.6	7.2	2,128	13.8	7.2
	14:46	669	6.6	8,044	550	85.5	7.22	10,489	701	3.1	7.21	0	0	0
	15:01	642	6.6	9,678	995	87.1	7.23	8,102	677	5.3	7.23	1,826	44.6	7.23
	15:16	680	6.5	10,270	543	87.5	7.24	7,358	670	3.5	7.25	2,646	14.6	7.25
	15:31	0	6	7,097	0	86.8	7.25	9,286	702	2.7	7.25	3	3.7	7.25
	16:46	670	6.4	4,467	526	87.8	7.27	3,212	799	5.8	7.28	2,566	12.2	7.27
	17:01	658	6.2	11,527	777	78.6	7.26	6,178	653	4.5	7.28	3,850	30	7.28
	17:16	695	6.3	8,614	535	86.9	7.27	10,453	718	2.7	7.28	498	11	7.28
	17:31	705	6.6	8,034	535	88.6	7.27	10,506	703	2.9	7.28	0	0	0
	17:46	629	6.4	11,043	620	90.6	7.27	6,226	671	5.1	7.28	4,048	30.7	7.28
	18:01	670	6.5	9,098	518	94	7.28	9,764	723	3.2	7.29	1,308	11.3	7.29
	18:16	655	6.7	8,018	551	96.1	7.28	10,532	704	3.8	7.3	0	0	0
	18:31	672	6.7	10,611	995	97.6	7.29	6,670	677	6.4	7.31	3,562	35.6	7.31
	18:46	677	6.7	9,648	569	99.5	7.3	8,758	732	3.4	7.31	2,431	12.2	7.31
	19:01	0	6.5	8,017	510	100.7	7.29	10,514	702	4.4	7.29	0	0	0
	19:16	0	5.6	8,570	98	99	7.29	7,348	677	7	7.3	1,727	41.9	7.3
	19:31	0	5.6	335	0	96.8	7.29	0	0	0	0	0	19.1	7.3
	20:46	667	6.6	8,352	523	89.8	7.24	8,406	733	3.3	7.27	2,371	22.7	7.28
	21:01	684	6.8	8,003	496	90.1	7.24	10,481	696	5.2	7.25	0	0	0
	21:16	697	7	8,616	995	91.2	7.23	9,673	682	7.7	7.23	526	46.4	7.21
	21:31	665	6.7	11,762	553	92.2	7.21	5,506	758	3.8	7.2	5,828	27.3	7.21
	21:46	672	7	7,971	544	97.5	7.2	10,433	696	3.3	7.19	0	0	0
	22:01	0	7	8,153	995	100.1	7.2	10,269	686	6.4	7.19	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:16	0	5.7	11,689	0	99	7.19	4,149	745	4.5	7.19	6,335	27.6	7.19
	23:16	692	6.6	5,973	528	101.8	7.17	7,498	683	2.8	7.16	97	2.2	7.17
	23:31	692	7	7,810	512	100.1	7.17	9,895	662	5	7.17	0	0	0
	23:46	654	6.8	11,637	771	92.8	7.17	5,115	653	6.2	7.16	3,677	27.7	7.16
	AVERAGES/TOTALS	724	6.65	640,380	640	73.2	7.21	583,716	690	4.3	7.19	121,945	22.9	7.19
	MAXIMUM	791	7.80	11,968	995	101.8	7.34	10,532	799	8.5	7.32	6,335	49.2	7.32
	MINIMUM	629	5.60	335	98	50.5	7.12	150	528	2.1	7.08	3	1.6	7.08
4/9/2021														
	0:01	667	6.9	8,264	507	110.3	7.17	9,932	695	1.9	7.15	727	26.3	7.16
	0:16	670	7.3	7,786	512	62.3	7.17	10,122	676	4	7.14	0	0	0
	0:31	678	7.1	11,729	580	63.5	7.17	5,293	652	6.3	7.14	4,600	29.5	7.14
	0:46	668	7.2	8,313	508	65.2	7.17	9,745	697	2.3	7.14	979	13	7.14
	1:01	0	6.5	7,786	537	64.6	7.16	10,123	675	4.4	7.12	0	0	0
	1:16	0	5.6	8,775	0	63.4	7.16	5,025	642	6.4	7.11	2,788	31.9	7.11
	1:31	0	5.6	42	0	62.9	7.16	0	0	0	0	0	15.7	7.11
	2:16	677	6.4	3,314	495	67.7	7.13	2,025	814	4.2	7.11	2,205	20.3	7.11
	2:31	676	6.7	7,826	510	59.8	7.12	10,124	676	2.7	7.1	0	0	0
	2:46	686	7	7,797	525	61.5	7.13	10,113	674	5.7	7.09	0	0	0
	3:01	671	6.8	11,776	639	60.9	7.13	4,947	655	7.6	7.08	5,007	30.9	7.07
	3:16	649	7	8,315	550	60.9	7.12	9,794	698	2.4	7.07	965	14.8	7.08
	3:31	661	7.3	7,764	500	60.1	7.11	10,106	674	4	7.05	0	0	0
	3:46	0	5.9	11,543	763	60.1	7.1	5,142	641	5.8	7.04	4,699	29.5	7.06
	4:01	0	5.7	4,316	0	60.8	7.11	4,165	734	3.5	7.06	1,218	12.2	7.06
	4:46	685	6.6	4,647	540	64.4	7.1	5,961	706	1.8	7.06	13	1.5	7.06
	5:01	694	6.9	7,794	520	60.2	7.1	10,081	673	3.7	7.06	0	0	0
	5:16	674	6.7	11,402	729	59.3	7.11	5,116	638	5.9	7.06	4,708	30.6	7.06
	5:31	675	6.8	8,595	506	58.1	7.11	9,452	704	2.7	7.07	1,359	13	7.07
	5:46	662	7.1	7,792	527	57.1	7.11	10,093	674	3.6	7.06	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:01	0	6.1	10,952	682	55.9	7.11	5,801	645	5.4	7.06	4,027	33.1	7.06
	6:16	0	5.7	5,605	0	55.8	7.11	4,366	731	3.5	7.06	2,017	12.2	7.06
	7:01	672	6.7	6,401	519	58.4	7.1	8,200	696	2	7.05	64	1.5	7.06
	7:16	681	7	7,780	514	56.2	7.1	10,138	674	4.2	7.04	0	0	0
	7:31	685	6.6	12,162	524	55.5	7.1	2,771	415	6.1	7.05	994	27.3	7.05
	7:46	652	7.2	5,751	535	56.2	7.1	4,596	506	2.7	7.06	620	2.8	7.06
	8:01	680	7.5	8,201	545	55.5	7.1	10,362	692	3.8	7.06	0	0	0
	8:16	0	6.7	10,462	995	54.8	7.1	7,002	669	6.1	7.05	3,248	39.8	7.04
	8:31	0	5.7	9,281	0	55.3	7.1	7,007	739	3	7.05	3,049	15	7.05
	9:16	669	6.6	5,670	542	57.8	7.1	7,194	723	2.8	7.05	4	2	7.05
	9:31	660	6.8	8,139	552	55.8	7.1	10,388	689	4.9	7.05	0	0	0
	9:46	657	6.4	12,473	544	54.4	7.11	4,799	714	5.9	7.07	6,402	28	7.06
	10:01	652	6.6	8,213	530	55.3	7.12	10,368	691	2.3	7.08	0	0	0
	10:16	675	6.9	8,137	547	55	7.13	10,315	689	4.6	7.08	0	0	0
	10:31	666	6.5	12,605	551	55	7.13	4,521	706	6.3	7.08	6,762	27.4	7.09
	10:46	648	6.7	8,221	556	57.2	7.14	10,445	696	3.5	7.1	0	0	0
	11:01	0	6.6	8,090	548	62.4	7.17	10,327	689	6.3	7.13	0	0	0
	11:16	0	5.6	8,848	0	61.6	7.19	3,318	635	8.1	7.15	4,065	30.8	7.16
	12:16	696	6.4	4,786	520	56.8	7.23	3,733	784	4.3	7.2	2,206	18	7.21
	12:31	669	6.7	8,112	558	52.6	7.24	10,300	686	3.6	7.21	0	0	0
	12:46	689	6.9	8,075	556	55.6	7.26	10,277	686	5.8	7.24	0	0	0
	13:01	665	6.4	13,170	995	53.6	7.28	3,033	665	7.2	7.25	8,273	23.6	7.26
	13:16	664	6	11,917	576	57.2	7.29	1,029	128	4.7	7.27	3,412	13.5	7.26
	13:31	658	6.2	8,894	594	67	7.3	0	0	4.7	7.28	0	0	0
	13:46	669	6.2	9,686	995	85.5	7.3	0	0	8.2	7.27	0	19.1	7.26
	14:01	715	5.8	12,524	995	93.7	7.3	0	0	5.2	7.28	0	34.7	7.27
	14:16	851	5.5	12,856	664	71.6	7.31	0	0	4.7	7.29	0	20.9	7.28
	14:31	849	6	9,430	0	62.7	7.32	0	0	6.9	7.29	0	8.2	7.3
	14:46	816	6.8	1,995	995	62	7.34	1,005	769	7.7	7.31	1,611	11.1	7.31

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:01	839	6.7	12,456	593	55.4	7.35	5,253	778	3.6	7.33	5,628	24.8	7.32
	15:16	855	6.9	8,561	569	53.9	7.36	11,176	744	3	7.33	0	0	0
	15:31	841	7.2	8,578	995	47.5	7.36	11,141	743	5.7	7.34	0	0	0
	15:46	877	7	12,391	559	43	7.36	6,557	713	4.9	7.34	4,228	27.2	7.34
	16:01	864	7.2	8,624	565	42.4	7.36	11,151	745	2.2	7.34	0	0	0
	16:16	830	7.6	8,639	603	41.7	7.36	11,152	744	4.2	7.33	0	0	0
	16:31	860	7.3	12,262	570	40.4	7.35	7,035	705	5	7.33	3,462	27.4	7.33
	16:46	866	7.6	8,677	578	40.8	7.35	11,229	747	1.9	7.32	0	0	0
	17:01	858	7.9	8,614	574	39.7	7.33	11,185	745	3.7	7.31	0	0	0
	17:16	857	7.7	12,095	604	39.4	7.33	6,923	692	5.2	7.31	3,412	27.9	7.3
	17:31	873	8	8,684	572	45.1	7.32	11,211	747	2.2	7.3	0	0	0
	17:46	0	7.7	8,567	574	43.3	7.32	11,175	745	4.5	7.3	0	0	0
	18:01	0	5.8	12,183	563	36.2	7.32	6,878	695	5.7	7.3	3,579	27.1	7.3
	18:16	0	5.8	3,737	0	27.5	7.32	4,884	750	1.3	7.3	0	1.2	7.29
	19:01	836	6.6	5,120	567	24.7	7.32	6,569	778	1.3	7.31	0	1	7.31
	19:16	847	6.9	8,572	555	33.6	7.32	11,155	743	2.2	7.31	0	0	0
	19:31	837	6.8	12,120	602	39.7	7.32	6,878	686	5.1	7.3	3,449	26.5	7.3
	19:46	823	7	8,687	570	46.7	7.32	11,179	748	2.2	7.3	0	0	0
	20:01	809	7.4	8,587	558	54.8	7.32	11,164	744	5.5	7.31	0	0	0
	20:16	0	5.5	12,160	629	50.6	7.32	5,652	710	7.6	7.32	4,868	26.8	7.32
	20:31	0	5.7	1,694	0	46.7	7.32	1,682	850	4.5	7.32	498	8.4	7.31
	21:16	823	6.4	2,304	581	45	7.3	2,976	808	2.1	7.3	0	2.2	7.3
	21:31	826	6.8	8,620	589	40.4	7.29	11,216	748	2.6	7.29	0	0	0
	21:46	827	7.1	8,589	995	47.1	7.3	11,136	742	5.4	7.28	0	0	0
	22:01	817	6.9	12,507	575	49.3	7.29	5,598	748	5.2	7.27	5,455	25.6	7.27
	22:16	820	7.2	8,597	572	53.2	7.28	11,116	743	4.1	7.25	0	0	0
	22:31	0	6.2	8,554	921	57.4	7.26	11,151	743	7.7	7.23	0	0	0
	22:46	0	5.6	6,987	0	55.6	7.26	1,317	637	9.5	7.23	3,747	27.7	7.23
	23:31	841	6.3	904	674	66.6	7.25	0	0	0	0	1,133	15.2	7.25

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:46	840	6.7	9,166	560	47.6	7.24	10,755	772	3.7	7.23	995	15	7.25
	AVERAGES/TOTALS	744	6.65	671,248	615	55.4	7.22	555,148	697	4.5	7.19	116,476	19.6	7.18
	MAXIMUM	877	8.00	13,170	995	110.3	7.36	11,229	850	9.5	7.34	8,273	39.8	7.34
	MINIMUM	648	5.50	42	495	24.7	7.10	1,005	128	1.3	7.04	4	1.0	7.04
4/10/2021														
	0:01	827	7.1	8,548	558	51.6	7.26	11,089	740	6.6	7.23	0	0	0
	0:16	810	7	11,250	721	52.3	7.26	6,566	717	8.7	7.23	3,990	33.7	7.23
	0:31	825	7.1	9,964	592	54.6	7.26	9,449	775	4	7.23	2,277	12.9	7.23
	0:46	0	6.4	8,608	561	58.6	7.25	11,059	740	6.3	7.22	0	0	0
	1:01	0	6.3	4,022	0	58.6	7.25	5,179	739	8.7	7.22	32	9.3	7.22
	2:01	827	6.3	2,315	995	64.9	7.25	0	393	9.7	7.24	2,513	19.9	7.23
	2:16	842	6.2	12,384	551	51.4	7.25	5,255	806	4.5	7.23	6,282	25.5	7.22
	2:31	835	6.5	8,592	559	57.6	7.25	11,139	741	4.9	7.24	0	0	0
	2:46	839	6.7	9,444	995	63.1	7.26	9,079	740	8.5	7.24	2,283	36.1	7.25
	3:01	792	6.5	12,105	567	62.3	7.27	5,448	807	4.3	7.27	6,119	24.8	7.25
	3:16	816	6.8	8,590	565	64.8	7.28	11,088	740	5.9	7.26	0	0	0
	3:31	832	6.7	12,466	621	68.4	7.28	3,494	740	9.1	7.25	7,641	24.8	7.25
	3:46	813	6.9	8,890	585	68.3	7.28	11,440	764	5.1	7.27	0	7.7	7.26
	4:01	0	5.9	10,596	995	68.2	7.28	5,735	741	8.7	7.27	6,523	29.7	7.26
	4:16	0	5.7	4,794	0	68.5	7.28	0	0	0	0	3,167	24.4	7.26
	4:31	842	6.3	918	680	74.2	7.28	0	0	0	0	1,161	12.2	7.27
	4:46	813	6.7	9,098	578	61.7	7.28	10,714	769	4.6	7.27	995	15	7.27
	5:01	820	7	8,554	798	63	7.28	11,095	738	8.2	7.26	0	0	0
	5:16	817	6.7	13,375	697	62.4	7.28	572	770	9.6	7.26	11,704	25.9	7.26
	5:31	854	6.9	9,105	546	62.5	7.28	10,496	766	4.1	7.27	1,244	14	7.27
	5:46	0	7.2	8,582	995	65	7.28	11,094	738	7.4	7.26	0	0	0
	6:01	0	5.7	12,265	0	65	7.27	4,273	762	5.7	7.24	6,526	26.5	7.24
	6:46	813	6.4	2,493	578	65.8	7.24	3,186	803	3.3	7.22	32	2.8	7.22

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:01	814	6.7	8,686	968	61.4	7.23	10,988	739	5.2	7.21	0	0	0
	7:16	838	6.5	12,551	554	64.2	7.23	4,988	765	4.7	7.2	6,261	25.8	7.2
	7:31	809	6.9	8,568	583	64.3	7.22	11,084	740	5.2	7.19	0	0	0
	7:46	802	7.1	9,051	995	66.6	7.21	9,442	739	8.6	7.18	2,239	31.6	7.17
	8:01	813	6.9	12,915	601	67.9	7.2	3,739	828	4.8	7.17	7,917	25.2	7.17
	8:16	0	7.1	8,586	563	69.7	7.2	11,084	739	5.4	7.16	0	0	0
	8:31	0	5.7	9,550	995	69.6	7.18	7,538	737	8.9	7.15	4,723	25.4	7.15
	8:46	0	5.6	3,811	0	68.8	7.18	0	0	0	0	2,984	31.6	7.14
	9:31	816	6.6	8,580	569	69.6	7.16	7,979	780	5.6	7.14	3,006	30.2	7.15
	9:46	821	6.6	10,058	771	94.6	7.16	6,049	737	8.2	7.13	6,716	25.6	7.12
	10:01	819	5.7	13,395	0	183.2	7.16	0	0	0	0	12,549	40.2	7.11
	10:16	848	6	104	157	196.6	7.15	0	0	0	0	32	38.1	7.11
	10:31	809	5.8	11,981	995	145.9	7.15	0	0	0	0	10,123	33.1	7.12
	10:46	838	5.9	8,593	640	124.9	7.15	116	432	7.6	7.11	5,648	26	7.11
	11:01	803	6	11,508	995	125.4	7.15	6,190	748	8	7.11	4,576	34.8	7.11
	11:16	810	6	9,961	575	106.9	7.16	8,391	750	5.7	7.12	2,998	18.8	7.11
	11:31	856	6	11,619	773	90.2	7.18	5,517	688	8.3	7.13	4,561	33.4	7.13
	11:46	803	6.4	9,387	542	78.7	7.19	9,444	744	3.6	7.14	1,951	13.3	7.14
	12:01	816	6.6	8,382	567	72.3	7.21	10,803	714	6.5	7.16	0	0	0
	12:16	757	6.5	12,212	798	70.8	7.21	3,564	714	9.4	7.16	7,211	28.9	7.16
	12:31	822	6.6	9,288	591	66.2	7.2	9,980	741	3.3	7.15	1,356	11.7	7.16
	12:46	804	7	8,488	557	61	7.19	10,716	717	5.5	7.14	0	0	0
	13:01	804	7.1	11,245	693	59.4	7.19	6,243	692	8.4	7.14	3,859	31.2	7.13
	13:16	805	7.1	9,560	592	55.7	7.18	9,864	731	2.8	7.14	1,191	11.3	7.14
	13:31	794	7.6	8,435	580	52	7.18	10,668	713	3.8	7.12	0	0	0
	13:46	0	6.4	10,800	959	49.3	7.18	7,021	691	6.1	7.12	3,167	30.5	7.12
	14:01	0	5.8	7,386	0	38.4	7.18	7,375	687	2.9	7.13	167	7.4	7.13
	14:16	820	6.5	3,125	566	32.1	7.18	3,898	752	1.2	7.15	0	0.6	7.15
	14:31	777	6.8	8,457	567	40.5	7.18	10,707	714	1.6	7.14	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:46	770	6.3	10,962	995	47.5	7.18	7,015	686	4.2	7.13	3,110	27.7	7.13
	15:01	748	6.5	9,457	577	49.8	7.18	10,466	696	2.5	7.14	0	0	0
	15:16	0	5.5	8,387	581	53.4	7.18	10,699	714	2.5	7.13	0	0	0
	15:31	0	5.7	1,408	0	54.4	7.18	1,775	711	4	7.13	0	4.3	7.13
	16:46	770	6.1	10,010	984	52.9	7.18	3,830	726	5.4	7.17	5,491	24.8	7.16
	17:01	770	6.1	9,911	544	49.6	7.18	9,970	698	2.5	7.17	489	13.9	7.17
	17:16	772	6.4	8,477	556	48.5	7.2	10,753	714	1.9	7.18	0	0	0
	17:31	794	6.4	10,171	993	47.8	7.2	7,925	691	3.8	7.19	2,285	36.4	7.19
	17:46	750	6.4	10,289	582	47.9	7.21	9,299	692	2.6	7.2	944	12.9	7.19
	18:01	767	6.7	8,395	564	45.5	7.21	10,714	717	1.5	7.2	0	0	0
	18:16	0	5.7	9,712	995	45.5	7.23	8,666	693	3.3	7.21	1,621	41.5	7.21
	18:31	0	5.7	3,434	0	45.1	7.23	877	593	7.1	7.22	1,118	10.6	7.22
	19:31	795	6.4	2,896	546	50.3	7.23	2,394	803	3	7.24	1,225	10.8	7.24
	19:46	791	6.7	8,467	560	40.4	7.22	10,757	718	0.9	7.23	0	0	0
	20:01	778	6.9	8,465	562	41.6	7.22	10,633	712	2.4	7.21	0	0	0
	20:16	786	6.7	11,939	573	42.3	7.2	6,900	650	4.7	7.19	2,952	29.1	7.19
	20:31	775	6.9	8,435	551	41.5	7.2	10,745	719	0.9	7.19	0	0	0
	20:46	0	6.2	8,445	544	41.4	7.2	10,778	716	1.8	7.19	0	0	0
	21:01	0	5.7	7,208	0	41.3	7.21	4,767	678	3.1	7.19	1,625	18.2	7.2
	22:16	770	6.5	8,671	559	42.4	7.22	9,323	745	1.4	7.22	1,597	12.9	7.22
	22:31	786	6.8	8,412	569	42.3	7.22	10,718	716	2.3	7.21	0	0	0
	22:46	786	6.9	9,117	995	42.7	7.22	9,760	697	4.1	7.21	661	47.6	7.21
	23:01	752	6.8	11,300	555	44	7.23	7,770	688	2.9	7.21	2,424	24.4	7.21
	23:16	0	6.6	8,402	571	44	7.22	10,742	714	1.3	7.2	0	0	0
	23:31	0	5.7	8,652	100	44	7.2	10,416	695	3	7.18	0	0	0
	23:46	0	5.7	1,238	0	43.6	7.19	0	416	9.2	7.17	333	45.6	7.16

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		805	6.44	675,500	670	63.7	7.22	558,530	716	5.0	7.19	181,599	23.3	7.19
MAXIMUM		856	7.60	13,395	995	196.6	7.28	11,440	828	9.7	7.27	12,549	47.6	7.27
MINIMUM		748	5.50	104	100	32.1	7.15	116	393	0.9	7.11	32	0.6	7.11
4/11/2021														
	0:46	770	6.4	4,511	584	49.8	7.17	3,524	789	2.8	7.17	2,002	34.2	7.18
	1:01	757	6.7	8,496	583	45.4	7.16	10,700	713	2.7	7.15	0	0	0
	1:16	784	6.9	8,487	562	46	7.16	10,672	710	4.9	7.14	0	0	0
	1:31	756	6.8	11,508	765	46.5	7.15	6,409	669	6.6	7.12	3,516	30.5	7.11
	1:46	771	6.8	9,186	588	46	7.15	3,074	214	2	7.11	0	10.9	7.12
	2:01	0	6.2	8,395	547	45.4	7.13	10,560	702	2.4	7.1	0	0	0
	2:16	0	5.6	7,035	112	45.9	7.13	6,432	674	3.9	7.09	641	33.9	7.09
	2:31	0	5.7	217	0	45	7.13	0	0	0	0	0	23.6	7.09
	3:31	764	6.5	7,757	557	50	7.11	7,793	741	2.5	7.1	1,880	25.3	7.11
	3:46	776	6.8	8,450	566	48.3	7.11	10,565	705	3.9	7.09	0	0	0
	4:01	779	7	8,411	936	48.1	7.1	10,605	706	6	7.08	0	0	0
	4:16	775	6.7	12,278	568	49.3	7.1	5,959	672	5.1	7.07	4,231	28.8	7.06
	4:31	783	7	8,411	564	48.3	7.1	10,647	708	1.5	7.06	0	0	0
	4:46	0	5.7	8,389	556	49.3	7.09	10,571	706	3.4	7.05	0	0	0
	5:01	0	5.7	3,624	0	49.1	7.08	2,048	621	4.6	7.04	544	32.1	7.04
	6:01	786	6.4	3,821	563	55.4	7.07	2,624	808	3.4	7.06	2,052	25.5	7.06
	6:16	776	6.7	8,413	569	52	7.07	10,633	708	3.1	7.05	0	0	0
	6:31	762	6.9	8,458	539	53.2	7.07	10,537	704	5.5	7.04	0	0	0
	6:46	768	6.7	11,160	664	54.3	7.07	6,444	679	7.1	7.04	3,605	31.2	7.04
	7:01	757	6.8	9,603	558	53.7	7.07	1,098	84	2.6	7.04	167	12.3	7.04
	7:16	0	6.4	8,362	559	53.5	7.07	0	0	2.7	7.03	0	0	0
	7:31	761	5.3	9,105	995	54.5	7.07	0	0	4.3	7.03	0	44.2	7.03
	7:46	0	5.8	4,523	0	56.3	7.07	0	0	6.1	7.04	68	12.3	7.03
	8:01	0	5.8	0	0	58.9	7.07	0	0	0	0	92	1.9	7.03

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:16	760	6.1	5,255	559	62	7.07	6,227	754	1.9	7.01	469	1.9	7.02
	8:31	766	6.3	8,403	598	63.4	7.07	10,629	710	2	7.01	0	0	0
	8:46	762	6.4	9,351	831	63.1	7.07	10,081	676	2.1	7	0	0	0
	9:01	764	6.3	10,953	556	63.7	7.08	9,352	620	2.1	7	0	0	0
	9:16	0	5.8	6,224	0	62.7	7.1	7,871	716	2.1	6.99	21	2.1	6.99
	10:16	782	6.5	3,099	557	73.3	7.1	3,805	753	1.9	6.98	89	2	6.99
	10:31	769	6.6	9,464	970	68.5	7.1	9,777	653	1.9	6.98	0	0	0
	10:46	793	6.5	10,775	544	68.3	7.1	9,292	617	1.9	6.98	0	0	0
	11:01	738	6.8	8,332	568	67.6	7.11	10,592	704	1.9	6.98	0	0	0
	11:16	0	6.4	6,934	0	68.2	7.11	8,592	702	1.8	6.98	166	1.8	6.98
	12:16	753	6.2	3,054	968	81.4	7.11	1,712	533	1.8	6.98	85	1.8	6.97
	12:31	769	6.2	10,659	563	75.1	7.11	9,356	619	1.8	6.98	0	0	0
	12:46	749	6.4	8,867	548	73.9	7.11	9,469	717	2.5	7.04	1,599	32.2	7.01
	13:01	756	6.6	9,075	995	75.3	7.12	9,546	680	2.9	7.12	586	46.9	7.12
	13:16	755	6.3	11,558	557	77.2	7.12	6,761	695	4.3	7.13	3,593	21.4	7.12
	13:31	744	6.7	8,414	574	77.6	7.13	10,557	703	2.1	7.13	0	0	0
	13:46	0	6.4	7,635	0	79	7.13	9,676	717	2.9	7.14	0	3.4	7.14
	14:46	756	6.1	6,430	950	97.6	7.12	151	596	8.8	7.1	3,935	25.5	7.12
	15:01	765	6.1	9,824	580	54.5	7.14	9,662	703	3.8	7.14	1,216	13.6	7.13
	15:16	767	6.3	8,420	567	51.4	7.15	10,617	707	2.5	7.16	0	0	0
	15:31	739	6.3	10,620	995	53.1	7.16	7,576	679	3.3	7.16	2,482	31.1	7.16
	15:46	759	6.3	9,879	559	49.8	7.17	9,855	692	3.1	7.17	488	13.3	7.16
	16:01	761	6.6	8,371	564	49.7	7.17	10,575	709	1.9	7.18	0	0	0
	16:16	0	5.8	10,163	303	49.3	7.18	7,965	686	3	7.18	2,115	33	7.19
	16:31	0	5.8	2,023	0	49.3	7.19	589	581	7.8	7.2	500	7.5	7.19
	17:46	751	6.4	4,574	566	55	7.21	5,497	757	3.2	7.23	290	7.2	7.23
	18:01	761	6.7	8,430	584	48.3	7.21	10,670	710	1.8	7.23	0	0	0
	18:16	754	6.9	8,431	553	47.3	7.22	10,679	712	2.9	7.24	0	0	0
	18:31	745	6.6	12,008	563	48.9	7.24	6,798	659	4.4	7.25	3,092	28.7	7.25

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:46	757	6.8	8,508	552	46.7	7.24	10,698	714	1.4	7.25	0	0	0
	19:01	751	7.1	8,459	590	46.2	7.25	10,638	713	2	7.26	0	0	0
	19:16	0	5.8	11,579	0	48	7.26	6,590	637	4.3	7.27	2,624	25.8	7.26
	20:31	760	6.4	3,943	555	53.4	7.24	4,854	746	1.6	7.25	58	1.4	7.25
	20:46	749	6.7	8,467	575	43.4	7.24	10,715	713	1.4	7.25	0	0	0
	21:01	752	6.7	9,271	995	41.9	7.25	9,577	695	2.4	7.26	810	45.6	7.27
	21:16	753	6.6	11,209	584	42.2	7.26	7,945	676	3.2	7.28	2,110	19.9	7.27
	21:31	740	6.9	8,433	574	41.1	7.27	10,683	713	1.3	7.28	0	0	0
	21:46	0	6.7	8,825	995	41	7.27	10,244	693	2.3	7.27	144	10.6	7.27
	22:01	0	5.8	9,892	0	42.1	7.27	4,894	654	4.4	7.26	2,919	25.7	7.26
	23:16	736	6.5	5,493	580	45.6	7.24	6,988	739	1.4	7.23	12	1.3	7.24
	23:31	774	6.8	8,400	549	41.5	7.24	10,699	713	1.6	7.23	0	0	0
	23:46	753	6.6	11,146	667	42.2	7.24	7,090	673	3.5	7.23	2,961	27.6	7.23
AVERAGES/TOTALS		761	6.41	529,450	631	55.1	7.15	486,439	675	3.2	7.12	51,162	19.9	7.12
MAXIMUM		793	7.10	12,278	995	97.6	7.27	10,715	808	8.8	7.28	4,231	46.9	7.27
MINIMUM		736	5.30	217	112	41.0	7.07	151	84	1.3	6.98	12	1.3	6.97
4/12/2021														
	0:01	788	6.7	9,273	552	42.5	7.24	10,443	696	2.4	7.23	0	0	0
	0:16	755	6.9	8,463	565	41.2	7.23	10,636	710	1.9	7.21	0	0	0
	0:31	0	6.1	10,782	990	41.5	7.21	7,332	679	3.6	7.19	2,783	30	7.18
	0:46	0	5.8	5,597	0	41.5	7.2	5,099	674	4	7.18	187	7.7	7.18
	1:46	798	6.4	1,779	568	55.5	7.17	2,150	775	1.9	7.15	64	1.4	7.15
	2:01	767	6.7	8,476	573	42.8	7.16	10,779	716	1.7	7.14	0	0	0
	2:16	757	6.8	8,588	995	42.7	7.16	10,504	701	3.5	7.14	0	0	0
	2:31	775	6.6	11,852	557	43.3	7.16	6,614	675	3.9	7.13	3,483	27.9	7.13
	2:46	744	6.9	8,372	590	41.6	7.14	10,650	711	1.9	7.1	0	0	0
	3:01	0	6.9	8,376	994	41.6	7.12	10,664	711	3.5	7.09	0	0	0
	3:16	0	5.7	11,056	0	43	7.12	5,350	645	4.7	7.08	3,299	27.2	7.08

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:16	755	6.3	423	587	63.4	7.1	504	659	1.8	7.08	9	1.5	7.08
	4:31	757	6.6	8,625	569	45.1	7.1	10,963	730	1.8	7.06	0	0	0
	4:46	761	6.9	8,432	564	42.6	7.1	10,632	710	3.4	7.06	0	0	0
	5:01	752	6.6	12,189	532	44	7.1	6,314	670	4.9	7.06	3,703	27.4	7.06
	5:16	757	6.8	8,375	532	42.1	7.09	10,702	712	1.8	7.05	0	0	0
	5:31	760	7.1	8,407	561	42.2	7.08	10,688	712	3.2	7.04	0	0	0
	5:46	0	5.7	11,951	0	43.2	7.08	6,134	664	5.2	7.04	3,609	26.2	7.04
	6:46	750	6.3	968	605	61.6	7.06	1,174	759	2.3	7.04	48	1.7	7.04
	7:01	760	6.7	8,546	581	44.6	7.06	10,749	719	1.7	7.03	0	0	0
	7:16	758	6.9	8,417	551	43.2	7.06	10,583	707	3.4	7.03	0	0	0
	7:31	748	6.6	12,009	526	43.4	7.06	6,458	661	5	7.03	3,479	28	7.03
	7:46	746	6.8	8,347	540	42.5	7.07	10,592	706	1.8	7.03	0	0	0
	8:01	0	6.7	8,353	543	42.5	7.07	10,590	707	3.1	7.03	0	0	0
	8:16	748	6.3	11,974	560	44.5	7.07	6,576	655	5.1	7.03	3,282	27.8	7.03
	8:31	0	5.8	7,529	0	43.4	7.08	9,552	709	1.7	7.03	0	2	7.03
	10:01	746	6.4	3,324	566	55.8	7.07	4,167	753	3.3	7.03	46	2.2	7.03
	10:16	751	6.7	8,363	994	48.4	7.06	10,580	705	4.1	7.03	0	0	0
	10:31	752	6.3	12,382	538	54	7.08	1,330	212	5	7.04	4,578	24.5	7.03
	10:46	731	7	5,102	622	52.1	7.09	0	0	2.7	7.04	0	6.3	7.04
	11:01	756	7.4	8,448	560	53.6	7.09	0	0	5	7.04	0	3.6	7.04
	11:16	757	7.1	11,684	787	53.8	7.09	0	0	6.6	7.04	0	27.1	7.04
	11:31	743	7.2	9,068	539	54.4	7.1	0	0	3.4	7.04	0	12.3	7.04
	11:46	748	7.5	8,338	549	53.6	7.11	0	0	4.8	7.05	0	0	0
	12:01	772	7.4	5,946	947	54.2	7.11	0	0	6.7	7.05	2,339	21.2	7.05
	12:16	772	7.3	11,992	642	57.9	7.12	7,177	796	4.2	7.07	4,112	17.9	7.05
	12:31	759	7.2	10,491	995	55.4	7.12	9,733	796	4.7	7.07	1,861	28.9	7.08
	12:46	731	7	12,132	666	65.8	7.14	7,168	844	5.7	7.1	4,564	15.6	7.08
	13:01	774	6.7	11,871	995	70.8	7.15	6,775	826	8.2	7.1	4,705	27.6	7.1
	13:16	769	6.6	10,335	586	78.6	7.15	8,144	760	7.2	7.1	3,222	16.7	7.1

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:31	755	6.7	10,554	805	68.7	7.16	4,269	740	9.3	7.11	9,175	18	7.12
	13:46	0	6.2	6,540	789	62.7	7.16	0	0	0	0	8,250	16.8	7.13
	14:01	817	5.6	12,319	574	59.3	7.18	3,614	761	5.4	7.15	7,133	23.9	7.14
	14:16	776	5.8	8,686	550	52.8	7.19	11,171	743	2.3	7.15	0	0	0
	14:31	788	6.1	8,671	579	57	7.18	11,082	739	5.3	7.13	0	0	0
	14:46	770	5.8	12,308	627	58.4	7.18	6,522	699	6.5	7.13	3,982	27.6	7.13
	15:01	768	6	8,725	578	53.8	7.17	11,117	742	2.7	7.14	0	0	0
	15:16	768	6.3	8,728	574	52.8	7.17	11,064	738	5.1	7.14	0	0	0
	15:31	806	6.1	12,185	554	53.5	7.17	6,701	688	6.6	7.14	3,575	27.7	7.14
	15:46	769	6.2	8,747	597	52.7	7.19	11,190	744	2.4	7.16	0	0	0
	16:01	778	6.5	8,720	568	54.3	7.19	11,113	740	4.7	7.16	0	0	0
	16:16	770	6.3	12,089	582	58.8	7.2	6,835	681	6.8	7.18	3,372	27.4	7.18
	16:31	788	6.5	8,720	566	54.6	7.2	11,133	743	2.4	7.19	0	0	0
	16:46	0	6	8,721	591	54.8	7.22	11,139	740	4.3	7.2	0	0	0
	17:01	0	5.7	5,434	0	53.1	7.22	5,104	704	5.8	7.21	168	44.8	7.21
	18:16	785	6.3	3,217	613	56.1	7.22	1,762	886	4.9	7.24	2,259	35.1	7.24
	18:31	789	6.6	8,803	600	45.9	7.23	11,293	750	2.5	7.23	0	0	0
	18:46	758	6.8	8,748	601	49.3	7.24	11,180	740	4.5	7.23	0	0	0
	19:01	790	6.8	10,609	988	51.4	7.24	7,875	717	6.3	7.23	2,737	33.7	7.23
	19:16	782	6.8	10,355	558	52.1	7.24	10,090	723	2.9	7.23	680	13.9	7.23
	19:31	770	7.1	8,774	532	52.4	7.24	11,136	742	2.2	7.23	0	0	0
	19:46	0	5.7	10,236	995	52.8	7.24	8,759	720	3.5	7.24	1,904	33.9	7.25
	20:01	0	5.7	3,908	0	54	7.24	1,395	572	6.1	7.25	878	8.3	7.25
	21:01	803	6.4	1,998	600	61.3	7.24	2,449	808	3.1	7.25	81	2.5	7.25
	21:16	776	6.7	8,759	559	50	7.24	11,197	744	1	7.24	0	0	0
	21:31	794	6.9	8,713	563	51.4	7.25	11,128	740	2.2	7.24	0	0	0
	21:46	784	6.7	12,071	605	54.8	7.25	7,578	659	4.3	7.24	2,365	26.4	7.24
	22:01	790	6.9	8,769	585	54.6	7.25	11,161	744	1.4	7.22	0	0	0
	22:16	786	7.1	8,709	586	55.1	7.24	11,108	741	2.5	7.21	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:31	0	5.5	12,087	580	58.5	7.22	7,339	663	4.3	7.19	2,721	27.4	7.19
	22:46	0	5.7	1,325	0	61.5	7.22	1,548	772	4.2	7.19	177	1.6	7.19
	23:46	799	6.4	3,291	573	67.2	7.18	4,158	795	1.5	7.16	41	1.2	7.17
	AVERAGES/TOTALS	768	6.52	618,154	641	52.1	7.16	520,716	717	3.9	7.13	98,871	19.1	7.12
	MAXIMUM	817	7.50	12,382	995	78.6	7.25	11,293	886	9.3	7.25	9,175	44.8	7.25
	MINIMUM	731	5.50	423	526	41.2	7.06	504	212	1.0	7.03	9	1.2	7.03
4/13/2021														
	0:01	786	6.7	4,956	0	59.8	7.17	11,116	742	1.6	7.16	0	0	0
	0:16	801	6.8	1,927	995	61.2	7.17	10,911	731	3.6	7.15	0	0	0
	0:31	785	6.7	12,057	590	63.4	7.17	7,141	695	3.6	7.14	3,298	27.3	7.14
	0:46	808	6.9	8,724	571	61.7	7.17	11,137	741	2	7.13	0	0	0
	1:01	777	7.1	8,728	995	62.4	7.16	11,084	739	3.8	7.11	0	0	0
	1:16	0	5.7	11,643	0	68.7	7.14	6,367	670	4.2	7.11	3,177	26.7	7.11
	2:31	757	6.5	6,720	599	69.2	7.12	8,411	765	1.7	7.09	84	1.2	7.09
	2:46	797	6.8	8,680	562	67.1	7.12	11,084	739	3.2	7.08	0	0	0
	3:01	793	6.6	12,101	611	73.4	7.12	6,875	673	5.2	7.07	3,305	27.6	7.07
	3:16	795	6.7	8,904	576	72.3	7.11	11,122	746	2.2	7.06	0	0	0
	3:31	786	7	8,734	582	70.9	7.1	11,101	739	3.4	7.05	0	0	0
	3:46	810	6.8	11,922	602	76.2	7.09	6,858	675	5.3	7.04	3,264	27.8	7.04
	4:01	0	6.7	8,947	543	73.7	7.09	11,173	743	2.5	7.03	0	0	0
	4:16	0	5.8	8,661	0	74.4	7.08	11,032	737	3.3	7.02	0	0	0
	4:31	0	5.8	438	0	75	7.08	555	737	4.3	7.02	18	4.4	7.01
	5:46	774	6.3	3,570	619	91	7.06	1,733	865	8.1	7.02	2,711	12.8	7.02
	6:01	795	6.1	12,376	563	89	7.06	6,716	707	4.9	7.02	3,812	27.5	7.02
	6:16	793	6.3	8,671	566	80.4	7.06	11,023	738	2.3	7.02	0	0	0
	6:31	780	6.6	8,691	580	81.6	7.06	11,055	736	4.4	7.02	0	0	0
	6:46	784	6.4	12,205	576	86.7	7.06	6,738	690	5.6	7.01	3,610	28	7.01
	7:01	798	6.6	8,709	568	82.9	7.06	11,035	738	2.1	7.01	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:16	804	6.8	8,633	577	84.1	7.06	11,071	737	4	7.01	0	0	0
	7:31	791	6.6	12,230	562	93	7.06	6,391	694	5.9	7.01	4,079	27	7.01
	7:46	0	6.5	8,789	563	87.3	7.06	11,100	741	2.1	7.01	0	0	0
	8:01	0	5.8	8,698	599	88.7	7.06	10,994	735	4	7.01	0	0	0
	8:16	0	6	1,917	0	89.7	7.06	2,393	734	5.2	7.01	34	5.5	7
	9:46	809	6	11,128	588	107.4	7.05	3,186	713	6.9	7	5,987	22.2	7
	10:01	775	6.2	8,768	551	95.6	7.05	11,117	740	2.1	7	0	0	0
	10:16	788	6.5	8,651	588	97.2	7.06	11,005	733	4.1	7.01	0	0	0
	10:31	792	6.2	12,144	595	105	7.07	6,429	680	6.2	7.01	3,787	28.4	7.01
	10:46	805	6.4	8,796	604	99.7	7.08	11,109	741	2.2	7.02	0	0	0
	11:01	797	6.7	8,681	580	100.1	7.09	11,030	735	3.8	7.02	0	0	0
	11:16	801	6.5	12,093	595	104.3	7.09	6,556	670	5.6	7.02	3,555	28	7.02
	11:31	796	6.7	8,829	578	103.2	7.09	11,155	744	2.5	7.02	0	0	0
	11:46	0	6.2	8,697	571	104.1	7.09	11,039	736	3.5	7.02	0	0	0
	12:01	19	5.9	11,833	45	108.4	7.09	6,624	678	5.4	7.02	3,572	27.7	7.02
	12:16	0	5.8	1,324	0	113.8	7.09	1,280	722	6.3	7.02	5	6.7	7.02
	13:31	772	6.4	5,609	552	117.7	7.07	7,076	768	2.2	7.04	53	3.1	7.05
	13:46	768	6.7	8,666	572	110.8	7.07	10,996	734	2.6	7.03	0	0	0
	14:01	783	6.7	9,873	995	113.1	7.09	9,120	711	4.4	7.04	1,533	42.8	7.04
	14:16	750	6.7	10,983	605	115.5	7.11	8,912	714	3.5	7.06	1,679	15.9	7.04
	14:31	780	7	8,695	570	115.1	7.12	11,067	735	2.4	7.06	0	0	0
	14:46	783	7	9,502	995	116.6	7.13	9,840	714	4.2	7.07	864	47.9	7.08
	15:01	801	6.2	11,332	570	124.4	7.14	8,363	709	3.8	7.09	2,208	21.3	7.08
	15:16	0	5.9	7,706	0	120.2	7.14	9,768	736	2.3	7.09	143	3.1	7.09
	15:31	0	6	3,878	0	171.4	7.23	3,748	829	4.7	7.09	1,138	13.8	7.09
	17:01	789	6.3	9,302	995	61.4	7.23	7,356	732	4.1	7.11	2,058	35	7.11
	17:16	776	6.3	10,686	587	54.4	7.24	9,529	717	2.7	7.11	1,243	13.5	7.11
	17:31	775	6.5	8,700	602	52.9	7.25	11,022	737	1.9	7.13	0	0	0
	17:46	795	6.5	9,763	995	58.4	7.25	9,268	713	4.1	7.14	1,338	46.8	7.14

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:01	783	6.5	11,061	595	57.6	7.27	8,680	713	2.9	7.16	1,905	18.4	7.14
	18:16	789	6.7	8,644	561	51.8	7.28	11,024	737	1.6	7.17	0	0	0
	18:31	0	6.1	9,327	995	53.5	7.29	10,069	717	3.6	7.18	667	47.1	7.18
	18:46	0	5.7	6,213	0	57.7	7.3	1,561	565	6.2	7.19	2,405	22.9	7.18
	19:46	785	6.3	1,878	596	70.1	7.32	2,382	805	4	7.23	0	2.8	7.23
	20:01	785	6.7	8,750	596	41.8	7.33	11,105	739	0.8	7.21	0	0	0
	20:16	766	6.9	8,672	555	44.1	7.34	10,989	734	1.8	7.22	0	0	0
	20:31	777	6.7	12,111	591	48.9	7.32	7,049	666	4.3	7.22	3,042	28	7.22
	20:46	796	6.8	8,711	586	44.3	7.3	11,054	739	1	7.21	0	0	0
	21:01	761	7.1	8,681	593	44.2	7.29	11,061	736	2.1	7.19	0	0	0
	21:16	0	5.7	12,070	0	49.6	7.29	7,140	662	4.3	7.19	2,929	28.5	7.19
	21:31	0	5.7	772	0	46.5	7.28	960	768	4.7	7.19	16	1.9	7.19
	22:31	785	6.4	2,591	578	62.9	7.29	3,205	794	1.4	7.18	87	1.1	7.19
	22:46	805	6.7	8,688	565	44.7	7.28	11,051	737	1.1	7.17	0	0	0
	23:01	786	6.9	8,691	959	46.9	7.28	11,013	734	3.1	7.16	0	0	0
	23:16	779	6.7	12,182	577	51.3	7.27	6,915	680	4	7.16	3,290	28.4	7.16
	23:31	772	6.9	8,765	554	46.7	7.25	11,026	734	1.5	7.15	0	0	0
	23:46	797	7.1	8,679	585	46.8	7.23	11,001	734	3.6	7.14	0	0	0
	AVERAGES/TOTALS	772	6.46	579,756	628	78.9	7.16	580,096	727	3.6	7.09	70,896	21.5	7.09
	MAXIMUM	810	7.10	12,376	995	171.4	7.34	11,173	865	8.1	7.23	5,987	47.9	7.23
	MINIMUM	19	5.70	438	45	41.8	7.05	555	565	0.8	7.00	5	1.1	7.00
4/14/2021														
	0:01	0	5.7	12,152	0	51	7.22	6,562	679	4.6	7.12	3,552	28.7	7.12
	0:16	0	5.8	285	0	47	7.2	366	736	1.1	7.12	0	1.2	7.11
	1:16	804	6.5	6,003	592	52.5	7.22	7,581	762	1.4	7.09	30	0.9	7.1
	1:31	779	6.8	8,625	558	46.7	7.2	11,025	733	2.9	7.09	0	0	0
	1:46	784	6.6	11,839	609	51.8	7.19	6,581	684	5.2	7.08	3,624	28.9	7.07
	2:01	773	6.7	8,969	594	47.1	7.18	11,073	735	2.3	7.07	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:16	810	7	8,655	580	47.3	7.16	10,991	734	3.1	7.06	0	0	0
	2:31	0	5.9	11,379	664	51.2	7.15	6,709	699	5	7.05	3,625	29	7.04
	2:46	0	5.7	4,547	0	49.7	7.15	4,362	721	4.6	7.05	279	6.2	7.04
	3:46	794	6.5	4,992	589	55.8	7.2	6,263	767	1.6	7.05	12	1.2	7.05
	4:01	784	6.8	8,664	568	48.8	7.18	10,964	732	2.9	7.03	0	0	0
	4:16	820	6.6	10,909	995	53.1	7.16	7,241	705	5	7.02	3,239	32.8	7.02
	4:31	807	6.7	10,116	574	49	7.15	10,103	731	3	7.02	931	13	7.02
	4:46	797	6.9	8,697	577	49.2	7.13	10,932	730	2.9	7.02	0	0	0
	5:01	0	6.2	10,489	995	52.2	7.13	7,910	705	4.9	7.01	2,534	37.8	7.01
	5:16	0	5.8	6,636	0	52.1	7.13	4,294	720	5	7.01	1,687	12.6	7.01
	6:16	797	6.5	4,871	568	58.2	7.18	6,119	769	1.6	7.02	30	1.3	7.02
	6:31	782	6.7	8,635	579	50.9	7.15	10,949	732	3	7	0	0	0
	6:46	791	6.7	10,677	995	55	7.14	7,594	705	5.3	6.99	2,916	35.6	6.99
	7:01	808	6.7	10,308	604	51.3	7.14	1,392	109	3.1	7.01	1,021	14.1	7.01
	7:16	797	6.9	8,620	548	50.6	7.13	0	0	3	7	0	0	0
	7:31	0	6.9	10,210	300	53.4	7.13	0	0	5	6.99	0	41.6	6.99
	7:46	0	6.9	3,954	0	66.1	7.13	868	436	6.6	7	0	14.1	7
	8:01	0	5.5	6,958	707	54.1	7.19	7,949	908	3.2	7.01	798	10.3	7.01
	8:16	784	6.4	4,485	0	52	7.15	5,545	923	4.1	6.99	139	4.9	6.99
	8:31	0	6.3	8,689	454	57.6	7.18	0	0	0	0	6,256	14.2	6.99
	8:46	781	5.9	7,259	0	55.2	7.17	8,889	889	3.1	6.99	113	9.2	6.99
	9:01	799	6.4	4,992	582	56.5	7.18	6,199	774	3	6.99	65	3.5	6.99
	9:16	782	6.7	8,823	602	59.7	7.15	11,112	743	5.6	6.99	0	0	0
	9:31	779	6.5	12,221	640	64.3	7.14	5,828	708	8.3	6.99	4,664	28.9	6.99
	9:46	786	6.5	9,194	551	58.7	7.14	11,055	764	2.7	7.01	498	11.5	7.01
	10:01	786	6.8	8,792	599	58.6	7.14	11,198	744	5.3	7.01	0	0	0
	10:16	780	6.5	12,152	680	62.4	7.14	6,068	693	7.6	7	4,251	29.7	7
	10:31	771	6.7	9,272	579	57.8	7.15	10,866	763	2.8	7.01	746	11.4	7.01
	10:46	770	7	8,820	581	58.3	7.16	11,186	745	4.7	7.01	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:01	790	6.7	11,765	713	62.6	7.15	6,651	703	6.9	7.02	3,781	30.3	7.02
	11:16	796	6.9	9,580	605	58.6	7.15	10,669	747	2.9	7.02	734	10.4	7.02
	11:31	0	5.8	8,773	0	59	7.16	11,182	746	4.1	7.02	0	0	0
	11:46	0	5.9	461	0	58.6	7.17	565	745	5.5	7.02	19	6.7	7.02
	13:01	790	6.1	333	995	85.8	7.26	0	509	7.6	7.1	2,200	26.3	7.1
	13:16	792	6.1	11,708	584	52.8	7.24	8,169	729	3.5	7.08	2,533	20.1	7.08
	13:31	761	6.3	8,997	576	57.1	7.2	11,155	742	2.2	7.06	0	0	0
	13:46	783	6.4	9,182	995	61.3	7.18	10,906	726	4.4	7.05	0	0	0
	14:01	780	6.2	12,067	602	64.5	7.19	7,084	719	3.7	7.06	3,548	28.2	7.04
	14:16	784	6.5	8,901	617	63.6	7.19	11,189	746	2	7.06	0	0	0
	14:31	771	6.6	8,897	995	67.4	7.2	11,221	748	4.1	7.06	0	0	0
	14:46	784	6.4	12,290	601	74.2	7.2	2,176	224	4.2	7.07	3,562	28.3	7.07
	15:01	0	5.8	8,914	590	70	7.2	5,507	358	2	7.07	0	0	0
	15:16	0	5.8	3,119	0	70.5	7.21	3,909	741	3.3	7.07	4	4.8	7.07
	16:46	796	6.3	8,777	995	78.6	7.3	7,378	757	4.6	7.14	2,344	21.6	7.13
	17:01	780	6.2	11,704	561	69.2	7.29	8,099	723	3.4	7.14	2,564	24.2	7.13
	17:16	785	6.3	8,897	609	69	7.28	11,142	743	1.7	7.14	0	0	0
	17:31	795	6.5	9,129	995	70.9	7.28	10,843	725	3.5	7.15	0	0	0
	17:46	802	6.3	12,005	607	74.9	7.29	7,463	706	3.7	7.16	3,042	28.9	7.15
	18:01	805	6.5	9,012	586	72.1	7.29	11,170	743	1.6	7.16	0	0	0
	18:16	0	6.4	8,945	995	73.1	7.3	11,140	744	3.3	7.17	0	0	0
	18:31	0	5.7	7,665	0	82.7	7.3	1,628	550	6.1	7.17	3,205	24.8	7.17
	19:46	782	6.5	6,290	573	81.6	7.35	7,757	773	2.2	7.2	65	3.2	7.2
	20:01	769	6.7	8,890	631	73.1	7.32	11,173	742	1.7	7.19	0	0	0
	20:16	807	6.8	9,568	995	77.4	7.29	10,159	722	3.8	7.18	676	47.4	7.17
	20:31	774	6.7	11,637	612	76.5	7.27	7,974	723	3.5	7.16	2,682	24.1	7.16
	20:46	779	6.9	8,890	592	75.8	7.25	11,178	743	1.9	7.15	0	0	0
	21:01	0	6.2	9,160	995	78.4	7.24	10,871	725	3.9	7.14	0	0	0
	21:16	0	5.7	6,774	0	84.2	7.24	1,046	590	7.2	7.13	3,364	25.7	7.13

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:31	785	6.6	8,553	598	83.3	7.24	10,672	763	2.1	7.12	33	3.5	7.13
	22:46	797	6.8	8,962	594	78.9	7.22	11,135	741	2.7	7.11	0	0	0
	23:01	791	6.7	11,234	995	83.5	7.2	7,126	710	4.6	7.1	3,372	30.2	7.1
	23:16	785	6.7	10,351	591	81.9	7.19	10,338	740	3	7.09	898	10.2	7.1
	23:31	780	6.9	8,887	588	82.1	7.18	11,161	742	2.8	7.08	0	0	0
	23:46	0	6	10,770	985	86.8	7.18	7,943	718	4.6	7.07	2,704	33.7	7.07
AVERAGES/TOTALS		788	6.42	602,976	680	63.2	7.20	533,553	706	3.8	7.07	82,340	19.0	7.06
MAXIMUM		820	7.00	12,290	995	86.8	7.35	11,221	923	8.3	7.20	6,256	47.4	7.20
MINIMUM		761	5.50	285	300	46.7	7.13	366	109	1.1	6.99	4	0.9	6.99
4/15/2021														
	0:01	0	5.7	5,568	0	87.1	7.18	3,055	718	5.9	7.07	1,752	12.9	7.07
	1:16	781	6.6	8,996	592	91.8	7.19	11,141	761	1.9	7.06	0	1.8	7.07
	1:31	761	6.9	8,927	584	88.2	7.17	11,081	739	3.8	7.05	0	0	0
	1:46	794	6.6	12,457	612	95.5	7.16	6,244	683	5.9	7.05	4,211	26.7	7.05
	2:01	794	6.7	8,958	616	90.4	7.15	11,286	755	2.3	7.04	0	0	0
	2:16	770	6.9	8,902	583	92.6	7.14	11,118	741	4	7.03	0	0	0
	2:31	767	6.7	12,255	653	97.7	7.14	6,506	682	6.1	7.02	3,739	29.5	7.02
	2:46	793	6.8	9,670	578	116.1	7.15	10,266	775	2.8	7.02	1,739	22.2	7.02
	3:01	0	5.5	8,931	619	49.9	7.14	11,105	741	4.1	7.01	0	0	0
	3:16	0	5.8	1,508	0	51	7.14	1,852	740	5.5	7.01	0	5.9	7
	4:46	772	6	9,916	687	59.4	7.17	168	542	8.2	7.03	8,442	22.2	7.03
	5:01	794	6.1	10,006	586	47.4	7.17	10,497	760	3	7.02	1,076	11.1	7.02
	5:16	779	6.3	8,811	565	46.7	7.17	11,022	737	3.6	7.02	0	0	0
	5:31	785	6.2	11,160	994	49.3	7.17	7,129	708	5.5	7.02	3,400	32.8	7.02
	5:46	774	6.2	10,260	599	47.6	7.17	10,181	741	3.3	7.03	1,096	11.9	7.03
	6:01	776	6.5	8,909	601	46.6	7.16	11,124	740	3.5	7.02	0	0	0
	6:16	782	6.4	10,763	995	48.6	7.16	7,876	713	5.5	7.02	2,712	36.7	7.02
	6:31	814	6.4	10,729	601	47.1	7.16	9,423	740	3.3	7.02	1,779	14.5	7.02

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:46	784	6.6	8,926	585	46.8	7.16	11,078	741	3.3	7.01	0	0	0
	7:01	0	5.7	9,914	108	49.3	7.15	8,577	715	5.5	7	1,675	43.7	7
	7:16	0	5.6	489	0	67.4	7.17	0	0	0	0	0	16	7
	8:31	792	6.5	7,115	559	53.8	7.14	6,624	775	3.1	7.02	2,146	20.2	7.03
	8:46	0	6.3	8,679	567	48	7.14	10,801	718	4.1	7	0	0	0
	9:01	0	6	4,510	0	47.4	7.14	5,533	717	5.7	7	9	7.4	6.99
	10:16	772	5.8	4,398	995	67.2	7.18	94	449	8.3	7.05	2,622	30.8	7.04
AVERAGES/TOTALS		782	6.27	210,757	632	65.3	7.16	193,781	714	4.5	7.03	36,398	20.4	7.03
MAXIMUM		814	6.90	12,457	995	116.1	7.19	11,286	775	8.3	7.07	8,442	43.7	7.07
MINIMUM		761	5.50	489	108	46.6	7.14	94	449	1.9	7.00	9	1.8	6.99

DATA SUMMARY

AVERAGES/TOTALS	762	6.47	8,400,105	636	64.3	7.21	7,720,470	707	3.9	7.16	1,369,152	21.3	7.17
MAXIMUM	877	8.00	13,395	995	196.6	7.52	11,440	923	9.7	7.66	12,549	50.2	7.57
MINIMUM	19	5.30	42	45	22.8	7.05	94	84	0.7	6.98	3	0.6	6.97

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

JUNE 2021

Downloaded: 7/12/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
6/3/2021													
8:01	807	6.4	5,436	995	2.8	7.47	465	908	6.5	6.62	5,011	16.5	6.58
8:16	802	5.9	13,186	789	0.7	7.5	0	0	0	0	12,234	19.2	6.57
8:31	794	5.7	10,745	607	5	7.5	6,781	798	7.6	6.62	6,079	7	6.59
8:46	778	6	8,887	601	9.8	7.5	10,746	718	7.5	6.63	0	0	0
9:01	803	6.9	5,145	995	10.4	7.49	2,519	713	8.7	6.64	2,200	30.9	6.65
9:16	797	6.5	12,143	589	10.4	7.48	5,634	804	7.3	6.67	6,007	19	6.67
9:31	812	6.7	9,011	600	10.4	7.47	10,765	720	6.7	6.68	0	0	0
9:46	801	6.9	8,996	590	10.4	7.48	10,785	716	8.3	6.69	0	0	0
10:01	805	6.5	12,844	637	10.4	7.48	3,940	758	8.7	6.69	6,819	23.4	6.7
10:16	805	6.7	9,294	625	10.4	7.48	11,036	739	4.9	6.71	0	0	0
10:31	811	6.9	9,098	612	10.4	7.48	10,802	719	5.7	6.72	0	0	0
10:46	799	6.9	11,326	995	10.5	7.49	6,709	691	7.2	6.72	3,430	32	6.72
11:01	799	6.8	10,698	603	11.8	7.49	9,372	760	4.9	6.73	2,086	11.3	6.72
11:16	805	7.1	9,045	623	11.8	7.49	10,746	719	3.9	6.73	0	0	0
11:31	809	7.2	9,046	995	11.8	7.5	10,801	718	5.8	6.73	0	0	0
11:46	803	6.9	12,754	639	11.9	7.5	5,855	714	6	6.75	4,542	25.4	6.74
12:01	807	7.1	9,121	592	11.8	7.51	10,756	721	3.1	6.76	0	0	0
12:16	792	7.5	9,054	609	11.8	7.51	10,788	719	3.7	6.78	0	0	0
12:31	773	7.1	12,386	632	11.4	7.51	6,371	655	5.7	6.79	3,364	26.8	6.79
12:46	0	6	9,249	629	10.1	7.52	10,962	733	3.3	6.82	0	0	0
13:01	0	6	5,766	0	9.2	7.52	6,669	718	2.5	6.83	170	2.6	6.82
13:31	766	7.7	680	672	9.2	7.54	757	721	3.3	6.86	49	2.6	6.8
13:46	786	8.3	9,515	995	8.5	7.54	11,227	752	5.8	6.86	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:01	765	7.4	12,824	627	8.2	7.54	4,956	736	6.2	6.89	5,695	22.7	6.88
	14:16	757	7.9	9,393	636	7.8	7.55	11,358	757	3.6	6.91	0	0	0
	14:31	785	8.1	9,517	646	7.8	7.55	11,424	760	5.5	6.93	0	0	0
	14:46	748	6.8	12,207	704	7.8	7.55	6,832	717	7.4	6.96	3,869	27.8	6.97
	15:01	745	7	10,010	639	7.8	7.55	11,596	773	4	6.99	0	0	0
	15:16	772	7.1	9,594	629	7.8	7.56	11,438	762	3.3	7.01	0	0	0
	15:31	0	6.7	10,084	995	8.9	7.56	10,559	740	5.4	7.04	526	46.8	7.05
	15:46	754	5.7	12,108	608	10.6	7.55	7,959	738	5.4	7.07	3,005	25.4	7.05
	16:01	758	5.8	9,532	648	10.5	7.57	11,416	762	3.4	7.09	0	0	0
AVERAGES/TOTALS		788	6.82	308,694	702	9.3	7.51	262,024	741	5.5	6.80	65,086	21.2	6.77
MAXIMUM		812	8.30	13,186	995	11.9	7.57	11,596	908	8.7	7.09	12,234	46.8	7.05
MINIMUM		745	5.70	680	589	0.7	7.47	465	655	2.5	6.62	49	2.6	6.57
6/4/2021														
	8:01	0	7.1	3,191	0	10.6	7.57	3,790	758	4	7.11	8	4.5	7.11
	8:16	0	5.7	5,767	630	14.3	7.51	5,384	861	2.2	6.69	1,528	9.2	6.62
	8:31	0	5.6	3,014	0	14.4	7.5	3,599	759	2.2	6.65	0	2.1	6.64
	10:16	0	5.2	5,278	621	13.1	7.49	6,210	795	1.4	6.59	95	1.4	6.59
	10:31	0	5.8	1,376	0	13	7.49	1,499	742	1.4	6.58	180	1.4	6.58
	12:01	0	7.1	689	642	13.1	7.49	734	722	1.3	6.58	55	1.3	6.58
	12:16	0	4	7,233	0	13.1	7.5	8,435	700	1.3	6.58	32	1.3	6.59
AVERAGES/TOTALS			5.79	26,548	631	13.1	7.51	29,651	762	2.0	6.68	1,898	3.0	6.67
MAXIMUM			7.10	7,233	642	14.4	7.57	8,435	861	4.0	7.11	1,528	9.2	7.11
MINIMUM			4.00	689	621	10.6	7.49	734	700	1.3	6.58	8	1.3	6.58

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
DATA SUMMARY														
AVERAGES/TOTALS		788	6.63	335,242	696	10.0	7.51	291,675	745	4.9	6.78	66,984	15.7	6.74
MAXIMUM		812	8.30	13,186	995	14.4	7.57	11,596	908	8.7	7.11	12,234	46.8	7.11
MINIMUM		745	4.00	680	589	0.7	7.47	465	655	1.3	6.58	8	1.3	6.57

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

AUGUST 2020

Downloaded: 9/8/2020

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
8/4/2020													
16:17	0	8	0	0	268	7.94	0	0	0	0	361	6.2	7.61
16:32	0	7.9	565	47	35.5	7.45	0	0	0	0	615	24	7.36
16:47	0	7.3	3,149	0	42.2	7.45	498	996	2.6	7.31	2,758	21.9	7.31
AVERAGES/TOTALS		7.73	3,714	47	115.2	7.61	498	996	2.6	7.31	3,734	17.4	7.43
MAXIMUM		8.00	3,149	47	268.0	7.94	498	996	2.6	7.31	2,758	24.0	7.61
MINIMUM		7.30	565	47	35.5	7.45	498	996	2.6	7.31	361	6.2	7.31
8/5/2020													
10:02	0	5.9	13,166	0	68.7	7.41	0	0	0	0	13,166	4.2	7.26
10:17	515	7.6	724	200	17.5	7.41	746	995	4.1	7.32	0	4	7.33
10:32	0	7.6	5,265	0	44.6	7.39	3,834	960	4.6	7.31	1,464	4.5	7.34
10:47	526	7.6	5,818	942	40.5	7.37	5,473	995	4.8	7.3	560	5.5	7.31
11:02	516	7.3	10,909	995	33.4	7.37	7,710	995	4.3	7.28	3,614	4.5	7.28
11:17	514	6.8	14,498	882	55.5	7.33	5,969	995	5.6	7.23	8,932	5.4	7.26
11:32	525	6.7	13,590	906	77.3	7.3	14,575	972	5.7	7.21	0	0	0
11:47	533	6.8	13,229	872	79.7	7.35	14,805	985	6.3	7.26	0	0	0
12:02	526	6.8	13,299	995	69.6	7.44	11,513	978	5.9	7.34	2,990	11.3	7.38
12:17	527	8.4	8,303	0	50.7	7.52	0	0	0	0	8,536	7.3	7.38
12:32	534	8.5	9,224	875	56	7.48	6,213	994	5.6	7.38	3,648	5.6	7.38
12:47	520	8.5	13,136	863	54.1	7.47	14,761	985	5.3	7.38	0	0	0
13:02	529	7.4	14,002	995	53.2	7.47	12,995	910	5.8	7.37	739	11.8	7.37

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	524	7.38	135,163	853	53.9	7.41	98,594	979	5.3	7.31	43,649	6.4	7.33
MAXIMUM	534	8.50	14,498	995	79.7	7.52	14,805	995	6.3	7.38	13,166	11.8	7.38
MINIMUM	514	5.90	724	200	17.5	7.30	746	910	4.1	7.21	560	4.0	7.26
8/6/2020													
11:47	0	7.4	565	995	16.4	7.37	0	543	4.4	7.2	592	5.5	7.2
12:02	0	5.9	12,585	177	32.1	7.42	5,954	828	5.4	7.4	5,432	7.2	7.36
12:17	533	6.6	1,697	0	15.7	7.46	0	0	0	0	1,920	3.9	7.42
AVERAGES/TOTALS	533	6.63	14,847	586	21.4	7.42	5,954	686	4.9	7.30	7,944	5.5	7.33
MAXIMUM	533	7.40	12,585	995	32.1	7.46	5,954	828	5.4	7.40	5,432	7.2	7.42
MINIMUM	533	5.90	565	177	15.7	7.37	5,954	543	4.4	7.20	592	3.9	7.20
8/14/2020													
13:17	0	7.4	339	73	14.6	7.75	0	0	0	0	362	1.8	7.44
13:32	535	7	9,765	995	23.1	7.86	0	0	0	0	9,767	3.6	7.68
13:47	528	6.6	14,473	891	18	7.79	7,370	982	4.5	7.75	7,463	4.6	7.74
14:02	534	6.6	13,397	995	19.9	7.67	12,148	811	3.9	7.62	0	0	0
14:17	534	6.9	12,282	759	22.1	7.6	12,477	831	4.4	7.55	0	0	0
14:32	537	7.3	11,511	757	24.1	7.55	12,846	855	4	7.5	0	0	0
14:47	538	7.4	12,606	995	25.5	7.53	11,553	772	4.4	7.48	0	0	0
15:02	527	7.6	12,321	777	26.5	7.51	12,361	822	4.8	7.47	0	0	0
15:17	530	8.1	11,502	770	28	7.5	12,851	855	4.6	7.45	0	0	0
15:32	528	8.2	12,420	995	28.6	7.49	11,811	788	4.8	7.45	0	0	0
15:47	532	8.4	12,586	758	29.3	7.49	12,157	807	5.4	7.44	0	0	0
16:02	531	8.9	11,480	783	30.1	7.47	12,882	857	5	7.43	0	0	0
16:17	541	7.7	13,354	750	30	7.49	11,756	783	5.3	7.44	0	0	0
16:32	536	8	11,472	773	29.9	7.49	12,832	854	5.2	7.44	0	0	0
16:47	533	8.3	11,448	771	30.7	7.49	12,817	854	5.2	7.44	0	0	0
17:02	531	8.4	13,264	729	30.8	7.51	11,915	793	5.2	7.45	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:17	526	8.8	11,459	760	31.1	7.5	12,829	855	5.5	7.45	0	0	0
	17:32	0	8	11,437	734	31.4	7.51	12,764	850	5.3	7.45	0	0	0
	17:47	524	7	13,031	762	29.7	7.53	11,781	789	5.4	7.47	0	0	0
	18:02	531	7.2	11,399	747	31.8	7.52	12,512	834	5.8	7.46	0	0	0
	18:17	530	7.5	11,607	982	32	7.52	12,109	811	5.9	7.46	0	0	0
	18:32	525	7.7	12,486	734	32.8	7.53	11,782	785	6.5	7.48	0	0	0
	18:47	517	8.2	10,973	736	33.3	7.54	12,202	814	6.3	7.48	0	0	0
	19:02	529	8.6	11,153	967	33.4	7.54	12,047	803	6.3	7.48	0	0	0
	19:17	533	8.8	12,848	723	33.4	7.54	11,227	786	7.1	7.48	747	10.4	7.48
	19:32	519	7.9	10,871	734	32.8	7.54	12,137	810	6.7	7.48	0	0	0
	19:47	531	8.2	10,862	979	33	7.53	12,062	806	6.6	7.48	0	0	0
	20:02	532	8.2	13,083	723	33.4	7.53	10,395	773	7.5	7.47	1,494	11.5	7.47
	20:17	515	8.8	10,829	712	33.3	7.52	12,058	805	7.2	7.47	0	0	0
	20:32	517	8.2	10,779	919	32.8	7.53	11,996	801	7.1	7.47	0	0	0
	20:47	522	8.1	13,061	730	33.5	7.53	10,337	767	8	7.47	1,494	12.4	7.47
	21:02	531	8.6	10,731	706	34.1	7.51	11,991	799	7.7	7.46	0	0	0
	21:17	0	7.9	10,749	740	34.2	7.5	11,964	796	7.8	7.46	0	0	0
	21:32	520	7.6	13,296	706	32.9	7.52	8,510	813	8.4	7.47	4,463	11.8	7.46
	21:47	520	8	10,612	721	33.8	7.5	11,812	791	8.2	7.46	0	0	0
	22:02	517	8.4	10,622	716	33.9	7.5	11,850	789	8.2	7.46	0	0	0
	22:17	526	8.3	13,313	716	33.8	7.51	7,296	820	8.7	7.46	5,912	13.2	7.45
	22:32	511	8.8	10,630	702	34.6	7.49	11,852	790	8.7	7.44	0	0	0
	22:47	0	7.7	10,576	709	34	7.49	11,766	785	8.6	7.43	0	0	0
	23:02	518	7.4	13,341	683	33.5	7.49	6,505	817	8.8	7.44	6,830	13.9	7.44
	23:17	523	7.8	10,496	710	34.7	7.48	11,788	784	4.6	7.43	0	0	0
	23:32	496	8.3	10,429	702	34.7	7.48	11,680	779	3	7.43	0	0	0
	23:47	506	8.3	12,545	704	34.4	7.48	10,538	739	4.4	7.43	717	11.1	7.43

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	526	7.93	497,438	768	30.4	7.54	473,566	811	6.1	7.47	39,249	9.4	7.51
MAXIMUM	541	8.90	14,473	995	34.7	7.86	12,882	982	8.8	7.75	9,767	13.9	7.74
MINIMUM	496	6.60	339	73	14.6	7.47	6,505	739	3.0	7.43	362	1.8	7.43
8/15/2020													
0:02	0	8.2	10,458	701	34.6	7.47	11,739	782	3.2	7.42	0	0	0
0:17	490	8	10,415	685	34.5	7.46	11,641	778	3	7.42	0	0	0
0:32	466	7.9	12,303	683	35.7	7.45	10,557	727	4.1	7.41	480	10.4	7.39
0:47	427	8.1	10,406	684	37.5	7.42	11,653	779	2.9	7.38	0	0	0
1:02	416	8.1	10,327	697	38.8	7.41	11,580	773	2.6	7.36	0	0	0
1:17	408	7.8	12,412	712	38.2	7.4	9,515	744	3.6	7.35	2,096	15.6	7.34
1:32	0	7.6	10,365	694	39	7.38	11,698	778	3	7.33	0	0	0
1:47	0	6.7	10,294	677	39.1	7.39	11,593	771	2.6	7.34	0	0	0
2:02	0	5.6	11,986	0	38.3	7.41	9,051	740	3.5	7.36	2,436	14.8	7.35
8:17	436	5	9,209	949	38.2	7.34	7,463	995	2.6	7.31	2,130	6.9	7.28
8:32	420	4.4	13,825	884	55.6	7.31	14,922	995	2.4	7.28	0	0	0
8:47	443	3.9	13,979	995	90.9	7.29	8,452	994	3	7.24	5,824	20.2	7.26
9:02	0	4.3	4,295	0	103.2	7.3	0	0	0	0	4,175	4.8	7.27
13:02	481	4.9	9,675	927	69.3	7.26	249	996	3.1	7.15	9,315	3	7.19
13:17	490	6.3	7,097	0	75.2	7.15	7,651	927	1.7	7.1	187	1.2	7.06
13:47	488	8.5	6,402	765	95.2	7.15	6,393	947	1.3	7.07	580	1.4	7.06
14:02	493	8.5	11,459	769	91	7.12	12,896	860	1	7.06	0	0	0
14:17	501	8	13,365	995	90.1	7.11	5,989	855	0.9	7.04	7,726	9.5	7.04
14:32	480	7.9	12,810	757	87.4	7.09	10,860	903	1.3	7.02	2,988	2.8	7.05
14:47	477	8.2	11,476	748	85.4	7.06	12,891	859	0.8	7	0	0	0
15:02	484	8	13,124	995	80.7	7.07	10,651	748	1.5	7	735	4.3	7.01
15:17	470	7.9	12,994	760	78.3	7.07	9,744	905	0.8	6.99	4,199	2	7.01
15:32	477	8.2	11,512	763	77.1	7.06	12,922	861	0.7	6.99	0	0	0
15:47	489	7.9	13,509	769	75.4	7.06	11,175	747	1.5	6.99	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:02	475	8.1	11,545	769	75.5	7.04	12,946	865	0.7	6.98	0	0	0
	16:17	477	8.3	11,479	765	74.9	7.04	12,976	865	0.6	6.97	0	0	0
	16:32	0	6.5	13,448	760	72.6	7.06	11,100	744	1.3	6.99	0	0	0
	16:47	0	5.6	11,428	0	68.3	7.07	12,902	862	0.8	7	0	0	0
	17:02	0	5.7	191	0	66.3	7.08	212	854	0.7	7	0	0.7	7
	18:47	487	7.5	3,207	786	94.7	7.1	3,371	959	1	7	69	0.9	7.01
	19:02	484	7.4	11,611	769	61.9	7.03	13,028	870	0.5	6.97	0	0	0
	19:17	490	7.1	13,491	764	67.5	7	11,135	746	1.2	6.93	0	0	0
	19:32	480	7.4	11,450	762	82.5	6.96	12,910	862	0.5	6.9	0	0	0
	19:47	493	7.6	11,440	765	73.6	6.95	12,893	860	0.4	6.88	0	0	0
	20:02	494	7.1	13,821	762	75.3	6.95	6,712	876	1.3	6.88	6,955	6.4	6.89
	20:17	487	7.3	11,486	755	78.2	6.92	13,026	868	0.5	6.85	0	0	0
	20:32	492	7.6	11,435	777	79.7	6.91	12,936	860	0.5	6.84	0	0	0
	20:47	484	7	13,827	995	78.8	6.91	4,338	830	0.8	6.84	9,378	12.5	6.85
	21:02	495	7.1	12,332	763	80.3	6.89	12,046	891	0.6	6.83	1,494	0.9	6.85
	21:17	494	7.5	11,426	770	81.6	6.88	12,883	858	0.7	6.82	0	0	0
	21:32	483	7	13,549	799	80.6	6.89	8,304	834	2.5	6.83	4,813	25.3	6.84
	21:47	477	7.2	11,644	750	81.5	6.88	13,124	877	0.8	6.82	0	0	0
	22:02	470	7.4	11,507	759	83	6.88	12,900	861	0.7	6.82	0	0	0
	22:17	459	7	13,375	878	83.6	6.89	8,713	831	2.4	6.84	4,327	27.7	6.84
	22:32	463	7.1	11,848	745	84.9	6.89	12,496	877	0.9	6.83	747	12.8	6.85
	22:47	462	7.3	11,378	747	86.8	6.88	12,817	857	0.9	6.82	0	0	0
	23:02	462	6.9	13,130	995	86.4	6.88	8,851	840	2.4	6.83	4,329	27.7	6.84
	23:17	477	7	12,056	764	69.8	6.88	12,384	872	1.2	6.82	747	13.5	6.84
	23:32	458	7.2	11,444	772	71.9	6.87	12,842	857	1.1	6.81	0	0	0
	23:47	469	6.8	12,883	995	71.5	6.87	9,016	844	2.6	6.82	4,094	30.7	6.82

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		473	7.11	560,128	795	70.8	7.10	508,146	851	1.6	7.03	79,824	10.7	7.04
MAXIMUM		501	8.50	13,979	995	103.2	7.47	14,922	996	4.1	7.42	9,378	30.7	7.39
MINIMUM		408	3.90	191	677	34.5	6.87	212	727	0.4	6.81	69	0.7	6.82
8/16/2020														
	0:02	473	6.8	12,308	730	71.1	6.87	11,489	869	1.5	6.81	1,721	16.4	6.83
	0:17	464	7	11,311	761	71.4	6.85	12,832	857	1.4	6.8	0	0	0
	0:32	466	6.8	12,606	995	70.1	6.85	9,319	846	2.8	6.8	3,843	32.9	6.81
	0:47	467	6.7	12,547	740	69.2	6.85	11,271	869	1.9	6.8	1,963	15	6.82
	1:02	465	6.9	11,311	755	70.6	6.84	12,844	856	1.6	6.79	0	0	0
	1:17	460	6.7	12,322	995	70.1	6.84	9,703	847	2.9	6.79	3,359	33.6	6.8
	1:32	463	6.5	12,787	750	68.8	6.84	10,639	868	2.3	6.8	2,679	19.4	6.81
	1:47	470	6.7	11,344	763	69	6.82	12,821	854	1.9	6.77	0	0	0
	2:02	465	6.6	12,075	995	69.2	6.82	10,326	844	3.2	6.77	2,622	41	6.78
	2:17	469	6.3	12,974	746	66.7	6.83	9,784	871	2.5	6.78	3,640	17.8	6.8
	2:32	473	6.6	11,326	760	66.5	6.8	12,798	853	2.1	6.76	0	0	0
	2:47	472	6.5	11,822	995	66.9	6.81	11,136	843	3.6	6.76	1,678	47.2	6.77
	3:02	458	6.2	13,246	738	65	6.82	8,498	873	2.9	6.78	5,053	21.5	6.79
	3:17	467	6.4	11,227	741	65.7	6.79	12,714	848	2.4	6.76	0	0	0
	3:32	465	6.4	11,525	995	67.4	6.79	11,925	840	4	6.76	717	46	6.76
	3:47	466	6	13,461	747	66.3	6.81	7,657	875	3.1	6.77	6,025	25.2	6.77
	4:02	466	6.3	11,205	755	66.9	6.8	12,653	844	2.5	6.75	0	0	0
	4:17	471	6.4	11,194	995	67.9	6.8	12,580	844	4.2	6.76	0	0	0
	4:32	468	5.9	13,717	734	66.4	6.81	6,440	860	3.5	6.77	7,235	27.2	6.78
	4:47	468	6.1	11,060	737	66.5	6.8	12,639	841	2.6	6.75	0	0	0
	5:02	453	6.3	11,100	995	67.8	6.8	12,576	839	4.3	6.76	0	0	0
	5:17	460	5.7	13,714	744	66.5	6.81	6,605	856	3.9	6.77	6,970	27.2	6.78
	5:32	467	6	10,991	742	66.5	6.8	12,529	837	2.1	6.76	0	0	0
	5:47	461	6.2	11,003	888	68.2	6.8	12,527	834	3.5	6.76	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	460	5.6	13,698	730	67	6.81	6,539	851	4.1	6.77	6,983	26.7	6.78
	6:17	0	5.5	10,996	733	65.6	6.79	12,474	830	2.2	6.76	0	0	0
	6:32	0	6.1	2,540	0	65.8	6.79	2,909	830	2.9	6.76	0	3.2	6.76
	8:02	0	6.3	10,059	117	64.7	6.81	11,370	799	2.7	6.74	47	4.3	6.75
	8:17	477	7.6	1,190	0	57.1	6.8	299	600	3.8	6.75	92	36.2	6.76
	8:32	468	6.7	11,976	810	59.8	6.78	2,902	888	6.4	6.75	8,382	25	6.75
	8:47	483	6.8	11,165	715	60	6.77	12,678	847	2.4	6.74	0	0	0
	9:02	488	7.1	10,815	714	62.1	6.77	12,306	820	3.4	6.73	0	0	0
	9:17	487	6.7	13,185	704	61.7	6.79	6,064	785	4.8	6.74	6,482	27.8	6.75
	9:32	481	7.1	10,282	667	60.5	6.78	12,124	811	2.5	6.75	0	6.3	6.76
	9:47	479	7.5	9,931	660	61	6.79	11,833	790	2.5	6.75	0	0	0
	10:02	484	7.2	12,672	804	60.9	6.8	7,466	761	4	6.75	3,834	28.6	6.76
	10:17	479	7.6	10,497	658	59.7	6.8	11,430	816	2.5	6.75	996	19	6.77
	10:32	476	8	9,921	670	60.8	6.79	11,804	789	2.3	6.75	0	0	0
	10:47	474	7.8	12,442	910	60.9	6.81	7,580	760	3.6	6.75	3,721	27.9	6.76
	11:02	475	8.1	10,654	664	60.8	6.8	11,632	813	2.7	6.75	747	16.1	6.76
	11:17	473	8.5	9,887	655	62	6.8	11,828	789	2.4	6.74	0	0	0
	11:32	481	8.1	12,075	787	62.2	6.81	8,451	767	3.5	6.75	2,978	29.5	6.75
	11:47	465	8.5	10,854	666	61.1	6.8	11,188	813	2.9	6.74	1,134	15.2	6.76
	12:02	0	7.8	9,905	677	61.8	6.8	11,831	787	2.6	6.73	0	0	0
	12:17	0	7.9	3,769	0	60.7	6.81	4,433	779	2.9	6.74	115	3.7	6.74
	12:32	0	6.2	8,218	995	58.9	6.82	5,416	795	4.9	6.75	2,049	19.9	6.75
	12:47	485	5.7	10,883	647	54.6	6.82	10,949	796	3.5	6.76	1,132	11.8	6.76
	13:02	472	6	9,758	647	62.9	6.82	11,691	779	3	6.75	0	0	0
	13:17	476	5.9	11,445	940	66.9	6.84	9,486	774	3.9	6.77	2,380	23.9	6.77
	13:32	482	6.2	11,142	652	70.3	6.85	11,100	778	4.2	6.78	747	12.6	6.78
	13:47	465	6.7	9,794	651	73.3	6.85	11,695	778	3.7	6.78	0	0	0
	14:02	470	6.7	11,130	995	74	6.86	8,866	772	3.9	6.78	3,101	28.7	6.79
	14:17	0	6.5	11,385	660	72.1	6.86	10,362	800	4.8	6.79	1,803	10.3	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:32	0	5.6	9,746	657	70.3	6.86	11,645	775	3.9	6.78	0	0	0
	14:47	0	5.7	3,084	0	65.5	6.87	3,492	776	4	6.79	193	4.1	6.78
	15:32	476	5.5	7,170	995	71.5	6.92	6,320	812	4.6	6.79	1,353	27.4	6.8
	15:47	478	5.4	11,850	652	70.4	6.9	9,429	788	4.8	6.81	2,565	12.9	6.81
	16:02	476	5.8	9,637	656	75.9	6.89	11,539	768	3.7	6.81	0	0	0
	16:17	481	6.1	10,047	995	81	6.9	10,877	763	4	6.81	646	42.5	6.81
	16:32	475	6.1	12,412	636	79.8	6.91	8,316	810	5.3	6.82	4,120	20.5	6.82
	16:47	481	6.6	9,626	626	82.8	6.9	11,533	769	3.7	6.81	0	0	0
	17:02	476	6.9	9,693	995	80.1	6.9	11,450	766	1.6	6.81	0	0	0
	17:17	472	6.9	12,455	645	77.9	6.9	8,248	783	3	6.82	3,841	25.2	6.82
	17:32	472	7.4	9,602	636	77.6	6.9	11,515	767	0.9	6.81	0	0	0
	17:47	0	6.2	9,557	995	75.4	6.91	11,466	764	1.1	6.82	0	0	0
	18:02	0	5.7	8,345	0	69.6	6.92	3,520	743	4.6	6.83	3,319	24.8	6.82
	18:32	480	6.2	501	726	123.7	6.95	560	709	2.4	6.83	13	1.3	6.83
	18:47	483	6.3	9,855	624	71.5	6.94	11,790	786	1	6.83	0	0	0
	19:02	478	6.6	9,447	634	77.7	6.92	11,336	757	0.7	6.82	0	0	0
	19:17	478	6.6	12,281	647	78.5	6.91	8,230	749	2.5	6.81	3,259	26.2	6.81
	19:32	469	7	9,599	640	81	6.89	11,474	767	1.2	6.8	0	0	0
	19:47	473	7.5	9,402	626	83.5	6.88	11,312	753	1.2	6.78	0	0	0
	20:02	481	7.5	11,897	869	83.2	6.88	7,430	747	2.7	6.78	4,068	24.7	6.78
	20:17	0	7.5	10,199	620	83.1	6.87	11,243	775	1.4	6.77	499	10.9	6.78
	20:32	0	6.6	9,348	620	79.9	6.85	11,156	748	1.5	6.76	0	0	0
	20:47	0	5.6	10,704	65	74.4	6.86	6,973	736	2.3	6.77	3,775	22.3	6.77
	21:02	286	5.6	133	0	68.3	6.86	0	0	0	0	0	5.9	6.77
	21:32	461	7.6	6,490	616	70.6	6.86	7,706	793	2.3	6.77	0	6.5	6.78
	21:47	468	7.9	9,299	604	72	6.86	11,167	745	1.4	6.78	0	0	0
	22:02	464	8.3	9,255	995	74.2	6.86	11,110	743	2.6	6.77	0	0	0
	22:17	476	8.1	12,777	625	73.5	6.85	6,554	792	3.2	6.77	5,612	26.1	6.77
	22:32	450	8.6	9,252	611	77.9	6.83	11,128	744	1.4	6.75	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:47	0	8.3	9,207	603	78.4	6.82	11,107	740	3.1	6.73	0	0	0
	23:02	0	6.7	12,725	612	74.8	6.81	6,651	783	3.8	6.73	5,353	25.3	6.73
	23:17	0	5.6	9,165	616	66.4	6.81	11,044	736	1.2	6.73	0	0	0
	23:32	464	6.3	2,874	0	64.2	6.81	3,467	733	1.5	6.73	0	1.6	6.73
	23:47	472	7.6	210	712	95.6	6.83	154	527	1.8	6.73	93	1.5	6.74
AVERAGES/TOTALS		469	6.72	878,288	736	70.0	6.84	823,953	795	2.9	6.77	132,937	20.7	6.78
MAXIMUM		488	8.60	13,717	995	123.7	6.95	12,844	888	6.4	6.83	8,382	47.2	6.83
MINIMUM		286	5.40	133	65	54.6	6.77	154	527	0.7	6.73	13	1.3	6.73
8/17/2020														
	0:02	457	7.5	10,445	995	77.1	6.82	9,891	761	2.5	6.73	1,570	43.4	6.73
	0:17	477	7.5	11,925	627	77.1	6.8	7,824	785	2.6	6.72	4,134	17.9	6.73
	0:32	469	8.1	9,152	598	79.4	6.79	11,012	733	2.4	6.71	0	0	0
	0:47	472	8.4	9,583	995	80.3	6.78	10,150	725	4.5	6.71	773	48.7	6.71
	1:02	476	8.4	12,313	620	79.7	6.78	7,136	788	3	6.71	4,982	23.2	6.72
	1:17	0	8.7	9,142	597	81	6.77	10,938	730	2.8	6.7	0	0	0
	1:32	0	7.6	9,205	995	79.5	6.77	10,798	723	4.8	6.7	0	0	0
	1:47	0	6.1	12,591	592	76.2	6.78	6,045	777	3.2	6.71	5,924	26.8	6.71
	2:02	474	6.2	6,867	0	71.4	6.78	8,289	720	1.7	6.71	0	2.1	6.71
	2:17	475	7.2	2,139	607	81.8	6.79	2,468	812	4.1	6.7	67	1.8	6.71
	2:32	484	7.5	9,080	995	79.5	6.79	10,868	725	2.8	6.72	0	0	0
	2:47	474	7.3	12,644	601	80.4	6.79	5,979	771	3.6	6.73	5,897	27	6.73
	3:02	469	7.9	8,999	600	82.6	6.78	10,792	719	2.4	6.72	0	0	0
	3:17	476	8.4	8,958	841	84.8	6.78	10,747	718	4.8	6.72	0	0	0
	3:32	466	8.2	12,655	597	85.6	6.79	5,677	764	4.7	6.73	6,187	28.2	6.73
	3:47	461	8.8	8,938	594	87.2	6.78	10,777	718	2.8	6.72	0	0	0
	4:02	0	8.1	8,914	588	87.6	6.77	10,731	714	5.3	6.71	0	0	0
	4:17	0	6.4	12,607	604	85.6	6.78	5,434	757	5.3	6.72	6,324	28.6	6.72
	4:32	0	5.6	8,880	73	82.9	6.78	10,666	710	2.1	6.72	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:47	475	7	1,052	754	81.9	6.78	1,240	705	2.8	6.72	26	2.9	6.71
	5:02	478	7.1	9,411	617	98.8	6.78	8,911	750	3.8	6.72	2,242	13.9	6.72
	5:17	469	6.9	12,789	584	60.5	6.78	5,885	785	4.2	6.73	6,034	27.6	6.73
	5:32	475	7.4	8,838	592	63.8	6.78	10,597	710	2.3	6.73	0	0	0
	5:47	470	7.9	9,247	867	66.3	6.78	10,443	694	5.1	6.73	0	0	0
	6:02	467	7.6	13,777	617	66.6	6.79	5,450	770	5.1	6.75	7,057	30.5	6.74
	6:17	473	8.1	9,229	614	67.9	6.78	11,065	737	1.8	6.73	0	0	0
	6:32	469	8.6	9,213	634	70.1	6.78	11,034	736	3	6.73	0	0	0
	6:47	474	8	13,733	924	69.6	6.79	4,164	763	5.6	6.73	8,154	23.9	6.73
	7:02	467	8.4	10,573	590	67.6	6.78	10,670	758	1.7	6.73	957	12.8	6.73
	7:17	0	7.6	9,223	628	66.9	6.78	11,106	739	1.3	6.72	0	0	0
	7:32	0	5.8	13,001	995	63.4	6.78	7,209	708	3.3	6.73	4,003	31.1	6.73
	7:47	467	6.9	5,219	0	60	6.78	2,752	856	3.4	6.73	2,542	22.4	6.73
	8:02	468	7	7,228	995	66	6.79	8,642	757	1	6.73	0	0.7	6.73
	8:17	475	6.5	13,910	834	66.4	6.79	4,336	910	1.9	6.76	9,132	11.4	6.75
	8:32	479	6.4	12,831	878	69.1	6.81	14,215	945	2.9	6.76	0	0	0
	8:47	470	6.2	13,372	995	69.8	6.82	12,419	994	4.6	6.77	2,161	33	6.77
	9:02	473	6.1	12,726	694	70.8	6.82	7,192	876	2.3	6.77	6,560	10.2	6.77
	9:17	477	6.5	10,296	672	71.9	6.84	12,348	824	2.1	6.79	0	0	0
	9:32	473	6.7	10,531	995	70.3	6.86	12,004	814	2.9	6.81	200	38.9	6.82
	9:47	465	7.1	8,724	995	63.5	6.86	0	0	4.6	6.82	1,346	15	6.82
	10:02	0	6.4	13,128	15	63.2	6.86	2,750	923	1.6	6.82	9,673	6.1	6.82
	10:17	0	6.8	1,149	0	61.4	6.87	1,249	844	1.2	6.82	74	1.2	6.82
	14:32	499	6.3	8,079	868	66.3	6.93	0	0	0	0	6,782	4.2	6.83
	14:47	482	6.2	12,082	958	45.8	6.93	11,366	814	1.2	6.83	928	1.3	6.83
	15:02	496	6.3	11,585	665	53.3	6.92	11,417	761	1.4	6.83	0	0	0
	15:17	485	6.8	10,141	678	59.1	6.91	11,876	792	0.9	6.82	0	0	0
	15:32	480	7	10,783	995	63.4	6.9	10,446	789	1.3	6.81	1,421	42.1	6.81
	15:47	489	7.1	12,111	668	64.1	6.9	10,136	826	1.7	6.81	2,437	22.5	6.81

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:02	484	7.5	10,173	669	64.4	6.9	11,960	799	1.1	6.81	0	0	0
	16:17	483	7.8	10,529	991	66.6	6.9	11,343	792	1.4	6.81	682	32.8	6.8
	16:32	490	8	12,159	703	66.2	6.9	10,560	802	2.9	6.81	1,572	23.4	6.8
	16:47	482	8.4	10,228	692	66.9	6.9	12,037	798	1.7	6.8	0	0	0
	17:02	492	8.7	10,275	995	68.2	6.9	11,927	795	2	6.79	0	0	0
	17:17	476	8.7	12,828	670	71.6	6.9	8,360	814	3.5	6.79	4,005	24.3	6.79
	17:32	0	8.5	10,230	697	68.9	6.89	11,982	799	2	6.78	0	0	0
	17:47	0	7.3	10,181	995	65.2	6.89	11,889	795	2.4	6.77	0	0	0
	18:02	480	6.3	14,145	995	64.9	6.89	5,402	804	5	6.78	6,836	28.3	6.78
	18:17	484	5.9	14,189	716	65.6	6.89	10,027	743	3.2	6.78	1,356	17.5	6.78
	18:32	498	6.2	10,414	995	69.5	6.89	11,971	796	1.2	6.78	0	0	0
	18:47	475	6.1	12,876	687	74.8	6.9	9,066	787	2.2	6.8	2,768	18.6	6.79
	19:02	481	6.5	10,253	689	96	6.9	12,062	801	1.4	6.79	0	0	0
	19:17	487	7	10,189	674	73.7	6.92	12,004	799	1.8	6.8	0	0	0
	19:32	480	6.9	12,638	920	82	6.92	9,994	770	3.6	6.81	1,756	27.3	6.81
	19:47	492	7	12,192	693	79.1	6.9	10,360	782	3.5	6.8	1,668	28.6	6.79
	20:02	485	7.4	10,270	681	79.2	6.89	11,968	798	1.6	6.78	0	0	0
	20:17	479	7.3	12,808	914	82.1	6.88	9,691	765	3.6	6.78	1,943	23.1	6.78
	20:32	476	7.6	11,223	674	77.6	6.88	10,295	822	2	6.78	2,345	15.8	6.78
	20:47	476	8	10,264	701	79.7	6.86	11,969	800	2	6.77	0	0	0
	21:02	471	7.8	12,801	995	84.7	6.86	9,091	762	3.4	6.77	2,432	35.1	6.77
	21:17	475	7.9	12,120	671	77.8	6.85	9,702	789	2.6	6.77	2,424	31	6.77
	21:32	476	8.4	10,251	663	79.3	6.85	11,988	800	1.5	6.76	0	0	0
	21:47	492	8.3	12,608	995	81.4	6.84	9,826	770	3.4	6.76	1,931	25.3	6.76
	22:02	482	8.5	11,335	682	80.5	6.84	10,344	810	2	6.76	2,059	27.2	6.77
	22:17	470	8.4	10,253	679	80.3	6.83	11,944	795	2	6.75	0	0	0
	22:32	489	8.2	12,683	995	79	6.83	9,061	767	3.9	6.75	2,735	27.2	6.75
	22:47	492	8	13,289	681	83.2	6.83	8,834	804	3.6	6.75	3,622	23.5	6.75
	23:02	487	8.5	10,278	677	78.4	6.82	11,988	796	1.5	6.74	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:17	473	8.3	12,483	899	82	6.82	7,438	765	2.6	6.74	3,880	27.9	6.75
	23:32	474	8.6	10,917	684	81.3	6.82	11,673	805	2.1	6.75	498	11.5	6.76
	23:47	472	8.5	10,242	684	80.6	6.81	11,940	797	1.6	6.73	0	0	0
	AVERAGES/TOTALS	478	7.41	846,342	747	73.7	6.83	735,840	783	2.8	6.76	152,099	21.8	6.76
	MAXIMUM	499	8.80	14,189	995	98.8	6.93	14,215	994	5.6	6.83	9,673	48.7	6.83
	MINIMUM	457	5.60	1,052	15	45.8	6.77	1,240	694	0.9	6.70	26	0.7	6.71
8/18/2020														
	0:02	477	8.3	12,170	993	83.3	6.81	7,973	778	2.5	6.74	3,512	30.8	6.74
	0:17	472	8.4	11,230	677	80.3	6.81	11,047	803	2.4	6.74	1,096	11.1	6.74
	0:32	0	7.6	10,224	680	78.5	6.81	11,968	797	1.5	6.73	0	0	0
	0:47	477	7.5	11,860	995	81	6.81	8,346	779	2.3	6.74	3,134	33	6.74
	1:02	491	7.6	11,516	685	78.7	6.82	10,595	801	2.6	6.75	1,461	11.1	6.75
	1:17	486	8	10,213	689	79.4	6.81	11,983	796	1.5	6.74	0	0	0
	1:32	473	8	11,550	995	83.3	6.81	8,952	783	2.1	6.74	2,571	34.4	6.74
	1:47	493	7.8	13,386	683	83.5	6.82	8,703	772	3.7	6.75	3,130	15.4	6.76
	2:02	480	8.3	10,204	679	81.5	6.81	11,884	795	1.6	6.74	0	0	0
	2:17	484	7.3	11,194	995	87	6.81	9,660	786	2	6.73	2,098	40.8	6.74
	2:32	492	7.2	12,221	688	81.9	6.81	9,326	794	2.9	6.75	2,609	13.6	6.74
	2:47	475	7.6	10,137	698	84.8	6.81	11,882	792	1.6	6.74	0	0	0
	3:02	487	7.7	10,880	995	88.8	6.81	10,353	784	2.1	6.74	1,329	47.1	6.74
	3:17	482	7.6	12,594	663	88	6.81	8,003	800	2.9	6.75	3,906	18.6	6.75
	3:32	476	8.1	10,178	681	86.4	6.79	11,855	793	1.7	6.74	0	0	0
	3:47	478	8.3	10,531	995	89.7	6.79	11,195	783	2.3	6.73	565	45.8	6.73
	4:02	479	8.1	12,956	665	88.4	6.79	6,882	804	2.9	6.74	4,994	24	6.74
	4:17	473	8.6	10,153	680	87.4	6.78	11,904	794	1.7	6.73	0	0	0
	4:32	475	8.8	10,218	995	89	6.78	11,802	794	2.6	6.72	0	0	0
	4:47	479	8.5	13,273	670	93.6	6.78	5,968	796	3.2	6.73	5,831	26.1	6.72
	5:02	0	8.8	10,159	685	89	6.76	11,918	793	1.9	6.71	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:17	0	7.6	10,119	995	89.3	6.76	11,890	790	2.8	6.7	0	0	0
	5:32	0	5.8	13,335	674	91	6.77	6,160	789	3.4	6.72	5,603	26.3	6.71
	5:47	484	6.8	4,524	0	84.1	6.77	5,308	785	1.6	6.72	29	1.9	6.72
	6:02	478	7	7,149	674	95.1	6.77	8,234	808	1.9	6.72	25	1.5	6.72
	6:17	0	6.2	9,389	995	76.3	6.78	10,571	797	1.8	6.72	328	5.1	6.71
	6:32	495	6.8	7,598	0	52.5	6.77	2,103	708	4.6	6.72	3,559	23	6.73
	6:47	485	7	7,130	685	59.3	6.77	8,133	814	1.7	6.73	95	3.4	6.73
	7:02	489	7.3	10,059	675	61.4	6.78	11,798	785	0.9	6.73	0	0	0
	7:17	480	7.4	10,492	995	69.2	6.79	10,898	771	1.8	6.74	553	46.8	6.74
	7:32	490	7.3	12,927	673	63	6.79	7,235	806	2.4	6.74	4,715	23.6	6.74
	7:47	485	7.7	10,070	675	62.7	6.78	11,691	781	1	6.72	0	0	0
	8:02	488	7.5	12,404	911	69.7	6.77	5,879	784	1.9	6.71	5,630	22	6.72
	8:17	489	7.7	11,455	674	64.2	6.78	9,222	822	1	6.73	3,366	8.6	6.73
	8:32	479	7.9	10,817	995	67.6	6.78	9,667	785	1.3	6.71	2,103	28.8	6.71
	8:47	470	7.7	12,760	652	66.3	6.78	6,416	834	1.5	6.74	5,733	13.5	6.73
	9:02	0	7.7	10,034	658	65.4	6.78	11,766	783	1.1	6.73	0	0	0
	9:17	0	6.4	10,409	995	64.4	6.79	10,979	768	2	6.74	510	47.8	6.74
	9:32	0	5.7	8,804	0	67.7	6.79	2,596	788	5.3	6.76	4,580	24.2	6.75
	10:02	494	6.7	1,714	710	115.9	6.8	1,929	863	1.7	6.75	28	1.4	6.76
	10:17	486	6.3	12,505	995	62	6.81	6,965	797	1.1	6.75	4,700	13.2	6.77
	10:32	0	6.4	12,488	0	66	6.82	6,564	849	1	6.78	6,801	5.2	6.78
	10:47	0	6.9	696	0	66.1	6.82	782	782	0.8	6.77	23	1	6.77
	11:47	485	6.2	10,292	854	91.9	6.83	0	0	0	0	8,300	10.4	6.77
	12:02	487	6	12,941	857	66.2	6.85	12,435	918	1	6.79	1,493	2.1	6.78
	12:17	480	5.6	13,592	995	77.6	6.87	8,903	914	1.9	6.81	3,941	19.9	6.82
	12:32	489	5.4	13,507	995	76.9	6.88	7,551	913	0.9	6.84	5,710	7.5	6.83
	12:47	499	6.2	11,501	0	81.3	6.9	697	924	1	6.84	8,886	9.8	6.85
	13:02	499	6.6	6,107	689	81.8	6.93	6,094	848	0.8	6.86	772	0.9	6.87
	13:17	483	6.9	10,240	673	73.6	6.95	11,835	785	0.5	6.89	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:32	487	7	11,128	995	74.7	6.97	9,605	766	0.6	6.91	1,766	32	6.91
	13:47	477	6.7	13,716	846	63.9	6.97	8,296	810	2.3	6.92	4,447	4.5	6.91
	14:02	480	6.8	12,613	837	64	6.99	13,732	914	0.7	6.93	0	0	0
	14:17	487	6.4	13,754	928	67	6.99	7,229	906	0.6	6.93	5,132	10.4	6.93
	14:32	494	6.7	11,300	683	64.6	6.99	10,420	814	1	6.92	1,777	3.3	6.92
	14:47	481	7.1	10,274	679	64.9	6.99	11,867	789	0.5	6.93	0	0	0
	15:02	491	7	11,969	995	64.7	7	10,027	756	1.3	6.93	1,311	16.5	6.93
	15:17	482	7.3	11,200	695	58	7	11,446	764	1.2	6.93	0	0	0
	15:32	476	7.7	10,319	699	59.1	6.99	11,904	790	0.5	6.93	0	0	0
	15:47	479	7.6	11,702	995	63.2	6.98	9,989	768	0.9	6.92	1,440	18.3	6.91
	16:02	478	7.7	11,545	708	57.8	6.98	11,253	759	1.7	6.9	185	9.5	6.91
	16:17	469	8.2	10,328	688	60.4	6.96	11,812	789	0.5	6.89	0	0	0
	16:32	0	7.2	11,398	995	63.1	6.96	9,506	775	0.7	6.88	1,971	27.8	6.88
	16:47	481	6.2	11,790	672	59	6.96	10,957	755	2	6.88	354	10.3	6.88
	17:02	481	6.5	10,262	687	58.4	6.96	11,797	787	0.5	6.88	0	0	0
	17:17	476	6.5	11,045	995	64.6	6.96	10,084	777	0.6	6.87	1,450	30.8	6.87
	17:32	476	6.5	12,108	680	66.1	6.96	10,515	763	2.1	6.88	913	15.3	6.88
	17:47	479	6.9	10,259	691	67.2	6.96	12,003	801	0.6	6.86	0	0	0
	18:02	479	7.1	10,728	995	76.6	6.95	11,160	792	0.7	6.86	717	48.7	6.86
	18:17	469	7	12,445	692	73	6.94	9,610	753	2.7	6.86	1,649	20.2	6.86
	18:32	474	7.4	10,247	687	74.7	6.93	12,076	802	0.7	6.85	0	0	0
	18:47	481	7.6	10,480	995	80.4	6.93	11,917	795	0.8	6.84	0	0	0
	19:02	464	7.5	12,732	694	82.7	6.93	8,390	762	2.9	6.84	2,895	27.3	6.84
	19:17	479	7.9	10,320	678	81.1	6.91	12,018	805	0.7	6.83	0	0	0
	19:32	0	7.7	10,275	995	85.7	6.91	12,053	804	1	6.83	0	0	0
	19:47	0	6	13,119	687	88.1	6.91	7,979	761	3.1	6.83	3,416	26.1	6.82
	20:02	0	5.8	7,393	0	80.6	6.9	8,575	800	0.7	6.83	42	0.8	6.82
	21:02	486	7	4,601	670	110.2	6.88	5,139	863	1	6.81	61	0.6	6.82
	21:17	482	7	10,530	995	89.1	6.89	11,737	790	0.8	6.82	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:32	493	6.7	13,134	694	50.2	6.89	8,198	801	3	6.82	3,577	24.3	6.82
	21:47	482	7.1	10,267	685	55.6	6.87	12,024	802	1	6.81	0	0	0
	22:02	473	7.4	10,275	995	59.9	6.87	12,080	807	1.6	6.81	0	0	0
	22:17	474	7.2	13,447	472	63.1	6.86	7,060	812	3	6.81	4,826	26.2	6.81
	22:32	0	7.9	5,862	0	144.6	6.81	1,973	752	1.4	6.81	4,633	2	6.74
	22:47	480	6.8	6,417	747	51.8	6.86	1,927	853	1.6	6.79	5,301	1.5	6.8
	23:02	482	6.9	10,515	995	49	6.87	12,388	824	1.5	6.81	0	0	0
	23:17	483	6.4	13,593	679	56.1	6.87	7,128	809	3.8	6.81	4,914	24.3	6.81
	23:32	487	6.8	10,267	683	56.5	6.86	12,204	812	1.1	6.8	0	0	0
	23:47	485	7.2	10,247	702	62.9	6.87	12,081	805	1.9	6.81	0	0	0
AVERAGES/TOTALS		482	7.18	945,509	795	74.4	6.86	816,659	801	1.7	6.80	166,496	18.3	6.79
MAXIMUM		499	8.80	13,754	995	144.6	7.00	13,732	924	5.3	6.93	8,886	48.7	6.93
MINIMUM		464	5.40	696	472	49.0	6.76	697	708	0.5	6.70	23	0.6	6.71
8/19/2020														
	0:02	484	6.8	13,408	713	62.9	6.88	6,906	803	3.6	6.82	5,048	26.3	6.81
	0:17	488	7.2	10,352	699	59.9	6.87	12,234	814	1.2	6.81	0	0	0
	0:32	479	7.6	10,232	670	62.5	6.86	12,113	808	2.1	6.81	0	0	0
	0:47	483	7.2	13,333	714	64.5	6.86	6,746	792	3.9	6.81	5,045	26.6	6.81
	1:02	484	7.6	10,372	698	60.6	6.86	12,125	811	1.3	6.8	0	0	0
	1:17	475	8	10,252	688	62.5	6.85	12,089	805	2.3	6.8	0	0	0
	1:32	0	6.2	13,229	715	65	6.85	6,668	779	4.1	6.8	5,015	27.4	6.8
	1:47	0	5.7	9,767	0	54	6.85	11,421	820	1.3	6.8	0	1.5	6.8
	3:02	480	7	8,804	676	63	6.85	10,153	846	1.4	6.78	89	1.2	6.78
	3:17	482	6.8	11,934	995	58.8	6.83	8,274	789	2.2	6.78	3,260	32.1	6.78
	3:32	472	6.8	11,852	689	58.4	6.83	10,650	836	2.2	6.78	1,964	16.5	6.78
	3:47	478	7.3	10,201	685	62.8	6.82	12,132	808	2.1	6.77	0	0	0
	4:02	488	7.3	11,652	995	67.3	6.83	8,737	792	3.6	6.77	2,971	34.2	6.77
	4:17	468	7.2	12,175	680	64.3	6.83	9,642	839	2.5	6.78	2,916	19.1	6.78

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:32	492	7.7	10,262	694	65.5	6.82	12,098	808	2.3	6.77	0	0	0
	4:47	478	7.7	11,341	995	67.9	6.82	9,558	794	4	6.76	2,223	42.6	6.76
	5:02	482	7.6	12,461	674	64.8	6.82	8,879	844	2.6	6.77	3,698	19.4	6.77
	5:17	480	8.1	10,260	672	66.4	6.81	12,151	808	2.4	6.76	0	0	0
	5:32	0	7.5	11,035	995	71.6	6.81	10,388	798	4.2	6.75	1,504	45.7	6.75
	5:47	0	5.9	12,720	679	61	6.81	8,180	840	2.8	6.76	4,199	22.3	6.75
	6:02	0	5.8	6,337	0	58.1	6.8	7,462	806	1.6	6.76	74	2.2	6.75
	7:02	485	7	5,781	673	74.3	6.8	5,276	879	3.2	6.78	1,182	24.4	6.81
	7:17	496	6.8	11,332	995	58.3	6.79	9,432	786	3.1	6.75	2,182	42.4	6.74
	7:32	487	6.7	12,585	671	58.8	6.79	8,812	840	3	6.74	3,586	17.8	6.75
	7:47	489	7.1	10,221	690	59.6	6.78	11,937	798	2.9	6.73	0	0	0
	8:02	486	7.3	11,045	995	71.3	6.78	10,181	785	4.6	6.73	1,442	46.7	6.73
	8:17	494	7.1	12,851	695	62.4	6.79	7,761	843	3.2	6.74	4,500	23.1	6.74
	8:32	475	7.5	10,189	674	63.2	6.78	12,033	800	2.9	6.74	0	0	0
	8:47	475	7.8	10,715	995	72	6.78	11,047	788	4.8	6.73	716	48.7	6.73
	9:02	472	7.4	13,116	681	62.3	6.79	6,997	851	3.4	6.74	5,364	25.4	6.74
	9:17	466	7	13,375	995	71.4	6.78	3,580	796	2.4	6.73	8,212	20	6.73
	9:32	480	6.2	14,925	899	62.5	6.79	0	0	0	0	10,791	11.6	6.74
	9:47	467	6.3	12,215	679	65.9	6.79	7,744	855	2.9	6.74	5,899	7.5	6.74
	10:02	476	6.1	12,955	995	69.9	6.81	7,072	743	4.4	6.75	4,000	27.1	6.75
	10:17	477	6.1	12,028	684	64.3	6.83	9,529	827	2.8	6.78	2,887	18.3	6.77
	10:32	470	6.6	10,202	686	65.2	6.84	11,900	792	2.1	6.79	0	0	0
	10:47	469	6.3	12,975	908	70.2	6.86	4,750	792	2.7	6.8	6,860	19.3	6.8
	11:02	456	6.5	11,337	663	65.6	6.86	10,450	836	1.8	6.81	2,488	8.5	6.81
	11:17	464	6.8	10,225	669	66.9	6.87	11,871	793	2	6.81	0	0	0
	11:32	461	6.5	12,554	898	75.1	6.88	7,142	757	3.3	6.81	4,010	27.9	6.81
	11:47	467	6.7	11,163	677	66.4	6.88	11,089	809	2.1	6.81	1,244	14.7	6.82
	12:02	468	7.1	10,212	679	68.4	6.88	11,842	790	1.8	6.81	0	0	0
	12:17	467	6.9	12,247	852	76.3	6.87	7,831	769	3.1	6.81	3,556	30.5	6.81

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:32	467	7.1	11,372	695	68.1	6.87	10,739	807	2.2	6.81	1,552	12.6	6.81
	12:47	473	7.3	10,221	682	70.2	6.87	11,810	788	1.7	6.8	0	0	0
	13:02	0	5.9	11,936	995	79.5	6.87	8,112	770	2.6	6.8	3,291	31.7	6.81
	13:17	0	5.9	6,952	0	66.5	6.87	4,678	816	3.4	6.81	2,018	12.8	6.81
	14:32	459	6.9	2,417	732	131.1	6.91	2,642	878	2.9	6.82	60	1.5	6.82
	14:47	479	7	10,423	678	63.3	6.91	11,831	789	1.5	6.81	0	0	0
	15:02	457	7.1	10,449	995	77.5	6.9	11,274	763	1.5	6.82	191	42.3	6.82
	15:17	472	6.7	13,480	704	87.5	6.9	5,216	868	1.2	6.82	6,983	15.8	6.82
	15:32	465	7.2	10,260	671	60.9	6.9	11,652	779	0.8	6.81	0	0	0
	15:47	449	7.5	10,233	995	64.4	6.9	11,601	779	1	6.81	0	0	0
	16:02	454	7.3	13,253	686	73.9	6.9	7,582	764	3.2	6.82	3,805	26.2	6.81
	16:17	463	7.4	10,862	995	68.8	6.91	10,071	773	0.8	6.81	1,565	23.2	6.8
	16:32	459	7.2	13,142	667	66.1	6.92	6,056	839	1.4	6.82	6,058	9.5	6.81
	16:47	453	7.5	10,259	684	65.8	6.93	11,559	772	0.8	6.83	0	0	0
	17:02	460	7.6	10,406	995	66.4	6.94	11,424	762	0.8	6.83	0	0	0
	17:17	452	7.4	12,855	706	70.5	6.94	8,479	749	3.1	6.85	2,737	28.8	6.84
	17:32	462	7.8	10,245	676	66	6.94	11,631	774	0.8	6.85	0	0	0
	17:47	456	8	10,269	995	67.7	6.95	11,535	773	0.8	6.85	0	0	0
	18:02	448	7.7	13,038	691	72.4	6.95	8,186	741	3.2	6.85	2,889	27.5	6.85
	18:17	462	8	10,309	689	67.3	6.94	11,605	774	0.8	6.85	0	0	0
	18:32	460	8.2	10,270	995	67.3	6.94	11,623	774	0.8	6.85	0	0	0
	18:47	0	6.6	13,141	693	70.7	6.94	6,095	810	2.2	6.85	5,527	16	6.85
	19:02	0	5.7	10,266	0	63.7	6.93	11,635	775	0.9	6.84	0	0	0
	19:17	0	5.7	368	0	61.2	6.93	391	781	0.9	6.83	26	2	6.84
	21:02	467	7	3,440	713	97.2	6.92	3,689	863	2.1	6.83	106	0.7	6.83
	21:17	477	6.9	11,200	995	63.1	6.92	9,793	769	0.9	6.82	1,601	36.7	6.82
	21:32	462	6.9	12,486	689	62.4	6.9	9,575	783	2.7	6.82	2,111	14.5	6.82
	21:47	464	7.2	10,195	671	66.3	6.89	11,750	782	0.9	6.81	0	0	0
	22:02	453	7.2	10,767	995	73.5	6.88	10,608	770	1.5	6.81	880	48.9	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:17	460	7.1	12,963	684	72.5	6.87	7,890	805	2.9	6.79	4,142	20.9	6.79
	22:32	462	7.4	10,244	678	73.7	6.86	11,819	787	1.2	6.78	0	0	0
	22:47	457	7.5	10,460	995	76.9	6.86	11,397	773	2.3	6.78	186	30.4	6.78
	23:02	464	7.2	13,290	696	79.9	6.86	6,780	819	2.9	6.79	5,321	26.5	6.79
	23:17	452	7.5	10,217	686	79.6	6.85	11,759	785	1.3	6.78	0	0	0
	23:32	451	7.7	10,219	995	81.6	6.86	11,762	787	2.5	6.78	0	0	0
	23:47	446	7.3	13,547	686	84.8	6.86	6,214	802	3.1	6.79	5,661	27.2	6.79
	AVERAGES/TOTALS	470	7.04	861,681	781	68.6	6.86	727,345	800	2.3	6.79	163,635	22.8	6.79
	MAXIMUM	496	8.20	14,925	995	131.1	6.95	12,234	879	4.8	6.85	10,791	48.9	6.85
	MINIMUM	446	5.70	368	663	54.0	6.78	391	741	0.8	6.73	26	0.7	6.73
8/20/2020														
	0:02	107	7.5	10,214	690	83.3	6.86	11,799	788	1.4	6.79	0	0	0
	0:17	0	6.2	10,216	995	71	6.86	11,818	787	2.1	6.79	0	0	0
	0:32	0	5.6	6,860	0	81.8	6.86	1,201	701	3	6.79	3,867	22.6	6.8
	1:47	462	7	3,626	740	81.3	6.85	2,506	897	3.2	6.8	1,503	15.9	6.8
	2:02	451	7.2	10,384	668	55.2	6.86	12,026	804	1.4	6.8	0	0	0
	2:17	451	8.2	8,166	79	87.2	6.85	6,792	762	2.2	6.8	2,518	16.8	6.8
	2:32	0	8.8	1,356	97	54	6.85	0	0	0	0	1,654	0.8	6.79
	2:47	0	8.6	1,404	95	54.4	6.85	0	0	0	0	1,707	0.7	6.78
	3:02	0	8.5	1,334	88	54.6	6.85	0	0	0	0	1,645	0.7	6.77
	3:17	0	8.9	1,349	93	53	6.85	0	0	0	0	1,658	0.8	6.77
	3:32	473	8.5	1,977	891	59.1	6.85	0	0	0	0	2,327	0.8	6.77
	3:47	462	8	14,016	909	56.4	6.84	3,058	840	5.4	6.78	9,750	22.4	6.78
	4:02	438	8.1	11,500	678	55.2	6.83	11,338	823	2	6.78	1,244	17.5	6.78
	4:17	440	8.3	10,176	667	58	6.83	11,800	786	1.9	6.78	0	0	0
	4:32	434	7.9	12,199	995	63.8	6.84	7,525	770	3.2	6.78	3,931	30.9	6.78
	4:47	443	8	11,719	687	59.7	6.85	10,692	823	2.1	6.79	1,807	17.4	6.79
	5:02	432	8.3	10,210	683	61	6.85	11,899	791	1.8	6.8	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:17	443	7.9	11,870	995	65.2	6.85	7,876	772	3.1	6.8	3,507	34	6.8
	5:32	443	7.9	12,026	690	62	6.85	9,972	824	2.4	6.8	2,548	17.4	6.8
	5:47	431	8.2	10,229	676	63.5	6.85	11,920	792	2	6.79	0	0	0
	6:02	427	7.9	11,562	995	68.2	6.85	8,755	780	3.4	6.79	2,803	37.6	6.79
	6:17	430	7.8	12,295	692	64	6.85	9,079	822	2.5	6.8	3,287	19.2	6.8
	6:32	425	8	10,217	692	63.7	6.84	11,825	790	2.1	6.79	0	0	0
	6:47	421	7.8	11,228	995	67.2	6.85	9,490	775	3.6	6.79	2,071	45.9	6.79
	7:02	437	7.7	12,594	685	63	6.84	8,206	823	2.7	6.79	4,019	19.3	6.79
	7:17	433	7.9	10,168	683	64.7	6.83	11,828	788	2.3	6.78	0	0	0
	7:32	424	7.8	10,921	995	68.3	6.83	10,309	777	4.1	6.78	1,314	49.1	6.78
	7:47	416	7.2	14,169	910	64.8	6.83	712	939	3	6.79	12,627	12.2	6.79
	8:02	431	7.4	11,226	665	63.9	6.83	10,434	821	2.9	6.77	2,239	3.5	6.78
	8:17	426	7.3	10,562	995	66.9	6.83	11,015	775	4.1	6.77	553	45.8	6.77
	8:32	427	7	13,223	691	63.8	6.83	6,664	834	3.1	6.79	5,533	27.3	6.78
	8:47	432	7.2	10,149	669	62	6.84	11,874	787	2	6.79	0	0	0
	9:02	438	7.3	10,241	995	63.7	6.85	11,683	784	3.4	6.79	0	0	0
	9:17	434	7.1	13,464	139	64.8	6.86	5,990	814	3.4	6.8	6,061	28	6.8
	9:32	428	6.5	12,445	763	65.7	6.85	1,081	850	2.3	6.8	9,586	13.6	6.8
	9:47	413	6.6	10,505	673	63.8	6.86	12,137	808	1.9	6.8	0	0	0
	10:02	423	6.1	13,469	694	66	6.88	6,230	787	3.8	6.81	5,570	25.8	6.81
	10:17	419	6.2	10,206	666	63.6	6.89	11,806	788	1.6	6.83	0	0	0
	10:32	414	6.3	10,112	678	65.9	6.9	11,715	781	2.2	6.84	0	0	0
	10:47	404	5.9	13,328	714	65.5	6.92	6,246	778	3.7	6.85	5,449	25.9	6.85
	11:02	393	6	10,290	665	61.9	6.91	11,862	792	1.5	6.86	0	0	0
	11:17	412	6.1	10,128	686	63.5	6.9	11,822	785	1.9	6.84	0	0	0
	11:32	404	5.5	13,220	734	65.5	6.92	6,129	761	3.6	6.85	5,408	26.1	6.85
	11:47	399	5.7	10,389	679	63	6.91	11,943	796	1.6	6.85	0	0	0
	12:02	404	5.7	10,150	713	68.6	6.9	11,722	782	1.9	6.84	0	0	0
	12:17	401	5.2	13,005	776	70.4	6.9	6,165	753	3.5	6.84	5,165	27	6.84

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:32	412	6.1	5,353	786	65.8	6.9	5,497	822	2	6.84	546	7.7	6.84
	12:47	407	6.1	10,431	687	67.5	6.9	11,907	794	1.8	6.83	0	1.3	6.83
	13:02	400	6	10,397	995	66.9	6.91	11,360	771	2	6.84	175	30.6	6.84
	13:17	0	5.8	10,182	0	68	6.92	3,576	794	4.8	6.84	4,870	24.8	6.84
	14:02	0	5.8	1,043	0	122.7	6.93	0	0	0	0	1,141	2.1	6.84
	14:17	492	5.7	105	804	67.1	6.92	0	0	0	0	117	1.8	6.83
	14:32	485	5.6	5,198	995	76.5	6.92	0	0	0	0	4,391	4.9	6.82
	14:47	486	5.7	12,551	689	65.4	6.93	7,976	839	2.2	6.84	4,120	6.8	6.82
	15:02	496	6.1	10,146	692	65.7	6.93	11,670	777	1.3	6.84	0	0	0
	15:17	490	6.2	10,872	995	69.3	6.94	9,870	774	1.5	6.85	1,665	32.3	6.85
	15:32	482	6.2	12,734	676	67.9	6.94	7,986	803	2.6	6.86	3,908	14.2	6.85
	15:47	489	6.6	10,197	673	68.3	6.95	11,661	779	1.3	6.86	0	0	0
	16:02	479	6.8	10,570	995	71.2	6.96	10,958	767	1.5	6.86	530	47.8	6.87
	16:17	481	6.6	12,910	677	71.6	6.96	8,523	778	3.4	6.88	3,086	23.7	6.87
	16:32	472	7	10,209	686	73.2	6.96	11,650	778	1.3	6.87	0	0	0
	16:47	471	7.2	10,263	995	73.8	6.96	11,533	775	1.4	6.86	0	0	0
	17:02	0	6.8	13,209	687	75.4	6.96	7,811	759	3.6	6.87	3,601	26.2	6.87
	17:17	0	5.5	10,205	678	73.8	6.96	11,656	774	1.3	6.88	0	0	0
	17:32	0	5.6	2,201	0	73.9	6.96	2,480	768	1.3	6.87	3	1.6	6.87
	18:17	476	5.2	12,901	845	80.8	6.97	4,717	900	1.8	6.87	6,820	9.9	6.87
	18:32	474	5.2	12,970	911	73.2	6.96	13,810	921	1.5	6.87	0	0	0
	18:47	487	5.2	13,246	871	79.5	6.96	14,381	959	2.6	6.86	0	0	0
	19:02	487	7	2,488	0	79.3	6.96	2,097	930	3.5	6.86	48	45.7	6.86
	19:17	485	7	9,722	710	67.7	6.96	6,939	846	1.6	6.86	3,107	33.2	6.86
	19:32	479	7.4	10,363	674	60.4	6.97	11,879	788	1.3	6.87	0	0	0
	19:47	478	7.8	10,314	677	58.8	6.97	11,879	792	2	6.88	0	0	0
	20:02	484	7.5	13,265	697	60.9	6.96	7,469	781	3.7	6.88	4,385	28.1	6.88
	20:17	483	7.9	10,477	683	54.8	6.96	11,907	796	0.7	6.87	0	0	0
	20:32	478	8.2	10,376	695	54	6.96	11,889	791	0.7	6.87	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:47	485	7.9	13,205	694	56.8	6.95	7,678	799	2.8	6.87	4,482	26.1	6.87
	21:02	475	8.3	10,511	698	52.2	6.94	11,968	800	0.8	6.87	0	0	0
	21:17	0	7.1	10,387	688	53.3	6.93	11,940	795	1.2	6.86	0	0	0
	21:32	0	5.6	13,040	0	52.7	6.93	7,419	805	3.4	6.85	5,181	23.3	6.85
	21:47	0	5.6	398	0	49.3	6.93	453	889	2.6	6.85	3	1.8	6.85
	22:32	487	7	643	809	102.2	6.92	614	772	1.9	6.85	86	1	6.85
	22:47	488	7.3	10,825	697	47.5	6.92	12,426	827	1.3	6.84	0	0	0
	23:02	473	7.7	10,347	682	48.2	6.91	11,961	793	2	6.84	0	0	0
	23:17	482	7.3	13,324	773	52.5	6.89	6,381	770	3.7	6.83	5,417	26.8	6.82
	23:32	478	7.7	10,684	696	51.1	6.88	12,256	819	1	6.82	0	0	0
	23:47	471	8.1	10,366	701	54.9	6.87	11,970	797	1.4	6.81	0	0	0
	AVERAGES/TOTALS	445	6.98	838,725	716	65.7	6.90	707,091	803	2.4	6.83	169,033	19.7	6.82
	MAXIMUM	496	8.90	14,169	995	122.7	6.97	14,381	959	5.4	6.88	12,627	49.1	6.88
	MINIMUM	107	5.20	105	79	47.5	6.83	453	701	0.7	6.77	3	0.7	6.77
8/21/2020														
	0:02	486	7.7	13,164	784	59.5	6.87	6,346	764	3.3	6.81	5,364	27	6.81
	0:17	480	8.1	10,812	693	56.7	6.86	12,147	826	1.2	6.8	249	8.1	6.82
	0:32	0	7	10,357	692	59.4	6.86	11,965	800	1.8	6.8	0	0	0
	0:47	0	5.6	12,029	0	61.3	6.86	6,136	770	3.3	6.8	4,564	25.2	6.8
	1:47	488	7.1	7,708	688	60.3	6.86	8,824	847	2	6.8	0	3.6	6.8
	2:02	477	7.4	10,339	682	55.1	6.86	11,961	798	1.1	6.8	0	0	0
	2:17	479	7.5	10,956	995	60.1	6.85	10,627	786	2.2	6.8	1,146	48.8	6.78
	2:32	482	7.4	13,008	695	62.2	6.85	8,007	831	2.5	6.78	4,252	20.6	6.79
	2:47	475	7.8	10,360	676	60.7	6.84	11,939	800	1.4	6.78	0	0	0
	3:02	476	7.9	10,657	995	64.8	6.83	11,468	790	3	6.77	376	44.6	6.77
	3:17	477	7.7	13,286	681	64.4	6.83	6,769	846	2.8	6.77	5,608	25.8	6.77
	3:32	469	8	10,372	698	65.4	6.83	12,016	804	1.6	6.77	0	0	0
	3:47	0	7.2	10,330	995	67.8	6.83	12,058	802	3.3	6.77	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:02	0	5.6	13,509	0	68.7	6.83	6,392	818	3	6.77	5,745	27	6.77
	4:17	0	5.7	758	0	65.7	6.83	816	799	1.2	6.77	110	2.1	6.77
	5:17	478	7.1	8,352	682	70.9	6.82	9,494	841	1.5	6.76	54	0.9	6.76
	5:32	479	7.5	10,302	675	67.1	6.82	11,997	799	1.6	6.76	0	0	0
	5:47	468	7.1	13,447	713	72	6.82	6,441	800	3.4	6.76	5,729	26.7	6.76
	6:02	467	7.4	10,467	697	69.7	6.8	12,169	812	1.1	6.75	0	0	0
	6:17	471	7.8	10,336	677	74.4	6.8	11,987	800	2	6.74	0	0	0
	6:32	463	7.4	13,354	749	78.6	6.8	6,138	788	3.8	6.75	5,811	27	6.75
	6:47	455	7.7	10,620	704	76.7	6.8	12,294	819	1.2	6.75	0	0	0
	7:02	467	8	10,346	666	80	6.8	11,988	801	2	6.74	0	0	0
	7:17	467	7.7	13,183	796	73.6	6.81	6,750	727	2.8	6.75	4,676	23.3	6.75
	7:32	468	8	10,734	680	52	6.82	12,353	827	0.9	6.76	0	6.1	6.75
	7:47	0	6.7	10,345	706	54.8	6.82	11,946	799	1.4	6.75	0	0	0
	8:02	0	5.2	13,130	0	57.5	6.82	6,256	780	3.5	6.76	5,438	26.1	6.75
	9:02	478	6.9	33	834	57.9	6.82	0	0	0	0	33	1	6.74
	9:17	475	7.2	10,860	698	55.2	6.82	12,449	828	0.7	6.75	0	1	6.74
	9:32	475	7.5	10,293	699	50.8	6.83	11,879	795	0.8	6.76	0	0	0
	9:47	475	7.1	13,183	788	57.4	6.82	6,293	756	2.8	6.76	5,322	26.2	6.76
	10:02	470	7.5	10,788	684	56	6.81	12,413	827	0.9	6.76	0	6.1	6.76
	10:17	468	7.8	10,305	698	63.8	6.81	11,962	798	1.5	6.75	0	0	0
	10:32	458	7.4	12,983	828	69.4	6.82	6,341	770	3.4	6.74	5,187	28.8	6.74
	10:47	475	7.8	11,026	689	65.1	6.8	11,621	831	1.1	6.74	995	17.1	6.75
	11:02	464	8.1	10,332	682	66.6	6.8	11,970	800	1.9	6.74	0	0	0
	11:17	474	7.7	12,706	918	73.4	6.8	6,535	775	3.5	6.74	4,900	30.2	6.74
	11:32	478	8	11,290	694	64.5	6.8	11,400	825	1.5	6.74	1,244	19	6.74
	11:47	469	8.4	10,323	695	67.5	6.8	12,013	801	1.7	6.73	0	0	0
	12:02	469	8	12,396	909	71.3	6.8	7,176	778	3.3	6.74	4,384	32	6.74
	12:17	469	8.3	11,538	686	64.7	6.8	10,701	825	1.6	6.74	1,815	18.1	6.74
	12:32	469	8.6	10,346	695	66	6.8	11,982	800	1.6	6.73	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:47	456	8.3	12,078	995	71.1	6.8	7,615	783	2.9	6.73	3,909	33.2	6.73
	13:02	470	8.5	11,782	677	63.5	6.8	10,058	819	1.9	6.74	2,420	17.8	6.74
	13:17	463	8.8	10,346	694	63.7	6.8	12,038	799	1.5	6.73	0	0	0
	13:32	0	7.6	11,811	995	69.1	6.8	8,369	782	2.6	6.73	3,297	34.2	6.74
	13:47	0	6	12,040	674	60.5	6.8	9,837	818	2	6.74	2,564	19	6.74
	14:02	0	5.8	5,128	0	58.5	6.8	5,973	795	0.9	6.74	0	1.6	6.73
	14:32	473	7.1	5,850	674	61.5	6.8	6,601	845	1.5	6.73	80	0.8	6.73
	14:47	476	6.9	11,615	995	59.3	6.83	8,995	778	1.4	6.75	2,631	34.3	6.75
	15:02	455	7	12,237	695	56.4	6.84	9,574	821	2	6.77	2,733	18.4	6.77
	15:17	468	7.3	10,308	686	60	6.86	11,878	793	0.8	6.78	0	0	0
	15:32	468	7.3	11,299	995	67.4	6.87	9,552	778	1.2	6.8	2,047	41.7	6.81
	15:47	465	7.3	12,493	696	61.5	6.89	9,321	811	2.3	6.81	2,863	16.4	6.81
	16:02	472	7.6	10,275	686	64.1	6.89	11,928	794	0.7	6.81	0	0	0
	16:17	461	7.6	11,000	995	69.3	6.89	10,348	781	1.2	6.82	1,322	46.8	6.82
	16:32	463	7.5	12,734	685	64.6	6.9	8,574	809	2.4	6.83	3,643	19.7	6.82
	16:47	454	7.8	10,298	699	65.4	6.9	11,900	796	0.7	6.83	0	0	0
	17:02	448	7.9	10,713	995	69.6	6.9	11,107	780	1.1	6.84	569	45.8	6.84
	17:17	461	7.7	13,034	666	68.5	6.9	7,656	803	2.6	6.84	4,363	23.8	6.84
	17:32	465	8.1	10,274	679	66.6	6.89	11,981	798	0.8	6.84	0	0	0
	17:47	462	8.2	10,374	995	69.3	6.89	11,993	797	1.3	6.83	0	0	0
	18:02	466	7.9	13,319	677	73.9	6.88	6,516	791	3	6.82	5,377	26.6	6.82
	18:17	458	8.2	10,295	707	66.9	6.87	11,967	795	0.9	6.81	0	0	0
	18:32	460	8.4	10,543	995	102	6.88	11,593	800	1.6	6.81	498	15.8	6.81
	18:47	0	6.6	13,385	680	52.8	6.89	6,523	787	3	6.82	5,346	26.7	6.82
	19:02	0	5.6	10,258	0	50.7	6.89	11,851	789	0.7	6.82	0	0	0
	19:17	0	5.6	224	0	52	6.89	210	797	0.8	6.82	94	0.8	6.82
	19:47	474	7	4,665	683	61.2	6.87	5,303	852	1.2	6.81	16	0.6	6.81
	20:02	482	6.8	11,849	995	52.6	6.88	8,762	773	1.4	6.82	2,844	34.2	6.82
	20:17	471	7	11,936	682	52.4	6.89	10,374	815	1.7	6.82	1,955	15.3	6.82

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:32	482	7.4	10,281	655	53.1	6.88	11,966	793	0.8	6.82	0	0	0
	20:47	471	7.3	11,469	995	59.4	6.89	9,132	779	1.3	6.82	2,412	34.8	6.82
	21:02	475	7.4	12,228	675	54.8	6.89	9,800	813	2.2	6.83	2,459	19.3	6.83
	21:17	482	7.7	10,251	687	58.4	6.87	11,956	797	1	6.82	0	0	0
	21:32	473	7.7	11,231	995	67.7	6.86	9,819	784	1.9	6.81	1,882	44.2	6.81
	21:47	475	7.7	12,537	667	59.4	6.86	8,862	823	2.3	6.81	3,489	18.5	6.81
	22:02	480	8.1	10,227	689	59.9	6.84	11,996	800	1.3	6.79	0	0	0
	22:17	466	8.1	10,853	995	67.7	6.85	10,589	789	2.5	6.79	1,128	48.2	6.79
	22:32	465	8.1	12,875	694	61.4	6.85	7,659	829	2.4	6.8	4,659	23.1	6.8
	22:47	474	8.4	10,257	683	62	6.85	12,071	799	1.2	6.8	0	0	0
	23:02	471	8.5	10,583	995	68	6.85	11,442	790	2.4	6.8	380	47	6.8
	23:17	469	8.3	13,174	681	64.2	6.85	6,593	830	2.6	6.8	5,554	26.9	6.8
	23:32	462	8.7	10,284	698	63	6.85	12,051	799	1.2	6.8	0	0	0
	23:47	0	8.5	10,304	995	62.6	6.85	12,074	804	2.3	6.79	0	0	0
	AVERAGES/TOTALS	470	7.49	909,380	768	63.8	6.84	816,426	801	1.9	6.78	143,536	22.9	6.78
	MAXIMUM	488	8.80	13,509	995	102.0	6.90	12,449	852	3.8	6.84	5,811	48.8	6.84
	MINIMUM	448	5.20	33	655	50.7	6.80	210	727	0.7	6.73	16	0.6	6.73
8/22/2020														
	0:02	0	6.5	13,453	697	67.1	6.85	6,269	809	2.9	6.8	5,761	28	6.8
	0:17	0	5.6	10,186	0	59.4	6.85	12,038	801	1	6.8	0	0	0
	0:32	0	5.7	343	0	61.3	6.85	201	800	1.1	6.8	195	1.9	6.8
	1:02	474	7	4,480	673	75	6.85	5,093	863	2	6.79	0	1	6.79
	1:17	478	6.8	11,999	995	63.7	6.85	8,009	784	1.7	6.8	3,589	32.9	6.8
	1:32	446	6.9	11,799	658	61.4	6.85	10,402	828	1.9	6.8	2,199	16.2	6.8
	1:47	443	7.1	10,170	691	63.7	6.85	12,018	801	1.4	6.8	0	0	0
	2:02	444	6.8	11,684	995	76.2	6.85	8,600	785	2.6	6.8	3,026	33.9	6.8
	2:17	434	6.8	12,142	674	67.1	6.85	9,292	831	2.1	6.8	3,190	21.1	6.8
	2:32	433	7	10,189	685	71.2	6.85	11,997	805	1.4	6.8	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:47	440	6.8	11,353	995	82.7	6.85	9,389	788	2.8	6.8	2,213	42.7	6.8
	3:02	429	6.7	12,407	652	73.8	6.85	8,498	832	2.3	6.8	3,939	19.8	6.8
	3:17	429	6.9	10,191	684	76.9	6.85	11,999	799	1.8	6.8	0	0	0
	3:32	428	6.6	11,689	995	86.6	6.85	7,959	801	3.2	6.8	4,420	28.5	6.8
	3:47	420	6.4	12,730	685	81.1	6.84	7,471	834	2.4	6.8	4,897	22.8	6.8
	4:02	425	6.5	10,941	682	79.3	6.83	10,692	821	1.9	6.79	1,990	37	6.79
	4:17	434	6.4	10,706	995	91.2	6.83	11,014	789	2.7	6.79	756	47.6	6.78
	4:32	417	6.1	12,972	695	81	6.83	6,802	835	2.2	6.79	5,413	26.3	6.79
	4:47	425	6.3	10,157	677	84.4	6.83	12,022	799	1	6.79	0	0	0
	5:02	421	6.3	10,370	995	91.6	6.83	11,718	787	2.7	6.79	0	0	0
	5:17	420	6	13,328	682	100	6.83	5,837	841	2.4	6.79	6,399	30.1	6.79
	5:32	418	6.1	10,144	691	79.9	6.82	11,966	795	1.4	6.77	0	0	0
	5:47	417	6.2	10,131	995	66.1	6.82	11,930	795	3.5	6.77	0	0	0
	6:02	421	5.7	13,513	665	67	6.82	5,253	815	3.2	6.77	6,729	30.6	6.77
	6:17	419	5.9	10,134	667	61.9	6.81	11,931	795	1.4	6.76	0	0	0
	6:32	420	6	10,116	995	60.5	6.81	11,952	797	3.3	6.76	0	0	0
	6:47	409	5.5	13,502	656	64.6	6.82	5,481	813	3.5	6.76	6,590	30.5	6.76
	7:02	412	5.6	10,111	671	64.7	6.82	12,015	798	1.3	6.76	0	0	0
	7:17	410	5.7	10,100	672	76.8	6.82	11,847	795	3.6	6.76	0	0	0
	7:32	422	5.9	11,751	0	82.6	6.83	3,002	766	5.6	6.76	7,064	31.2	6.77
	7:47	411	6.9	182	775	94.4	6.82	152	536	2.4	6.76	67	2.3	6.76
	8:02	405	6.9	10,574	696	72.3	6.82	12,348	820	1.5	6.76	0	0	0
	8:17	417	7.1	10,115	671	68.3	6.82	11,919	795	3.1	6.76	0	0	0
	8:32	408	6.5	13,154	765	69.6	6.83	4,999	767	4.8	6.76	6,867	31.7	6.77
	8:47	415	6.6	10,564	685	63	6.82	12,330	820	1.5	6.77	0	6.4	6.77
	9:02	411	6.7	10,122	682	63.8	6.82	11,875	793	2.6	6.76	0	0	0
	9:17	415	6.2	12,933	812	69.4	6.83	5,973	772	4.4	6.76	5,588	32.4	6.76
	9:32	414	6.2	10,744	682	62	6.84	11,446	820	1.3	6.77	995	22.1	6.77
	9:47	418	6.4	10,112	675	63.5	6.84	11,887	792	2.1	6.77	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:02	417	5.9	12,675	896	67.8	6.85	6,313	766	3.7	6.78	5,111	31.9	6.78
	10:17	405	5.9	10,986	658	62.8	6.85	11,133	819	1.5	6.79	1,493	25	6.79
	10:32	413	6	10,110	676	63.1	6.85	11,927	793	1.8	6.79	0	0	0
	10:47	0	6.4	4,044	0	64.7	6.85	4,732	794	2.9	6.79	0	4	6.78
	12:17	434	6.9	5,916	995	97.1	6.86	1,655	823	4.8	6.79	3,492	29.3	6.78
	12:32	438	6.7	12,577	668	58.6	6.85	8,365	840	2	6.78	4,101	21.4	6.78
	12:47	428	6.9	10,141	675	67	6.85	11,824	788	1.1	6.78	0	0	0
	13:02	424	6.7	11,001	995	73.3	6.86	9,965	773	2.3	6.79	1,503	46.2	6.8
	13:47	437	7.3	6,385	853	85.9	6.86	1,153	767	5.9	6.8	3,938	23.2	6.8
	14:02	426	7.4	10,990	681	114	6.86	11,775	825	1	6.79	709	18.9	6.79
	14:17	429	7.6	10,147	678	69.3	6.85	11,727	781	0.9	6.79	0	0	0
	14:32	429	7.1	12,807	824	70.3	6.85	7,015	754	2.4	6.79	4,340	29.8	6.79
	14:47	428	7.2	10,972	687	42.2	6.84	11,279	816	1.6	6.79	1,244	19.1	6.79
	15:02	424	7.5	10,149	682	75.3	6.86	11,785	781	1.1	6.79	0	0	0
	15:17	419	6.9	12,534	892	77.4	6.87	6,480	761	2.3	6.79	4,830	29.8	6.8
	15:32	419	7.1	11,198	684	75	6.87	11,129	811	1.3	6.81	1,245	18.9	6.81
	15:47	423	7.2	10,180	675	73	6.88	11,745	781	0.9	6.81	0	0	0
	16:02	420	6.8	12,217	832	74.5	6.89	7,788	756	2.1	6.81	3,493	32.5	6.82
	16:17	394	6.8	11,424	671	70	6.91	10,479	802	1.3	6.83	1,812	16.1	6.82
	16:32	400	7	10,141	684	68.1	6.92	11,669	776	0.6	6.84	0	0	0
	16:47	404	6.6	11,899	995	68.6	6.94	8,132	755	1.4	6.85	3,098	33.2	6.86
	17:02	397	6.5	11,656	683	65.9	6.96	9,998	787	1.5	6.88	1,958	13.3	6.86
	17:17	394	6.7	10,187	690	65.1	6.97	11,599	775	0.6	6.89	0	0	0
	17:32	398	6.3	11,594	995	66	6.98	8,927	753	1	6.89	2,375	33.5	6.9
	17:47	414	6.3	11,904	666	65.3	6.99	9,768	782	1.6	6.91	2,073	15.3	6.9
	18:02	394	6.4	10,157	681	66.3	7	11,555	772	0.6	6.92	0	0	0
	18:17	390	6.1	11,262	995	67.3	7.01	9,119	759	0.6	6.93	2,189	33.7	6.93
	18:32	393	5.9	12,158	677	66.5	7.01	10,088	771	2.1	6.95	1,645	13.5	6.94
	18:47	393	6	10,148	677	67.3	7.03	11,628	772	0.6	6.95	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:02	396	5.8	10,956	995	68.5	7.04	9,894	758	0.6	6.96	1,410	39.4	6.96
	19:17	386	5.6	12,436	701	66.9	7.04	9,100	774	2.2	6.96	2,612	16.6	6.96
	19:32	392	5.7	10,146	675	68.6	7.02	11,710	781	0.6	6.96	0	0	0
	19:47	392	5.5	10,613	995	68.7	7.02	10,700	767	0.7	6.96	354	47.1	6.96
	20:02	377	7	3,672	0	66.5	7.02	0	0	7	6.96	0	17.4	6.96
	20:17	489	7.4	3,493	702	81.7	6.99	0	0	3.1	6.94	0	9.6	6.94
	20:32	484	7.9	10,300	688	71.9	6.97	0	0	0.8	6.93	0	0	0
	20:47	0	6.7	10,155	668	73	6.96	0	0	1.3	6.91	0	0	0
	21:02	0	5.7	10,110	0	69.6	6.94	0	0	2.4	6.9	0	23.9	6.9
	21:17	0	5.7	3	0	63.3	6.93	0	0	0	0	0	5.9	6.9
	21:32	0	5.7	0	0	10.5	6.93	0	0	0	0	42	16.3	6.89
	22:32	488	7.7	10,695	681	95.4	6.9	10,476	824	1.3	6.87	1,593	24.7	6.88
	22:47	472	8.1	10,121	678	57.7	6.88	11,647	776	1.4	6.85	0	0	0
	23:02	484	8.2	11,424	995	60.2	6.87	8,776	764	2.5	6.83	2,613	38.6	6.83
	23:17	478	8.3	12,426	676	62.1	6.86	8,815	819	2.2	6.82	3,521	21.8	6.83
	23:32	476	8.7	10,158	675	67.6	6.86	11,644	778	1.4	6.81	0	0	0
	23:47	0	8	11,130	995	72	6.86	9,616	767	2.9	6.81	1,840	46.5	6.81
AVERAGES/TOTALS		424	6.60	866,688	764	70.8	6.88	728,756	790	2.1	6.82	146,521	25.0	6.83
MAXIMUM		489	8.70	13,513	995	114.0	7.04	12,348	863	7.0	6.96	7,064	47.6	6.96
MINIMUM		377	5.50	3	652	10.5	6.81	152	536	0.6	6.76	42	1.0	6.76
8/23/2020														
	0:02	0	6.2	12,739	681	69.5	6.85	7,648	820	2.2	6.81	4,623	23.5	6.81
	0:17	0	5.8	7,229	0	67.2	6.84	8,372	777	1.3	6.8	0	2.1	6.8
	1:02	479	7.6	8,052	677	66.7	6.85	9,045	820	2.1	6.79	87	1.6	6.79
	1:17	469	7.4	12,912	845	63.3	6.85	6,026	749	2.9	6.8	5,318	30.9	6.8
	1:32	468	7.7	10,934	694	63.8	6.84	11,369	813	1.4	6.8	995	23.6	6.8
	1:47	457	8.1	10,135	689	72.2	6.84	11,697	776	2.4	6.79	0	0	0
	2:02	467	7.8	12,679	912	73.9	6.84	6,197	754	4.2	6.79	5,029	32.1	6.79

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:17	458	8.1	11,133	669	72.3	6.82	11,104	820	1.9	6.78	1,493	26.1	6.79
	2:32	464	8.5	10,135	682	77.7	6.82	11,696	780	3	6.77	0	0	0
	2:47	459	8.3	12,361	904	78.1	6.82	6,461	764	4.8	6.77	4,776	35.1	6.77
	3:02	465	8.6	11,452	687	76.1	6.82	10,438	818	2	6.77	2,051	23.4	6.77
	3:17	0	8.8	10,179	676	81	6.82	11,784	784	2.9	6.77	0	0	0
	3:32	0	6.9	12,035	995	79.1	6.82	7,312	767	4.8	6.77	4,134	37.7	6.77
	3:47	0	5.7	11,640	0	72.1	6.82	9,828	814	2	6.77	2,576	21.4	6.77
	4:02	0	5.7	840	0	68.8	6.81	973	781	1.4	6.77	0	2.7	6.77
	4:47	475	7.5	3,759	702	76.7	6.81	4,194	869	2.4	6.76	92	1.3	6.76
	5:02	472	7.9	10,186	676	62.2	6.81	11,868	789	1.9	6.76	0	0	0
	5:17	481	7.6	13,343	742	63.7	6.79	5,327	782	3.8	6.76	6,469	30.5	6.76
	5:32	473	8	10,429	676	63.2	6.79	12,087	802	1.4	6.76	0	0	0
	5:47	472	8.5	10,097	663	67.5	6.78	11,846	786	3	6.75	0	0	0
	6:02	464	8.1	13,228	779	69.9	6.78	4,988	764	4.9	6.75	6,695	31.7	6.75
	6:17	447	8.5	10,530	676	71.1	6.78	12,231	812	1.7	6.75	0	0	0
	6:32	0	8.8	10,061	666	76	6.78	11,732	783	3.5	6.74	0	0	0
	6:47	0	6.8	12,982	801	75.6	6.78	5,319	763	5.4	6.74	6,227	32.9	6.74
	7:02	0	5.7	10,657	0	71.2	6.78	11,693	808	1.7	6.75	498	15.5	6.75
	7:17	0	5.7	676	0	69.6	6.78	791	782	1.9	6.75	0	2.9	6.74
	7:47	485	6.1	6,111	661	66	6.78	6,891	832	2.6	6.73	78	1.9	6.73
	8:02	477	6.2	11,024	995	62.1	6.78	9,570	765	2.5	6.75	1,778	47.3	6.75
	8:17	469	6.2	12,741	669	64	6.79	7,431	830	2.2	6.75	4,831	25	6.75
	8:32	462	6.6	10,031	677	66.1	6.79	11,630	777	1.8	6.75	0	0	0
	8:47	469	6.7	10,687	995	71.1	6.8	10,251	764	3.7	6.76	1,086	49.2	6.76
	9:02	476	6.7	12,994	677	70.8	6.81	6,623	827	2.4	6.76	5,601	27.3	6.76
	9:17	466	7.1	10,081	669	76.3	6.81	11,556	774	1.8	6.76	0	0	0
	9:32	460	7.3	10,376	995	81	6.82	11,111	766	4.2	6.76	356	41.4	6.76
	9:47	462	7.1	13,310	662	75.2	6.81	5,416	837	2.5	6.76	6,774	31	6.77
	10:02	472	7.6	10,040	671	76.9	6.81	11,629	775	1.8	6.76	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:17	458	7.8	10,070	995	77.2	6.81	11,643	776	3.8	6.76	0	0	0
	10:32	448	7.5	13,597	683	74.5	6.82	5,358	796	3.1	6.77	6,481	31	6.76
	10:47	476	7.9	10,096	663	75.9	6.82	11,662	777	1.3	6.77	0	0	0
	11:02	0	7.4	10,090	995	75	6.82	11,529	773	2.9	6.77	0	0	0
	11:17	0	5.7	13,623	63	70.6	6.82	3,491	738	5.2	6.77	6,911	23.1	6.77
	11:32	470	5.5	2,962	974	65.6	6.83	910	632	5.1	6.77	892	5	6.77
	11:47	460	5.3	13,858	901	63.7	6.82	10,493	703	4.7	6.77	0	0	0
	12:02	470	6.2	8,903	62	66.4	6.84	6,315	681	6.3	6.78	160	6.7	6.78
	12:17	453	5.7	11,381	995	70.8	6.85	516	648	7.5	6.79	8,042	17	6.79
	12:32	469	5.6	14,075	704	76	6.86	7,582	739	5.2	6.81	3,855	18.6	6.8
	12:47	463	5.9	10,213	673	79.9	6.88	11,641	774	2.3	6.81	0	0	0
	13:02	466	6.3	10,037	654	80.8	6.89	11,421	760	3.6	6.82	0	0	0
	13:17	453	6.5	10,373	995	83.5	6.9	10,819	746	4.7	6.84	341	45.8	6.84
	13:32	448	6.3	13,201	689	84.1	6.91	6,096	814	2.5	6.85	5,870	28.8	6.85
	13:47	446	6.7	10,108	686	86.6	6.92	11,474	766	0.8	6.85	0	0	0
	14:02	458	6.9	10,085	995	88.4	6.92	11,499	763	1	6.86	0	0	0
	14:17	457	6.7	13,462	658	88.7	6.93	6,422	761	2.9	6.87	5,041	26.6	6.86
	14:32	452	7.1	10,091	670	87	6.94	11,480	764	0.7	6.88	0	0	0
	14:47	0	6.4	10,108	995	87.2	6.94	11,443	761	0.6	6.88	0	0	0
	15:02	0	5.7	8,898	0	86.5	6.95	2,961	672	3.7	6.89	3,374	26	6.89
	17:02	475	7.7	9,985	678	83.7	6.97	9,395	806	1.2	6.9	1,535	27.7	6.9
	17:17	447	8	10,165	668	71.9	6.98	11,369	755	0.6	6.92	0	0	0
	17:32	458	7.9	11,958	995	75.6	7	8,473	726	1.3	6.92	2,310	23.9	6.93
	17:47	461	8.1	11,576	676	74.1	7.01	10,563	773	1.7	6.93	1,092	13	6.93
	18:02	469	8.5	10,136	692	75.7	7	11,364	757	0.6	6.93	0	0	0
	18:17	461	8.4	11,698	995	77.8	7	8,855	736	1.2	6.93	2,150	31.6	6.93
	18:32	464	8.6	11,830	690	76.3	7	10,058	772	1.8	6.93	1,628	14.7	6.93
	18:47	0	8.6	10,200	666	76.7	7	11,342	757	0.6	6.93	0	0	0
	19:02	0	6.8	11,355	995	80.6	6.99	8,919	739	0.8	6.92	2,158	32.8	6.92

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:17	0	5.7	11,115	0	74.1	6.99	8,119	764	2.3	6.92	2,397	14.1	6.92
	20:32	471	7.6	6,952	668	118.6	7.04	6,647	834	1.2	6.91	1,003	20.9	6.9
	20:47	451	8	10,138	672	55.9	7	11,452	760	0.5	6.91	0	0	0
	21:02	462	7.8	3,497	333	125.3	7.02	3,546	742	0.6	6.91	32	40.3	6.89
	21:17	461	7.4	14,150	808	89.7	6.99	5,488	726	4.2	6.89	5,284	24.3	6.89
	21:32	468	7.8	10,990	668	58.5	6.94	11,103	792	1.3	6.88	826	17	6.89
	21:47	471	8.2	10,134	671	64.8	6.93	11,544	770	0.7	6.87	0	0	0
	22:02	472	8.2	11,805	994	75.3	6.93	7,926	769	1.6	6.85	4,301	27.2	6.85
	22:17	458	8.5	11,456	662	67.1	6.92	10,870	807	2.5	6.85	1,332	13.6	6.85
	22:32	466	8.9	10,131	692	67.8	6.9	11,594	773	2.3	6.84	0	0	0
	22:47	0	7.1	11,513	995	76.8	6.9	8,394	764	3.5	6.83	3,151	40.7	6.83
	23:02	0	5.5	11,986	672	70.7	6.89	8,488	811	2.6	6.83	3,809	17.9	6.83
	23:17	0	5.8	1,996	0	60	6.89	2,297	770	2.3	6.83	0	3.1	6.82
AVERAGES/TOTALS		464	7.18	807,795	744	74.7	6.87	676,695	773	2.6	6.81	145,542	23.3	6.81
MAXIMUM		485	8.90	14,150	995	125.3	7.04	12,231	869	7.5	6.93	8,042	49.2	6.93
MINIMUM		446	5.30	676	62	55.9	6.78	516	632	0.5	6.73	32	1.3	6.73
8/24/2020														
	0:02	461	7.7	8,346	661	66.6	6.9	9,329	813	2.8	6.82	92	2.2	6.82
	0:17	465	7.8	11,083	995	75.2	6.87	9,420	770	2.9	6.81	2,127	48.9	6.81
	0:32	474	8	12,501	677	60.4	6.85	7,673	832	2.7	6.8	4,774	20.8	6.81
	0:47	456	8.4	10,050	665	62.2	6.84	11,716	780	3	6.79	0	0	0
	1:02	459	8.5	10,835	995	77.9	6.85	10,010	773	4.6	6.78	1,544	48.7	6.79
	1:17	470	8.5	13,146	699	69.9	6.84	6,086	863	3.9	6.78	6,774	24.7	6.79
	1:32	463	8.9	10,095	666	66.2	6.82	11,725	783	3.4	6.77	0	0	0
	1:47	0	7.4	10,469	995	81.6	6.83	10,761	771	5.3	6.77	781	48.6	6.77
	2:02	0	5.6	13,073	678	66.6	6.84	5,695	842	3.1	6.77	6,765	29.4	6.77
	2:17	0	5.8	2,182	0	61	6.84	2,523	774	2.8	6.77	8	3.3	6.77
	2:47	468	7.4	486	864	132.8	6.94	0	0	0	0	546	34.9	7.07

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:02	475	7.8	10,924	675	59.8	6.85	11,173	816	3.4	6.88	1,244	26.2	7.01
	3:17	453	7.8	11,508	995	76.5	6.82	8,065	773	4.1	6.82	3,559	42.6	6.8
	3:32	469	8	12,164	678	64.4	6.82	8,092	831	2.4	6.8	4,513	26.1	6.8
	3:47	457	8.4	10,020	686	66.9	6.82	11,683	779	3.5	6.79	0	0	0
	4:02	465	8.6	11,171	995	83	6.82	8,892	776	5.3	6.79	2,706	47.2	6.79
	4:17	454	8.7	12,449	669	68.9	6.82	7,303	837	2.4	6.78	5,266	28.8	6.79
	4:32	0	8.3	10,011	680	66.3	6.81	11,649	780	3.6	6.77	0	0	0
	4:47	0	6.6	10,832	995	77.4	6.81	9,613	776	5.5	6.77	1,935	46.6	6.77
	5:02	0	5.7	10,167	0	67.4	6.81	3,518	873	2.8	6.77	6,001	32.2	6.77
	5:47	464	7.7	7,222	655	71.5	6.84	8,147	822	2.7	6.79	74	3.7	6.81
	6:02	459	8.1	9,919	666	59.8	6.82	11,573	774	3.2	6.78	0	0	0
	6:17	455	8	12,630	869	73.9	6.82	5,376	771	4.6	6.78	6,181	37.8	6.78
	6:32	459	8.3	10,943	679	62.9	6.81	10,811	818	2.3	6.77	1,741	35.9	6.78
	6:47	450	8.7	9,928	659	63.6	6.81	11,644	779	3.7	6.76	0	0	0
	7:02	469	7.7	12,771	890	74.4	6.81	4,849	776	5	6.76	6,977	35.5	6.76
	7:17	463	8	10,936	661	67	6.81	10,756	816	2.5	6.76	1,741	33.2	6.76
	7:32	465	8.5	9,903	661	65.2	6.81	11,633	775	4.2	6.76	0	0	0
	7:47	454	8.4	12,307	903	75.7	6.81	6,126	769	5.7	6.76	5,347	40.5	6.76
	8:02	458	8.7	11,482	652	65.2	6.81	9,557	828	2.7	6.76	3,313	30.1	6.77
	8:17	461	8.8	9,913	672	64.7	6.81	11,641	776	4	6.76	0	0	0
	8:32	473	7.9	11,962	917	74.9	6.81	6,881	771	5.6	6.76	4,592	41.8	6.76
	8:47	456	8.2	11,499	651	63.4	6.81	8,956	818	2.5	6.76	3,582	35.3	6.76
	9:02	462	8.6	9,853	643	62.1	6.81	11,576	775	3.7	6.76	0	0	0
	9:17	466	8.5	12,953	995	77.1	6.81	4,288	774	5	6.76	7,600	38.4	6.76
	9:32	464	8.1	14,760	995	68.4	6.81	1,019	832	6.3	6.77	11,294	22.6	6.77
	9:47	459	8.4	11,780	671	62.5	6.81	10,607	818	2.8	6.77	1,853	22.3	6.77
	10:02	452	8.1	12,614	891	74.3	6.82	6,390	758	2.8	6.77	4,775	31.1	6.77
	10:17	466	8.5	11,108	692	62.9	6.84	10,823	815	1.4	6.78	1,688	21.3	6.77
	10:32	0	7	10,029	665	63.8	6.85	11,709	783	1.6	6.79	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:47	0	5.7	11,571	0	90.3	6.85	6,620	771	2.6	6.79	4,221	31.5	6.8
	11:02	0	5.8	96	0	353.9	7.02	0	0	0	0	0	20.9	6.9
	11:32	469	6.5	4,213	995	110.7	6.92	302	661	7.7	6.88	3,090	23	6.88
	11:47	460	6.2	14,619	926	60.1	6.89	6,820	754	3.4	6.85	4,886	18.8	6.85
	12:02	476	6.4	12,594	684	62.9	6.89	10,517	738	2.1	6.84	746	15.2	6.84
	12:17	467	6.2	12,517	910	71.5	6.89	5,636	772	1	6.84	5,819	21.8	6.84
	12:32	461	6.2	13,051	860	64.1	6.9	10,818	902	1.2	6.85	2,686	10.8	6.85
	12:47	465	6.2	12,918	995	74.6	6.91	12,626	899	2.5	6.85	855	4.1	6.85
	13:02	458	5.9	13,966	814	83.2	6.92	5,028	914	1.2	6.86	7,286	21.4	6.85
	13:17	462	5.9	12,442	918	78.8	6.93	13,641	913	1.8	6.87	0	0	0
	13:32	470	5.7	13,801	678	98.1	6.95	4,372	885	2.6	6.88	7,740	21.3	6.88
	13:47	456	6.1	10,203	676	77.7	6.96	11,578	773	1	6.89	0	0	0
	14:02	466	6.4	10,222	691	73.7	6.97	11,584	771	1.6	6.9	0	0	0
	14:17	462	6	13,543	743	80	6.97	3,063	778	2.2	6.91	8,837	18.1	6.91
	14:32	440	6.4	10,511	681	59.3	6.98	11,829	786	0.8	6.92	0	0	0
	14:47	452	6.8	10,245	689	61.5	6.98	11,556	768	1	6.92	0	0	0
	15:02	471	6.4	13,281	697	75.6	6.99	6,126	766	2.9	6.92	5,369	24.8	6.92
	15:17	456	6.7	10,388	698	54.3	6.97	11,616	779	0.8	6.92	0	0	0
	15:32	452	7.1	10,276	687	58	6.97	11,474	768	0.8	6.91	0	0	0
	15:47	459	6.8	13,141	729	73.5	6.97	6,536	731	2.5	6.92	4,801	25.5	6.92
	16:02	453	7.1	10,512	692	53.4	6.97	11,767	786	0.9	6.92	0	0	0
	16:17	452	7.5	10,275	675	55.2	6.97	11,598	771	0.7	6.91	0	0	0
	16:32	446	7.2	12,911	798	73.4	6.97	7,061	743	2.5	6.91	4,047	25.9	6.91
	16:47	456	7.5	10,736	686	51	6.96	10,958	791	0.9	6.91	996	14.3	6.91
	17:02	456	7.9	10,294	686	56.8	6.95	11,575	772	0.8	6.9	0	0	0
	17:17	452	7.6	12,708	907	73.7	6.94	7,079	744	2.1	6.89	3,994	27.3	6.89
	17:32	457	7.9	10,958	684	55.5	6.94	10,817	789	1.2	6.89	1,245	15.5	6.89
	17:47	447	8.3	10,278	670	62.1	6.93	11,618	775	0.9	6.88	0	0	0
	18:02	453	8	12,377	910	79.8	6.93	7,224	759	2.2	6.88	3,990	28.1	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:17	446	8.3	11,281	680	58.7	6.92	10,451	790	1.3	6.87	1,623	14.9	6.88
	18:32	451	8.6	10,260	703	60.9	6.92	11,621	777	0.9	6.86	0	0	0
	18:47	441	8.4	12,072	995	75.9	6.92	7,618	757	1.8	6.85	3,632	31.5	6.86
	19:02	436	8.6	11,617	691	58.8	6.92	10,254	790	1.7	6.86	1,790	16.6	6.86
	19:17	443	8.9	10,311	700	59.4	6.92	11,652	778	0.8	6.86	0	0	0
	19:32	0	7.2	11,765	995	75.9	6.92	8,465	766	1.5	6.86	2,919	33.4	6.86
	19:47	0	5.6	11,841	679	58.6	6.92	9,525	787	1.7	6.87	2,523	16.8	6.87
	20:02	0	5.8	2,737	0	57.3	6.92	3,090	774	0.7	6.87	0	0.7	6.86
	20:47	453	6.9	9,360	688	65.2	6.95	10,460	810	0.8	6.9	45	0.7	6.94
	21:02	457	6.7	12,101	995	68.9	6.91	7,572	757	1.4	6.87	3,641	29.3	6.87
	21:17	457	6.9	11,671	668	56.6	6.9	10,563	812	1.6	6.86	1,771	17.4	6.87
	21:32	451	7.3	10,235	671	63.7	6.9	11,778	784	1	6.85	0	0	0
	21:47	456	7.1	11,798	995	87	6.9	7,966	777	1.9	6.85	3,469	31.3	6.85
	22:02	464	7.4	12,045	681	65.1	6.9	9,552	814	1.8	6.85	2,717	19.7	6.85
	22:17	454	7.7	10,238	683	72.6	6.89	11,877	789	1.3	6.84	0	0	0
	22:32	450	7.6	11,479	995	91.5	6.88	8,913	771	2.7	6.83	2,566	41.2	6.83
	22:47	465	7.7	12,324	677	72.9	6.88	8,873	822	2	6.83	3,447	21.4	6.83
	23:02	452	8	10,237	674	75.5	6.86	11,796	790	1.5	6.82	0	0	0
	23:17	453	8	11,181	995	97	6.86	9,541	781	3	6.81	2,018	43.2	6.81
	23:32	447	8	12,615	678	75.2	6.86	7,784	826	2.1	6.82	4,476	21.8	6.82
	23:47	0	8	10,238	680	76.2	6.85	11,831	791	1.6	6.8	0	0	0
AVERAGES/TOTALS		458	7.46	978,077	772	73.3	6.88	791,909	792	2.6	6.83	216,638	26.2	6.83
MAXIMUM		476	8.90	14,760	995	353.9	7.02	13,641	914	7.7	6.92	11,294	48.9	7.07
MINIMUM		436	5.60	96	643	51.0	6.81	302	661	0.7	6.76	8	0.7	6.76
8/25/2020														
	0:02	0	6.3	10,867	995	93.2	6.85	10,503	776	3.2	6.8	1,097	48.3	6.8
	0:17	0	5.7	7,826	0	82.7	6.85	955	773	7.1	6.8	5,377	25.9	6.8
	1:17	448	6.7	4,906	683	88.6	6.87	4,611	879	1.2	6.91	873	28.8	7

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:32	464	7	10,238	687	46.9	6.84	11,855	792	0.8	6.84	0	0	0
	1:47	453	7.2	10,359	995	64.4	6.83	11,504	784	1.8	6.81	187	43.7	6.8
	2:02	452	7.1	13,546	677	68.1	6.82	5,774	849	2.2	6.8	6,556	30.2	6.8
	2:17	459	7.4	10,245	680	54.6	6.81	11,905	792	1.1	6.79	0	0	0
	2:32	457	7.7	10,207	995	61.6	6.81	11,880	790	2.7	6.77	0	0	0
	2:47	455	7.4	13,680	692	82.3	6.8	5,016	840	2.6	6.77	7,192	30.2	6.77
	3:02	469	7.8	10,255	653	61.4	6.79	11,931	792	1.4	6.76	0	0	0
	3:17	463	8.1	10,197	995	67.5	6.78	11,956	795	3.3	6.75	0	0	0
	3:32	459	7.8	13,559	709	85.4	6.78	5,379	827	3.5	6.76	6,718	30.8	6.76
	3:47	459	8.2	10,307	657	64.9	6.78	11,971	796	1.4	6.75	0	0	0
	4:02	0	8.3	10,243	677	72.1	6.78	11,768	791	3.4	6.74	0	0	0
	4:17	0	6.3	13,515	707	89.4	6.78	5,045	828	4.1	6.74	7,208	30.8	6.74
	4:32	0	5.7	8,065	0	61.1	6.78	9,172	800	1.2	6.74	202	1.7	6.74
	5:32	456	6.6	1,465	755	177.3	6.78	1,535	853	5.1	6.75	86	3.5	6.74
	5:47	464	7	10,539	684	49.4	6.77	12,123	811	1.4	6.74	0	0	0
	6:02	472	6.6	13,232	804	73.3	6.76	4,255	780	3	6.74	7,571	29.5	6.74
	6:17	459	7	10,730	672	53.4	6.76	12,264	822	1.3	6.73	0	0	0
	6:32	463	7.4	10,146	684	63.9	6.76	11,902	794	2.6	6.73	0	0	0
	6:47	445	7.1	13,013	837	88	6.76	5,005	780	4.3	6.73	6,611	31.5	6.74
	7:02	445	7.4	10,950	670	60.5	6.76	11,812	828	1.4	6.74	746	16.4	6.74
	7:17	449	7.8	10,218	688	65.7	6.76	11,889	793	2.7	6.73	0	0	0
	7:32	453	7.4	12,810	912	86.7	6.77	5,859	777	4.5	6.74	5,599	32	6.75
	7:47	467	7.8	11,115	668	63.7	6.78	10,995	825	1.4	6.75	1,741	23.1	6.75
	8:02	0	7.5	10,224	690	69.4	6.77	11,839	791	2.6	6.75	0	0	0
	8:17	448	6.1	12,508	911	87.2	6.78	6,396	768	4.2	6.75	4,997	35.4	6.75
	8:32	455	6.3	11,317	680	62.4	6.78	10,249	822	1.4	6.75	2,294	20.2	6.75
	8:47	459	6.7	10,165	662	64.9	6.78	11,871	790	2	6.75	0	0	0
	9:02	449	6.1	12,189	995	84.3	6.79	6,950	779	3.6	6.76	4,462	34.2	6.76
	9:17	0	6.3	2,429	0	82.6	6.79	799	775	7.5	6.77	1,156	23	6.77

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:47	454	5.7	11,424	765	93.2	6.82	2,270	827	4.8	6.8	7,331	20	6.82
	10:02	443	6.1	10,589	697	73.2	6.82	12,162	812	1	6.79	0	0	0
	10:17	462	6.5	10,188	680	86	6.82	11,850	788	2.4	6.79	0	0	0
	10:32	459	6.1	13,187	995	115.3	6.83	4,837	767	4.2	6.8	6,902	30.4	6.8
	10:47	456	5.4	14,925	911	89.1	6.83	1,803	728	6.9	6.8	9,438	13.2	6.81
	11:02	440	6.1	8,670	738	88.5	6.9	5,933	885	4.1	6.88	3,248	12.2	6.84
	11:17	452	6.4	10,423	674	101.5	6.88	11,921	798	2.5	6.84	0	0	0
	11:32	442	6.1	13,100	799	105.2	6.89	5,634	751	3.5	6.83	5,788	31.7	6.84
	11:47	450	6.4	10,775	681	97.1	6.89	11,966	812	1.3	6.85	249	9.4	6.85
	12:02	447	6.7	10,211	686	100.4	6.91	11,654	777	1.7	6.85	0	0	0
	12:17	0	6.5	12,876	0	102.5	6.9	6,417	753	3.2	6.86	4,839	32.6	6.86
	12:32	419	6.6	8,276	683	94.1	6.93	7,987	823	1.1	6.9	1,247	16.3	6.89
	12:47	432	6.8	10,233	698	93	6.9	11,641	776	0.7	6.86	0	0	0
	13:02	423	6.6	11,362	995	97.6	6.9	9,130	760	1.5	6.85	2,191	43.7	6.85
	13:17	411	6.5	12,466	687	90.8	6.91	7,660	830	1.2	6.86	4,543	14.3	6.86
	13:32	0	6.1	10,225	684	105	6.91	11,142	782	0.8	6.86	334	5.6	6.87
	13:47	0	5.9	5,469	0	84.5	6.92	6,241	778	0.6	6.86	3	0.6	6.86
	14:47	0	5.6	9,789	0	86.2	6.96	249	995	4.7	6.9	7,527	14.3	6.91
	15:02	438	6.6	760	779	109.6	6.98	785	776	1.5	6.93	46	1.1	6.94
	15:17	433	6.8	10,757	662	84.8	6.94	12,072	804	0.5	6.89	0	0	0
	15:32	437	7.1	10,189	694	89.5	6.93	11,559	769	0.4	6.88	0	0	0
	15:47	430	6.7	13,179	756	96.8	6.93	6,947	729	2.3	6.87	4,258	25.6	6.87
	16:02	455	7	10,612	689	84.5	6.92	11,976	800	0.6	6.87	0	0	0
	16:17	427	7.2	10,282	693	85.5	6.92	11,640	774	0.4	6.86	0	0	0
	16:32	429	6.8	12,982	804	93.9	6.93	7,243	731	2.1	6.87	3,781	28.3	6.87
	16:47	423	7	10,801	688	81.2	6.93	11,663	803	0.7	6.88	498	11.8	6.88
	17:02	0	6.7	10,322	673	82.6	6.94	11,638	775	0.4	6.88	0	0	0
	17:17	0	5.7	10,237	0	103.3	6.95	6,595	741	1.4	6.88	2,279	21.4	6.93
	17:32	0	5.7	8	0	79.9	7.01	0	0	0	0	0	4.7	7.02

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:47	485	6.8	7,923	667	81.6	6.98	7,620	838	1	6.92	1,189	12	6.94
	19:02	487	7.3	10,247	676	73.1	6.95	11,534	774	0.5	6.9	0	0	0
	19:17	481	7.6	10,270	995	77.1	6.94	11,641	773	0.6	6.88	0	0	0
	19:32	485	7.5	13,526	685	88.1	6.93	7,224	771	2.6	6.88	4,517	26.4	6.88
	19:47	473	8	10,387	688	81.7	6.92	11,684	776	0.5	6.86	0	0	0
	20:02	483	8.4	10,347	995	82.8	6.91	11,626	777	0.6	6.85	0	0	0
	20:17	475	8.2	13,485	684	92.7	6.9	7,207	774	2.7	6.85	4,483	27.3	6.85
	20:32	485	8.6	10,362	691	83.7	6.89	11,776	781	0.5	6.84	0	0	0
	20:47	0	7.6	10,325	698	83.7	6.89	11,697	777	0.7	6.84	0	0	0
	21:02	0	5.6	13,437	690	89.2	6.89	7,010	776	2.5	6.84	4,705	26.9	6.84
	21:17	0	5.7	2,464	0	73.5	6.88	2,779	795	0.6	6.84	0	0.5	6.84
	22:17	482	6.9	8,661	698	85.5	6.9	9,615	820	0.6	6.84	49	0.6	6.86
	22:32	473	7.4	10,287	676	76.2	6.88	11,563	772	0.5	6.82	0	0	0
	22:47	476	7.2	13,471	712	82.2	6.87	6,508	767	2.6	6.82	5,035	26.8	6.82
	23:02	485	7.6	10,485	677	81.8	6.86	11,796	788	0.6	6.81	0	0	0
	23:17	482	8.1	10,292	706	90.6	6.86	11,640	777	1.1	6.81	0	0	0
	23:32	485	7.9	13,346	742	96.4	6.85	6,044	774	3	6.8	5,651	28.3	6.8
	23:47	0	8.3	10,543	707	93.3	6.84	11,967	798	0.8	6.79	0	0	0
AVERAGES/TOTALS		456	6.91	815,240	747	83.4	6.86	680,514	794	2.2	6.82	160,804	21.9	6.83
MAXIMUM		487	8.60	14,925	995	177.3	7.01	12,264	995	7.5	6.93	9,438	48.3	7.02
MINIMUM		411	5.40	8	653	46.9	6.76	249	728	0.4	6.73	3	0.5	6.74
8/26/2020														
	0:02	0	8.7	10,321	693	104.1	6.83	11,680	780	1.7	6.78	0	0	0
	0:17	0	6.9	13,241	775	107.2	6.83	5,539	756	3.7	6.78	6,107	31.2	6.78
	0:32	0	5.5	10,559	677	94.2	6.82	12,021	802	1	6.77	0	0	0
	0:47	0	5.7	1,362	0	88.8	6.8	1,570	780	1	6.76	0	1.1	6.76
	1:32	0	6.7	3,562	701	109.6	6.82	3,915	867	1.7	6.77	51	1.3	6.78
	1:47	0	7	10,608	995	92.7	6.81	11,397	773	1.3	6.76	184	44.6	6.75

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:02	0	6.9	13,448	715	95.8	6.79	6,312	839	2.3	6.75	5,907	30	6.76
	2:17	0	7.4	10,287	662	100.4	6.78	11,800	783	1.1	6.74	0	0	0
	2:32	0	7.7	10,257	995	108	6.78	11,729	778	2.5	6.73	0	0	0
	2:47	0	7.6	13,671	698	109.4	6.78	5,675	812	2.8	6.73	6,298	31.8	6.73
	3:02	0	8	10,255	691	92	6.76	11,803	785	1.2	6.72	0	0	0
	3:17	0	8.4	10,241	995	103.1	6.76	11,729	780	2.9	6.71	0	0	0
	3:32	0	8.1	13,617	693	102.4	6.76	5,398	816	3.3	6.71	6,634	32.1	6.71
	3:47	0	8.5	10,289	701	103.3	6.75	11,760	785	1.2	6.7	0	0	0
	4:02	0	8.5	10,264	685	107.6	6.75	11,736	782	3.1	6.7	0	0	0
	4:17	0	6.5	13,545	697	104.7	6.74	5,067	806	3.7	6.7	6,892	32.3	6.7
	4:32	0	5.7	9,246	0	92.1	6.73	10,620	785	1	6.69	3	1.4	6.68
	5:32	0	6.7	2,261	746	132.1	6.73	2,458	875	2.7	6.69	69	1.9	6.7
	5:47	0	7.1	10,425	995	82.8	6.73	11,897	791	1.3	6.69	0	0	0
	6:02	0	6.9	13,595	694	89.3	6.73	5,866	806	2.7	6.69	6,085	31.5	6.69
	6:17	0	7.3	10,296	655	91	6.73	11,784	785	0.9	6.69	0	0	0
	6:32	0	7.7	10,160	693	100.1	6.73	11,732	781	2.4	6.69	0	0	0
	6:47	0	7.4	13,556	717	103.5	6.73	5,320	795	3.7	6.69	6,546	32.5	6.69
	7:02	0	7.8	10,338	685	101	6.72	11,853	792	1.2	6.68	0	0	0
	7:17	0	8.2	10,131	667	108.8	6.72	11,613	778	2.9	6.67	0	0	0
	7:32	0	7.9	13,414	746	109.7	6.72	4,938	789	4.4	6.68	6,909	32.5	6.68
	7:47	0	8.2	10,434	663	103.9	6.71	11,910	796	1.2	6.67	0	0	0
	8:02	0	8.5	10,166	677	110	6.7	11,670	778	2.8	6.67	0	0	0
	8:17	0	6.3	13,343	995	109.1	6.7	4,378	752	4.5	6.67	7,225	32.7	6.67
	8:32	484	4.9	14,872	911	93.5	6.7	6,416	711	5.5	6.67	4,559	20.8	6.67
	8:47	486	5.7	7,189	676	92.9	6.7	6,894	810	1.8	6.66	1,048	16.3	6.66
	9:02	479	5.7	11,430	995	94.2	6.7	8,643	758	1.1	6.66	2,652	38.2	6.67
	9:17	485	6.3	11,163	0	93.6	6.72	4,792	740	4.8	6.69	3,700	14.9	6.69
	9:32	473	6.8	6,975	656	100.1	6.74	7,865	810	1.5	6.7	31	1.7	6.71
	9:47	475	7.3	10,112	686	100.6	6.75	11,634	777	0.9	6.71	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:02	479	6.9	13,084	793	103.8	6.75	5,706	746	2.5	6.71	5,662	30.4	6.71
	10:17	0	6.9	10,568	665	99.1	6.75	11,766	798	0.9	6.71	249	10.7	6.72
	10:32	0	5.5	10,075	691	107	6.75	11,555	772	1.2	6.71	0	0	0
	10:47	0	5.7	1,843	0	105.2	6.75	2,138	770	1.8	6.71	0	2	6.71
	11:47	477	5.2	10,802	757	77.7	6.47	683	929	1.9	6.74	8,214	16.2	6.71
	12:02	480	5.7	10,557	676	109.5	4.97	12,043	802	1.1	6.73	0	0	0
	12:17	484	6.1	10,065	671	98	6.55	11,442	763	1	6.73	0	0	0
	12:32	475	5.9	13,137	758	104	6.65	5,987	742	2.5	6.74	5,418	29.6	6.76
	12:47	469	6.3	10,486	665	103.8	6.69	11,813	791	0.9	6.75	0	0	0
	13:02	471	6.7	10,074	675	106.5	6.71	11,462	761	0.8	6.75	0	0	0
	13:17	468	6.5	12,900	779	110.3	6.74	6,397	729	1.9	6.76	4,731	29.1	6.78
	13:32	478	6.9	10,725	684	106.8	6.76	11,527	794	0.9	6.77	498	16	6.77
	13:47	473	7.3	10,145	683	108.9	6.77	11,569	764	0.7	6.76	0	0	0
	14:02	475	7.1	12,676	833	111.9	6.79	6,955	731	1.7	6.76	4,067	29.9	6.77
	14:17	476	7.5	10,843	681	106.6	6.81	11,156	792	1	6.78	995	17	6.78
	14:32	456	7.1	13,272	995	110.1	6.81	3,795	760	0.7	6.78	6,125	13.9	6.78
	14:47	473	7	13,090	664	107.6	6.83	5,593	802	1.2	6.79	5,439	5.7	6.79
	15:02	474	7.4	10,009	674	106.6	6.84	11,022	734	0.7	6.79	0	0	0
	15:17	460	7.2	12,780	785	110.7	6.85	7,312	687	2	6.8	2,859	28.4	6.81
	15:32	0	7.2	10,615	667	105.9	6.86	10,777	765	1	6.82	953	12.9	6.82
	15:47	0	5.9	10,010	665	106.3	6.87	11,104	738	0.7	6.82	0	0	0
	16:02	0	5.7	4,862	0	106.8	6.87	5,304	733	0.7	6.82	22	0.6	6.82
	17:02	474	6.2	9,634	683	121.6	6.89	5,864	758	2.5	6.84	2,412	14.9	6.8
	17:17	471	6.7	10,085	660	106.1	6.91	11,079	736	0.7	6.85	0	0	0
	17:32	474	7.1	10,047	682	111.4	6.91	11,020	736	0.7	6.86	0	0	0
	17:47	473	6.8	13,181	724	117.8	6.91	6,652	702	2.4	6.87	4,058	25.7	6.87
	18:02	483	7.2	10,268	670	115.5	6.91	11,307	753	0.8	6.87	0	0	0
	18:17	466	7.7	10,068	680	119.5	6.91	11,092	741	0.7	6.86	0	0	0
	18:32	0	6.2	13,062	745	125.9	6.91	6,516	694	2.3	6.86	4,268	26.8	6.86

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:47	0	5.7	7,522	0	119.9	6.9	8,212	768	1	6.86	0	0.8	6.85
	19:32	476	6.4	3,361	681	164.7	6.91	3,501	818	1.1	6.85	97	0.8	6.58
	19:47	475	6.8	10,107	675	119.7	6.88	11,219	746	0.6	6.83	0	0	0
	20:02	478	6.5	13,022	995	129.1	6.86	6,637	680	2.2	6.81	3,563	25.9	6.81
	20:17	482	6.5	13,039	666	126.8	6.84	8,683	703	2.4	6.8	2,290	18.2	6.8
	20:32	469	6.9	10,044	668	134.1	6.82	11,225	743	0.7	6.77	0	0	0
	20:47	472	6.7	12,687	836	139.1	6.82	6,751	708	1.7	6.77	3,798	30.3	6.78
	21:02	464	7.1	10,810	660	135	6.8	10,660	773	1.1	6.75	1,244	22	6.77
	21:17	470	7.4	10,020	674	141.2	6.79	11,148	738	0.7	6.74	0	0	0
	21:32	0	5.8	12,345	915	148.2	6.78	6,481	718	1.3	6.74	4,089	34.6	6.74
	21:47	0	5.7	4,721	0	141.3	6.77	3,084	818	2.7	6.73	1,611	20.3	6.74
	22:32	484	6.6	8,043	671	152.9	6.76	8,837	783	0.9	6.71	53	1.4	6.66
	22:47	479	7	9,952	672	135.1	6.74	11,155	745	0.6	6.7	0	0	0
	23:02	465	6.8	12,609	895	137.8	6.73	6,183	719	1.5	6.69	4,503	33.1	6.7
	23:17	483	7.2	10,950	668	134.7	6.72	10,579	781	1.3	6.68	1,493	29.8	6.69
	23:32	470	7.6	10,001	657	152.2	6.72	11,243	752	1.1	6.67	0	0	0
	23:47	471	7.4	12,292	896	157.3	6.72	6,440	735	1.7	6.67	4,373	36.7	6.68
AVERAGES/TOTALS		475	6.87	845,121	740	111.5	6.75	694,088	770	1.8	6.74	153,984	20.7	6.74
MAXIMUM		486	8.70	14,872	995	164.7	6.91	12,043	929	5.5	6.87	8,214	44.6	6.87
MINIMUM		456	4.90	1,362	655	77.7	4.97	683	680	0.6	6.66	3	0.6	6.58
8/27/2020														
	0:02	473	7.7	11,285	638	148.5	6.7	10,150	786	1.5	6.66	1,834	27.6	6.68
	0:17	0	6.6	10,011	671	160.1	6.7	11,208	753	1.2	6.66	0	0	0
	0:32	0	5.6	9,779	104	160.5	6.7	7,036	737	1.6	6.66	2,094	35.1	6.72
	0:47	0	5.6	222	0	151.4	6.7	0	0	0	0	0	18.8	6.81
	1:32	478	6.6	9,184	673	153.2	6.7	8,426	803	1.6	6.64	1,736	24.8	6.63
	1:47	472	7	9,874	659	142.8	6.69	11,318	755	1.1	6.64	0	0	0
	2:02	468	7.3	9,988	995	142.2	6.67	11,189	747	1.5	6.63	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:17	465	7.1	13,507	661	144	6.66	4,959	799	2.7	6.63	6,607	35.5	6.64
	2:32	478	7.4	9,927	995	146	6.66	11,350	759	1	6.61	0	0	0
	2:47	473	7.3	13,532	680	162.1	6.66	5,138	785	2.5	6.62	6,316	33.8	6.63
	3:02	467	7.7	9,882	654	201.4	6.66	11,420	759	0.9	6.62	0	0	0
	3:17	0	7.1	9,823	995	166.2	6.69	11,412	758	1.1	6.64	0	0	0
	3:32	0	5.7	12,433	0	163.9	6.69	3,889	771	2.7	6.65	6,428	34.6	6.66
	4:17	478	6.5	6,464	638	166.8	6.67	7,129	798	0.9	6.63	39	1.5	6.65
	4:32	479	7	9,766	655	147.8	6.67	11,329	755	0.5	6.62	0	0	0
	4:47	470	6.9	11,733	995	151.7	6.65	7,127	731	0.7	6.61	3,658	37.5	6.62
	5:02	474	7.2	11,649	656	148.4	6.64	9,246	790	1.5	6.6	2,718	27.2	6.62
	5:17	481	7.7	9,837	641	157.1	6.63	11,255	752	0.8	6.59	0	0	0
	5:32	478	7.6	11,414	995	166.1	6.64	7,897	738	1.2	6.59	2,907	39.7	6.6
	5:47	464	7.8	11,945	645	159.9	6.63	8,338	793	1.5	6.59	3,589	31.1	6.61
	6:02	0	7	9,716	631	165.7	6.63	11,324	752	0.8	6.59	0	0	0
	6:17	0	5.7	11,003	123	167.8	6.63	8,623	734	1.2	6.58	2,196	46.7	6.59
	6:32	0	5.6	1,637	0	162.2	6.63	0	0	0	0	860	24.4	6.62
	7:17	482	6.6	8,794	649	162.4	6.61	8,036	804	1.2	6.57	1,783	24.1	6.57
	7:32	476	7	9,745	645	154.1	6.62	11,231	748	0.7	6.57	0	0	0
	7:47	475	7.3	10,056	995	157.2	6.62	10,619	733	1	6.57	364	44.5	6.57
	8:02	475	7.2	13,260	653	157.8	6.61	5,492	816	2.3	6.57	6,177	35.4	6.59
	8:17	484	7.7	9,746	651	158.8	6.6	11,273	751	0.8	6.56	0	0	0
	8:32	0	6.6	11,806	995	171.9	6.6	6,901	729	1	6.56	3,837	37.9	6.57
	8:47	0	5.7	9,845	0	164.6	6.6	7,531	792	1.8	6.57	2,511	28.9	6.58
	9:17	483	6.2	3,365	923	191.4	6.6	2,825	756	4.5	6.54	38	1.1	6.56
	9:32	0	6.5	10,601	107	153	6.6	0	4	2.6	6.56	0	22.7	6.56
	9:47	458	6.6	8,541	995	156.8	6.6	8,426	746	1.2	6.55	483	3.2	6.56
	10:02	473	6.5	13,177	646	168.5	6.61	5,408	771	2.2	6.57	5,821	32.9	6.57
	10:17	466	7	9,693	639	172.8	6.61	10,669	713	0.7	6.57	0	0	0
	10:32	476	7.3	9,697	995	174.5	6.63	10,715	713	0.8	6.57	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:47	467	7.1	13,401	638	169.8	6.62	5,013	741	2.4	6.57	5,937	34.3	6.58
	11:02	463	7.6	9,725	647	168.4	6.61	10,721	712	0.7	6.56	0	0	0
	11:17	465	8	9,702	995	173	6.61	10,663	712	0.7	6.55	0	0	0
	11:32	468	7.8	13,385	658	172.8	6.61	4,996	741	2.3	6.56	6,040	34.2	6.57
	11:47	468	8.1	9,742	995	169.9	6.6	10,710	712	0.7	6.54	0	0	0
	12:02	466	7.4	14,784	995	180.2	6.61	180	722	0.7	6.54	9,999	19.3	6.57
	12:17	450	7.3	13,064	853	172	6.61	9,923	865	1.3	6.55	2,841	16.8	6.57
	12:32	463	7.3	12,805	995	180.5	6.61	13,029	885	2.9	6.55	249	6.5	6.55
	12:47	452	6.9	13,804	690	148.3	6.62	4,338	916	1.9	6.58	8,570	32.5	6.57
	13:02	465	7.3	10,429	680	137.2	6.64	12,307	821	1.4	6.57	0	0	0
	13:17	462	7	12,515	938	137	6.66	6,950	799	2.5	6.58	5,026	36.4	6.6
	13:32	460	7.2	11,643	692	127.3	6.66	11,346	855	1.4	6.59	1,638	28.1	6.61
	13:47	438	7.4	10,463	995	134.3	6.66	12,319	822	1	6.58	0	0	0
	14:02	162	7.1	13,677	706	107.9	6.66	6,157	848	5	6.59	6,436	34	6.6
	14:17	0	7.2	10,452	692	132.3	6.66	12,333	821	2.4	6.58	0	0	0
	14:32	0	7.1	12,387	922	146.6	6.66	7,625	796	1.3	6.58	4,375	35.4	6.59
	14:47	0	7.4	11,736	689	141.2	6.66	10,660	851	1.4	6.58	2,285	31	6.6
	15:47	0	7	7,998	995	167.3	6.64	9,063	864	1.4	6.58	111	1.7	5.65
	16:02	0	6.8	13,724	709	146.2	6.67	6,352	864	2.5	6.59	6,391	32.1	6.59
	16:17	0	7.2	10,500	703	147.2	6.67	12,286	821	0.8	6.58	0	0	0
	16:32	0	7	12,672	927	158.8	6.67	7,059	788	1.5	6.58	4,690	34	6.59
	16:47	0	7.3	11,479	705	156.6	6.67	11,550	857	1.4	6.59	1,494	28.1	6.6
	17:02	0	7.6	10,460	995	161.2	6.67	12,263	819	0.7	6.58	0	0	0
	17:17	0	7.5	13,693	682	172.1	6.67	6,390	843	2.8	6.59	6,285	31.7	6.6
	17:32	0	7.5	10,504	703	167.1	6.67	12,334	820	0.8	6.58	0	0	0
	17:47	0	5.6	12,620	913	174.4	6.67	7,314	791	1.4	6.58	4,547	35.5	6.59
	18:02	0	6.4	3,710	767	189.1	6.67	2,006	860	3.9	6.6	1,761	22.3	6.6
	18:17	0	6.7	10,784	708	177.6	6.67	12,711	846	1	6.58	0	0	0
	18:32	0	6.8	11,601	995	186.7	6.67	9,225	801	0.7	6.58	2,782	36.7	6.59

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:47	0	6.9	12,559	674	177.8	6.67	9,243	856	2.2	6.58	3,702	29.3	6.59
	19:02	0	6.7	10,398	679	185.5	6.67	12,292	818	0.8	6.57	0	0	0
	19:17	0	5.6	9,742	0	198.6	6.67	3,856	775	1.8	6.57	4,683	30.9	6.59
	19:47	0	6.5	8,141	689	206.5	6.66	7,899	882	1.6	6.57	1,485	15.7	6.58
	20:02	0	6.9	10,367	687	196.5	6.67	12,281	817	0.8	6.58	0	0	0
	20:17	0	6.7	13,366	811	206	6.67	5,704	785	2	6.58	6,476	33.6	6.59
	20:32	0	7.1	10,868	673	195.6	6.66	12,750	853	1.2	6.57	0	0	0
	20:47	0	5.8	11,134	995	208	6.66	10,389	798	0.8	6.56	1,558	46.2	6.58
	21:02	0	5.6	4,406	0	208.9	6.66	382	771	7.7	6.59	2,983	30.2	6.59
	21:17	0	6.3	2,882	790	288.6	6.65	1,243	994	2.8	6.58	1,923	26	6.58
	21:32	0	6.7	10,721	680	212.7	6.66	12,646	843	0.6	6.57	0	0	0
	21:47	0	6.9	11,073	995	221.5	6.66	10,388	794	0.5	6.57	1,578	45.7	6.59
	22:02	0	6.9	13,102	691	214.4	6.65	7,247	882	2	6.58	5,680	32.2	6.59
	22:17	0	6.5	10,307	690	218.7	6.64	12,201	812	0.5	6.57	0	0	0
	22:32	0	5.6	8,956	0	238	6.64	4,442	774	0.6	6.56	3,602	29.4	6.58
	23:02	0	6.5	9,023	706	227.2	6.63	8,598	880	2.6	6.55	1,793	21.2	6.57
	23:17	0	7	10,305	690	220.5	6.62	12,156	809	0.9	6.54	0	0	0
	23:32	0	6.7	13,170	840	228.1	6.63	5,594	782	1.6	6.55	6,357	36.1	6.57
	23:47	0	7.1	11,014	674	211.3	6.61	12,384	852	1.3	6.55	498	20.9	6.57
	AVERAGES/TOTALS	461	6.89	877,930	755	172.0	6.65	708,407	787	1.6	6.58	185,771	28.7	6.58
	MAXIMUM	484	8.10	14,784	995	288.6	6.70	13,029	994	7.7	6.66	9,999	46.7	6.81
	MINIMUM	162	5.60	222	104	107.9	6.60	180	4	0.5	6.54	38	1.1	5.65
8/28/2020														
	0:02	0	5.5	10,798	995	239.6	6.61	10,899	792	0.8	6.54	977	49	6.54
	0:17	0	5.6	2,777	0	237.8	6.61	0	0	0	0	1,821	21.9	6.56
	0:32	0	6.3	2,548	781	282	6.6	746	993	5.4	6.54	2,011	29.9	6.55
	0:47	0	6.7	10,804	672	218.8	6.6	12,678	847	1.4	6.54	0	0	0
	1:02	0	7	10,244	995	237.8	6.6	12,121	807	0.9	6.53	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:17	0	6.8	13,791	692	229.3	6.61	5,217	872	2.4	6.54	7,528	35.4	6.55
	1:32	0	6.9	12,241	941	220.5	6.56	6,092	816	1.2	6.52	7,463	5.2	6.47
	1:47	0	6.4	14,589	949	230.7	6.47	0	0	0	0	13,254	29.3	6.41
	2:02	0	6.5	13,561	698	197.9	6.52	4,499	946	4.9	6.51	10,199	4	6.46
	2:17	0	6.6	11,266	995	188.6	6.6	9,964	798	4.1	6.54	2,021	49.7	6.59
	2:32	0	6.6	13,196	697	190.8	6.68	6,537	904	6.3	6.64	6,741	40.9	6.63
	2:47	0	7.1	10,281	65	182.3	6.7	12,078	807	6.6	6.65	0	0	0
	3:02	0	6.1	10,733	0	277.2	6.72	608	804	1.2	6.66	8,916	44.7	6.66
	3:17	0	6.2	9,586	927	217.8	6.72	0	0	0	0	10,153	50.2	6.66
	3:32	0	6.2	14,081	937	219.7	6.71	0	0	0	0	14,925	50.2	6.66
	3:47	0	6.1	7,442	0	228.7	6.71	0	0	0	0	6,587	50.2	6.66
	4:17	0	6.2	13,013	995	241.1	6.71	0	0	0	0	13,722	50.2	6.65
	4:32	0	5.7	14,850	995	230.4	6.7	0	0	0	0	12,155	50.2	6.65
	4:47	0	6.3	10,370	73	216.9	6.7	0	0	0	0	8,613	50.2	6.66
	5:02	0	6	11,288	995	217.6	6.7	0	0	0	0	9,481	50.2	6.66
	5:17	0	5.6	14,597	951	221.6	6.7	0	0	0	0	13,362	50.2	6.66
	5:32	0	5.7	11,520	995	238.6	6.7	0	0	0	0	11,598	50.2	6.66
	5:47	0	5.8	14,619	123	253	6.71	249	995	8.2	6.67	12,967	49.3	6.67
	6:02	0	6.3	6,942	995	334.7	6.89	0	0	0	0	6,464	50.2	6.88
	6:17	0	5.7	13,571	995	321.2	6.73	0	0	0	0	11,129	50.2	6.59
	6:32	0	5.5	14,416	970	273.1	6.72	0	0	0	0	14,038	50.2	6.65
	6:47	0	6.2	7,415	995	277.7	6.72	0	0	0	0	6,266	50.2	6.66
	7:02	0	5.9	14,544	947	287.2	6.72	0	0	0	0	13,668	50.2	6.66
	7:17	0	5.8	14,256	946	289.1	6.71	0	0	0	0	14,924	50.2	6.66
	7:32	0	6.1	12,263	234	288.1	6.7	0	0	0	0	8,809	50.2	6.65
	7:47	0	5.8	9,938	995	287.6	6.69	0	0	0	0	0	50.2	6.64
	8:02	0	6.4	9,927	234	284.7	6.69	0	0	0	0	0	50.2	6.64
	8:17	0	5.6	12,760	995	300.2	6.69	0	0	0	0	0	50.2	6.63
	8:32	0	6.1	7,967	995	305.5	6.69	0	0	0	0	0	50.2	6.63

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:47	0	5.7	14,925	215	294.6	6.69	0	0	0	0	0	50.2	6.63
	9:02	0	5.9	7,763	995	231.8	6.68	0	0	0	0	0	50.2	6.63
	9:17	0	6.1	12,456	241	201	6.69	0	0	0	0	0	50.2	6.62
	9:32	0	6	8,879	219	159.5	6.68	0	0	0	0	0	50.2	6.63
	9:47	0	5.5	12,697	985	138.4	6.69	0	0	0	0	6,357	48.8	6.63
	10:02	0	5.4	14,758	979	118.6	6.69	0	0	0	0	9,286	29.2	6.64
	10:17	0	5.4	14,575	776	124	6.69	0	0	0	0	9,203	30.7	6.64
	10:32	0	5.6	3,634	0	121	6.68	1,610	705	9	6.63	2,055	25.4	6.63
	11:02	482	5.9	7,539	995	116.7	6.67	0	0	0	0	6,022	35.5	6.62
	11:17	492	6.1	12,343	677	108.5	6.67	8,900	848	5.1	6.61	3,839	33.3	6.63
	11:32	459	6.2	11,531	995	110.8	6.67	8,511	756	6.6	6.61	2,662	47.6	6.61
	11:47	492	6.3	12,771	689	113.9	6.67	7,633	853	3.7	6.61	4,872	32.8	6.61
	12:02	483	6.4	11,217	995	117	6.67	9,432	755	5.5	6.6	1,820	48.6	6.6
	12:17	487	6.4	13,057	695	113.8	6.66	6,876	857	2.8	6.6	5,573	33.3	6.6
	12:32	473	6.6	10,922	995	114.6	6.66	10,205	754	4.1	6.6	1,113	47.4	6.6
	12:47	483	6.6	13,294	694	115	6.66	6,061	867	2.3	6.6	6,323	32.8	6.6
	13:02	478	6.8	10,653	995	115.4	6.66	11,018	759	3	6.59	363	40.3	6.58
	13:17	469	6.7	13,557	702	64.2	6.79	5,658	871	2.6	6.58	6,708	34.6	6.59
	13:32	483	6.5	12,764	926	69.7	6.87	5,448	780	1.8	6.58	5,991	0.9	7.14
	13:47	469	6.8	11,853	692	128.8	6.67	9,541	829	1.7	6.61	3,286	8.9	7.09
	14:02	486	6.6	12,295	906	135.8	6.66	6,915	746	2.2	6.58	4,188	38.4	6.59
	14:17	471	6.9	11,919	688	138.8	6.66	10,148	824	1.8	6.59	2,433	28.3	6.59
	14:32	471	6.6	13,608	729	141.7	6.66	5,144	783	2.8	6.59	6,630	33.2	6.59
	14:47	461	7.1	10,553	672	143.9	6.66	11,895	792	1.2	6.58	0	0	0
	15:02	472	6.8	13,500	743	148.4	6.66	4,797	770	2.8	6.58	6,926	33.8	6.59
	15:17	473	7.2	10,627	690	150.9	6.66	11,851	795	0.7	6.58	0	0	0
	15:32	473	6.9	13,365	778	156.3	6.66	5,507	733	2.1	6.58	5,935	29.9	6.59
	15:47	473	7.3	10,738	697	160.4	6.66	11,939	795	0.8	6.58	0	0	0
	16:02	466	7	13,143	828	165	6.66	6,392	726	2	6.58	4,784	30.8	6.58

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:17	469	7.4	10,937	681	176.9	6.68	11,640	801	0.9	6.59	498	15.5	6.58
	16:32	468	7.2	13,474	718	178.6	6.7	6,569	753	2.9	6.62	4,920	29.3	6.62
	16:47	479	6.9	10,416	711	213.1	6.7	11,688	779	0.7	6.62	0	0	0
	17:02	472	6.7	13,366	759	262.1	6.7	6,265	737	2.6	6.62	5,094	29.1	6.63
	17:17	459	7.1	10,599	680	278.1	6.72	11,896	797	0.8	6.64	0	0	0
	17:32	475	6.8	13,152	777	266.8	6.72	5,720	735	1.9	6.64	5,575	31.9	6.65
	17:47	463	7.2	10,745	692	253.2	6.73	11,772	800	1	6.65	249	10.5	6.65
	18:02	466	6.9	12,918	823	249.5	6.72	7,046	741	2	6.65	4,113	31.2	6.65
	18:17	464	7.3	10,956	685	240.6	6.73	10,906	797	0.9	6.65	1,245	21.9	6.65
	18:32	462	7.1	12,680	907	242.3	6.72	6,884	742	1.5	6.65	4,235	30.7	6.65
	18:47	466	7.4	11,133	695	240.1	6.72	10,939	798	1.2	6.65	1,245	19.9	6.65
	19:02	474	7.2	12,392	821	235.2	6.72	7,239	746	1.2	6.65	3,797	32.4	6.65
	19:17	467	7.5	11,492	686	229.1	6.72	10,141	802	1.2	6.65	2,031	21.6	6.65
	19:32	473	7.3	12,092	995	226.1	6.72	7,558	755	0.7	6.64	3,730	32.5	6.64
	19:47	475	7.6	11,746	685	218.5	6.72	10,183	797	1.6	6.64	1,963	20.4	6.64
	20:02	459	7.6	11,797	995	213.9	6.72	8,442	752	0.9	6.64	2,751	33.9	6.64
	20:17	476	7.8	12,071	690	208	6.72	9,584	798	1.8	6.64	2,542	24.2	6.64
	20:32	470	7.8	11,453	995	208.7	6.7	9,060	758	0.8	6.64	2,236	41	6.64
	20:47	473	7.9	12,385	674	204.7	6.7	8,947	798	1.9	6.64	3,110	20.2	6.64
	21:02	455	7.9	11,184	995	205.4	6.7	9,852	759	0.7	6.63	1,501	43.7	6.62
	21:17	459	7.9	12,671	695	199.6	6.69	7,721	799	1.9	6.62	4,229	22.5	6.62
	21:47	0	8	18,814	0	253.4	6.36	9,246	772	0.8	6.62	8,578	19	6.09
	22:02	475	8	881	798	252	8.55	711	962	3.2	7.06	261	18.1	7.36
	22:17	477	8	13,377	732	179.1	6.64	5,003	912	1	6.81	9,435	0.7	6.31
	22:32	486	7.7	13,556	760	178.6	7.03	6,847	760	2.7	6.92	4,753	19.8	6.91
	22:47	481	8.1	10,655	670	185.9	7	11,800	790	0.7	6.92	0	0	0
	23:02	481	7.8	13,179	809	191.3	7	5,924	736	2	6.96	5,363	29.6	6.96
	23:17	465	8.2	10,856	684	192.6	7	11,868	801	0.9	6.96	249	8.8	6.96
	23:32	479	8	12,916	834	193.5	7	6,654	736	1.8	6.96	4,403	31.1	6.95

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:47	475	8.4	11,037	687	194.8	7	11,023	802	1	6.94	1,244	19.9	6.94
	AVERAGES/TOTALS	473	6.68	1,078,060	776	204.9	6.72	506,297	801	2.4	6.65	445,511	35.1	6.65
	MAXIMUM	492	8.40	18,814	995	334.7	8.55	12,678	995	9.0	7.06	14,925	50.2	7.36
	MINIMUM	455	5.40	881	65	64.2	6.36	249	705	0.7	6.51	249	0.7	6.09
8/29/2020														
	0:02	478	8.1	12,644	911	196.7	6.98	6,477	741	1.5	6.94	4,563	32.4	6.94
	0:17	484	8.5	11,339	704	198.7	6.98	11,128	805	1.3	6.92	1,244	20.4	6.92
	0:32	472	8.3	12,370	864	199	6.97	6,735	704	1.3	6.92	1,086	35	6.92
	0:47	483	8.6	9,437	995	198.3	6.96	5,125	558	1.9	6.91	166	12.8	6.92
	1:02	477	8.3	13,524	681	195.2	6.96	6,873	742	3	6.91	4,213	21.7	6.91
	1:17	479	8.8	10,280	693	195.9	6.95	11,314	755	0.8	6.91	0	0	0
	1:32	472	8.5	13,482	710	198.5	6.94	5,643	757	2.5	6.91	5,617	30.1	6.91
	1:47	488	8.6	10,311	672	199.2	6.95	11,400	759	0.8	6.9	0	0	0
	2:02	475	8.3	13,426	729	197.5	6.95	5,435	747	2.5	6.89	5,819	31.3	6.89
	2:17	468	8.7	10,412	696	196.3	6.93	11,485	765	0.9	6.89	0	0	0
	2:32	478	8.5	13,308	738	197.4	6.93	5,547	731	2.4	6.89	5,636	31.4	6.89
	2:47	479	8.9	10,515	693	198.5	6.93	11,583	772	1	6.89	0	0	0
	3:02	0	7.2	13,091	772	197.3	6.93	5,820	725	2.2	6.89	5,149	33.6	6.88
	3:17	478	6.8	10,657	685	186.4	6.93	11,124	773	1.1	6.88	454	12.7	6.87
	3:32	462	6.7	12,887	842	179.7	6.92	6,502	721	1.9	6.87	4,350	32.2	6.87
	3:47	475	7.1	10,813	674	193.9	6.93	10,833	776	1.3	6.89	928	19.7	6.87
	4:02	482	6.9	12,552	898	202.3	6.95	6,150	729	1.6	6.89	4,674	34.9	6.89
	4:17	474	7.3	11,190	679	206.7	6.95	10,218	775	1.7	6.89	1,593	20.7	6.89
	4:32	476	7.1	12,266	912	209.8	6.95	6,686	730	1.4	6.9	4,087	36.4	6.89
	4:47	475	7.4	11,571	680	211.5	6.94	9,549	782	1.7	6.89	2,405	23.2	6.89
	5:02	476	7.4	11,960	995	211.9	6.93	7,486	731	1.4	6.89	3,461	42.1	6.89
	5:17	476	7.6	11,886	687	210.5	6.93	8,833	783	1.9	6.87	3,111	20.9	6.87
	5:32	473	7.6	11,652	995	209.8	6.91	8,230	732	1.5	6.87	1,093	43.8	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:47	475	7.8	12,239	690	208.3	6.91	0	0	2	6.86	0	26.8	6.87
	6:02	475	7.9	11,339	995	208.2	6.91	0	0	1.5	6.86	0	48.6	6.86
	6:17	469	7.9	12,575	678	206.3	6.89	0	0	2.1	6.86	0	28.1	6.86
	6:32	471	8	11,017	995	206.2	6.89	0	0	1.4	6.86	0	47.8	6.86
	6:47	472	8.1	12,901	681	205.2	6.89	0	0	2.3	6.84	0	30.5	6.85
	7:02	472	8.2	10,720	995	207.9	6.88	0	0	1.5	6.84	0	43.9	6.84
	7:17	472	8.2	13,219	680	206.7	6.88	0	0	2.5	6.84	0	34.1	6.84
	7:32	480	8.4	10,397	995	196.4	6.88	0	0	1.3	6.83	0	0	0
	7:47	465	8.3	12,711	221	214.6	6.87	0	0	3.9	6.82	0	32.8	6.82
	8:02	473	8.6	7,847	696	209.8	6.86	7,299	662	1.6	6.82	11	2.4	6.82
	8:17	475	8.5	12,345	890	207.3	6.86	6,433	719	1.4	6.82	4,308	38.5	6.82
	8:32	473	8.8	11,554	696	207.3	6.86	9,558	776	2.2	6.82	2,353	25.1	6.82
	8:47	476	8.5	11,021	995	208.2	6.86	9,650	729	2.4	6.82	1,203	47.6	6.81
	9:02	472	8.5	12,950	700	211.7	6.85	6,441	802	2.5	6.8	5,349	34	6.81
	9:17	473	8.7	10,636	995	219.2	6.93	10,515	732	2.1	6.88	509	40.8	6.87
	9:32	479	8.5	13,306	696	217.7	6.93	5,264	813	2.2	6.87	6,422	34.7	6.87
	9:47	481	8.6	10,373	995	217.5	6.92	11,137	738	1.7	6.87	0	0	0
	10:02	465	8.4	13,588	684	213.2	6.91	4,833	795	3	6.87	6,820	34.6	6.87
	10:17	467	8.7	10,286	995	210	6.91	11,105	745	1.8	6.86	0	0	0
	10:32	467	8.4	13,671	689	213.1	6.91	4,550	785	2.9	6.86	7,012	35	6.86
	10:47	448	8.8	10,317	995	211.9	6.89	11,213	747	1.8	6.86	0	0	0
	11:02	460	8.5	13,659	709	214.5	6.89	4,512	774	2.9	6.84	6,903	34.7	6.84
	11:17	459	8.8	10,328	652	212.4	6.88	11,215	746	1.9	6.84	0	0	0
	11:32	449	8.5	13,565	715	215.4	6.88	4,522	766	3	6.84	7,123	34.1	6.84
	11:47	458	8.8	10,391	687	214.4	6.88	11,243	752	2	6.82	0	0	0
	12:02	459	8.5	13,456	750	215.9	6.88	4,182	746	3	6.82	7,133	35.2	6.82
	12:17	455	8.8	10,538	694	215.3	6.86	11,475	761	2.2	6.82	0	0	0
	12:32	456	8.3	13,318	775	217.2	6.86	4,217	716	2.8	6.81	7,067	34.9	6.81
	12:47	467	8.6	10,692	708	213.8	6.86	11,642	776	2.4	6.81	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:02	465	8.3	13,080	825	216.9	6.86	4,553	714	2.7	6.81	6,447	37.5	6.81
	13:17	460	8.7	10,942	688	213.1	6.86	11,302	778	2.7	6.81	479	17.7	6.81
	13:32	462	8.4	12,817	885	214	6.86	5,207	716	3	6.81	5,562	37.2	6.81
	13:47	471	8.7	11,170	699	210.7	6.86	10,643	783	2.7	6.8	1,438	25.7	6.8
	14:02	460	8.5	12,528	925	212.2	6.86	6,016	718	2.8	6.8	4,826	40.4	6.8
	14:17	462	8.9	11,485	690	210.7	6.86	9,847	785	2.8	6.8	2,118	22.5	6.8
	14:32	473	8.3	12,226	995	216.6	6.89	6,636	721	2.8	6.8	4,083	41.7	6.87
	14:47	475	8.6	11,844	671	186.9	6.91	9,083	788	2.5	6.84	2,899	28.4	6.86
	15:02	473	8.4	11,930	995	203.1	6.93	7,439	723	2	6.86	3,324	45.4	6.87
	15:17	459	8.6	12,140	697	200.2	6.94	8,099	792	1.8	6.87	3,794	27.8	6.87
	15:32	468	8.5	11,613	995	200.4	6.93	8,190	726	2.5	6.87	2,703	45.6	6.87
	15:47	453	8.6	12,452	690	201.7	6.93	7,560	800	1.6	6.87	4,347	30.7	6.87
	16:02	464	8.6	11,273	995	203.6	6.92	9,018	729	1.6	6.85	1,951	48.7	6.85
	16:17	477	8.6	12,786	690	202.1	6.91	6,635	801	1.7	6.85	5,237	31.6	6.85
	16:32	464	8.7	10,992	995	204.6	6.9	9,720	730	1.6	6.84	1,191	46.8	6.84
	16:47	445	8.7	13,105	692	202.5	6.9	5,822	809	1.9	6.84	5,922	35.5	6.84
	17:02	461	8.5	10,679	995	202.9	6.9	10,472	729	1.7	6.82	503	42.8	6.82
	17:17	460	8.3	13,361	658	198.4	6.89	5,294	813	1.9	6.82	6,454	36.2	6.82
	17:32	465	8.6	10,335	995	197.4	6.89	11,079	736	1.5	6.82	0	0	0
	17:47	468	8.3	13,658	684	197.2	6.89	4,465	802	2.4	6.82	7,256	36.3	6.82
	18:02	461	8.6	10,335	995	194.8	6.89	11,200	746	1.8	6.82	0	0	0
	18:17	452	8.3	13,680	706	196.9	6.89	4,586	780	2.7	6.82	7,012	37	6.82
	18:32	459	8.7	10,351	995	199.7	6.88	11,189	747	1.5	6.82	0	0	0
	18:47	463	8.4	13,664	695	206.7	6.88	4,540	775	2.6	6.81	6,974	36.9	6.81
	19:02	452	8.7	10,360	677	203.3	6.88	11,204	749	1.4	6.8	0	0	0
	19:17	470	6.9	13,026	866	202.3	6.87	4,725	709	2.5	6.8	6,120	38	6.8
	19:32	466	7	11,633	663	192.9	6.86	9,246	809	4.3	6.8	3,068	16.9	6.8
	19:47	454	7	11,717	995	189.7	6.87	7,982	726	4.1	6.8	2,883	45	6.8
	20:02	461	7.1	12,414	687	205.6	6.88	7,562	799	3.6	6.81	4,365	35.8	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:17	463	7.5	10,262	667	209.9	6.88	11,159	746	4.9	6.81	0	0	0
	20:32	459	6.7	13,606	742	211.6	6.89	3,998	758	6.5	6.82	7,381	40.3	6.82
	20:47	456	7	10,463	689	209	6.89	11,430	764	4	6.82	0	0	0
	21:02	460	7	11,552	995	217.4	6.89	8,322	732	6	6.82	2,658	47.5	6.82
	21:17	467	7.1	12,549	677	216.6	6.89	7,184	804	3.9	6.83	4,783	35.8	6.83
	21:32	453	7.5	10,219	687	216.2	6.89	11,188	750	4.4	6.83	0	0	0
	21:47	469	7.1	13,613	748	220.6	6.89	3,892	749	6.1	6.83	7,469	39.7	6.84
	22:02	468	7.5	10,541	692	220.2	6.89	11,460	765	4	6.82	0	0	0
	22:17	461	7.4	11,490	995	226.9	6.88	8,474	733	5.8	6.82	2,478	45.8	6.82
	22:32	456	7.5	12,658	676	226.4	6.88	6,800	803	4	6.82	5,244	36.9	6.82
	22:47	459	7.9	10,243	701	228.1	6.88	11,199	750	3.6	6.82	0	0	0
	23:02	458	7.5	13,540	777	233.1	6.87	3,728	731	4.7	6.82	7,566	40.4	6.82
	23:17	454	7.8	10,686	690	232.2	6.86	11,447	771	4.3	6.81	0	0	0
	23:32	464	7.8	11,436	995	232.7	6.86	8,687	734	6.1	6.8	2,124	45.4	6.8
	23:47	452	7.8	12,817	677	227.8	6.86	6,515	808	4.9	6.8	5,465	39.6	6.8
AVERAGES/TOTALS		467	8.11	1,135,803	789	207.6	6.90	705,979	754	2.5	6.85	267,986	34.0	6.85
MAXIMUM		488	8.90	13,680	995	233.1	6.98	11,642	813	6.5	6.94	7,566	48.7	6.94
MINIMUM		445	6.70	7,847	221	179.7	6.85	3,728	558	0.8	6.80	11	2.4	6.80
8/30/2020														
	0:02	467	8.2	10,254	691	223.5	6.86	11,198	746	6.2	6.8	0	0	0
	0:17	449	7.8	13,498	799	221.2	6.86	3,693	729	8.2	6.8	7,717	42.5	6.8
	0:32	454	8.2	10,650	656	220	6.84	11,587	775	4.8	6.8	0	0	0
	0:47	455	8.2	11,258	995	225.1	6.84	8,999	733	6.8	6.79	1,954	47.4	6.79
	1:02	463	8.1	12,887	676	225.3	6.84	6,310	810	4.9	6.79	5,720	40.4	6.79
	1:17	449	8.5	10,239	689	222.5	6.84	11,182	747	5.6	6.79	0	0	0
	1:32	468	8.2	13,441	792	222.2	6.84	3,424	717	7.7	6.79	7,844	43.2	6.79
	1:47	464	8.5	10,778	681	218.7	6.83	11,661	779	5.4	6.79	0	8.2	6.8
	2:02	0	7.9	11,217	995	219.6	6.83	9,186	735	8	6.78	1,800	48.5	6.78

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:17	510	7.3	12,956	683	212.2	6.83	6,063	811	5.2	6.78	5,865	41.7	6.78
	2:32	505	7.8	10,222	672	209.1	6.83	11,240	745	6.2	6.78	0	0	0
	2:47	506	7.7	13,325	820	214.8	6.84	3,745	713	8.5	6.79	7,403	44.6	6.79
	3:02	500	8.2	10,899	670	220	6.84	11,489	781	5.4	6.79	230	10.3	6.79
	3:17	496	8.1	13,186	995	224.8	6.83	2,643	750	8.5	6.79	10,021	39.8	6.79
	3:32	506	7.9	14,432	995	216.9	6.82	689	914	9.6	6.79	11,458	35.6	6.79
	3:47	507	8	13,215	691	204.3	6.82	5,960	818	4.4	6.77	5,994	46.2	6.77
	4:02	515	8.5	10,309	680	192.9	6.82	11,280	748	6.6	6.77	0	0	0
	4:17	506	8.3	14,025	919	189.5	6.82	1,503	746	9.5	6.77	10,239	46	6.77
	4:32	516	8	14,441	938	185.8	6.81	234	939	9.8	6.78	12,312	29.6	6.77
	4:47	512	7.8	14,400	995	184	6.81	237	924	9.9	6.77	12,418	32	6.77
	5:02	508	7.5	14,650	995	183	6.82	232	921	9.8	6.78	11,460	40.7	6.77
	5:17	505	7.1	14,683	995	182	6.82	0	0	0	0	11,624	40.2	6.78
	5:32	0	7	8,249	0	180	6.82	464	914	9.4	6.79	6,235	41.5	6.79
	6:02	505	7.2	10,231	687	138.2	6.84	9,625	790	3.5	6.8	1,127	12.3	6.79
	6:17	510	7.4	11,004	995	144.5	6.84	9,607	726	5.3	6.8	1,266	47.2	6.8
	6:32	509	7.4	14,323	935	161.6	6.85	453	912	9.7	6.8	12,109	30.1	6.8
	6:47	506	7.4	13,927	939	164.2	6.84	0	0	0	0	13,716	21.8	6.8
	7:02	505	7.2	14,489	945	160.7	6.84	0	0	0	0	12,059	38.4	6.8
	7:17	499	7.2	13,899	932	155.8	6.84	229	908	9.6	6.8	13,490	14.9	6.8
	7:32	499	7.2	14,056	994	158.5	6.85	0	0	0	0	13,432	22.2	6.8
	7:47	0	6.1	10,934	809	160.2	6.86	2,156	842	7.6	6.82	7,132	35.8	6.81
	8:02	0	5.6	6,516	0	144.9	6.86	6,918	792	2.9	6.82	40	3	6.82
	8:17	512	6.1	290	0	148.2	6.85	122	524	9.5	6.82	165	9.8	6.82
	8:32	0	6.3	907	790	133.8	6.86	804	754	6.3	6.8	70	7.9	6.81
	8:47	499	5.9	11,567	994	125.5	6.86	9,829	760	2.1	6.82	1,350	45.3	6.82
	9:02	511	6.1	12,830	684	133.4	6.87	7,718	791	2.3	6.82	3,997	23.7	6.82
	9:17	528	6.7	10,188	671	154	6.87	11,189	748	0.7	6.82	0	0	0
	9:32	514	7.1	10,622	994	165.2	6.87	10,201	732	0.7	6.82	666	43.6	6.82

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:47	523	7.2	13,127	674	165	6.87	6,912	793	2.3	6.82	4,775	26	6.82
	10:02	517	7.9	10,210	688	162.1	6.86	11,270	751	0.7	6.82	0	0	0
	10:17	508	8.2	10,338	994	158.4	6.86	11,027	739	0.6	6.81	0	0	0
	10:32	511	8.3	13,443	679	154.5	6.85	6,297	790	2.7	6.8	5,210	28.4	6.8
	10:47	511	8.9	10,171	671	150.2	6.84	11,397	755	0.7	6.8	0	0	0
	11:02	0	7.7	10,143	995	149.1	6.84	11,410	756	0.6	6.8	0	0	0
	11:17	513	7.4	13,568	690	135.7	6.84	6,305	751	2.8	6.79	4,793	28.5	6.79
	11:32	499	8	10,182	696	143.1	6.84	11,261	751	0.7	6.79	0	0	0
	11:47	526	8.5	10,158	995	152.8	6.84	11,249	751	0.5	6.79	0	0	0
	12:02	513	8.5	13,519	687	156.8	6.83	6,553	741	2.9	6.78	4,523	27.6	6.78
	12:17	0	8	10,182	671	156.3	6.82	11,265	752	0.6	6.77	0	0	0
	12:32	0	6.7	10,106	667	143.1	6.83	11,278	747	0.5	6.77	0	0	0
	12:47	507	6.5	13,383	694	124.7	6.83	6,688	728	2.8	6.77	4,256	27.8	6.77
	13:02	510	7	10,128	647	140.8	6.83	11,204	749	0.7	6.77	0	0	0
	13:17	508	7.6	10,100	670	150.9	6.84	11,223	749	0.5	6.78	0	0	0
	13:32	513	7.8	13,385	0	160.3	6.84	3,575	422	2.8	6.78	3,213	27.3	6.78
	13:47	505	7.8	5,704	674	158.3	6.84	5,857	733	1	6.77	244	0.8	6.77
	14:02	0	7.7	9,953	667	151.5	6.84	11,110	737	0.6	6.77	0	0	0
	14:17	0	6	11,188	995	143.3	6.84	8,584	716	0.7	6.77	2,132	39.5	6.77
	14:32	507	5.7	11,419	664	124.2	6.84	8,882	734	2.5	6.77	1,794	13.4	6.77
	14:47	0	6.2	9,755	632	132.8	6.84	10,753	719	0.5	6.77	0	0	0
	15:02	498	5.9	12,930	668	158.3	6.84	6,628	676	3	6.77	3,807	20.8	6.77
	15:17	506	6.5	9,777	635	169	6.84	10,798	720	0.6	6.77	0	0	0
	15:32	498	6.8	10,661	995	181.6	6.84	8,832	694	0.6	6.77	1,506	45.2	6.77
	15:47	499	7.1	12,062	653	174.5	6.86	7,619	728	2.5	6.79	3,353	17.3	6.78
	16:02	509	7.7	9,662	644	164.6	6.86	10,719	712	0.5	6.79	0	0	0
	16:17	499	7.7	12,908	683	166.6	6.86	5,633	685	2.9	6.79	4,903	26.5	6.79
	16:32	507	8.2	9,807	640	158.2	6.86	10,803	724	0.7	6.78	0	0	0
	16:47	515	8.5	10,547	995	158.9	6.84	9,185	695	0.6	6.77	1,217	42.1	6.77

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:02	503	8.8	12,167	646	155.2	6.84	7,924	719	2.6	6.77	2,983	19.3	6.77
	17:17	0	7.2	12,705	995	153.6	6.84	4,478	488	2.3	6.76	2,168	15.9	6.75
	17:32	501	7.2	13,293	647	142.6	6.83	6,996	677	3.9	6.75	3,645	13	6.75
	17:47	502	7.9	9,662	646	145.6	6.83	10,664	708	0.6	6.75	0	0	0
	18:02	515	8	11,642	995	156.1	6.83	7,609	683	1.3	6.75	2,554	28.5	6.75
	18:17	511	8.5	10,999	648	153.8	6.83	9,489	716	1.8	6.75	1,464	12.4	6.76
	18:32	0	8.6	9,629	647	160.5	6.83	10,651	708	0.5	6.75	0	0	0
	18:47	510	8.6	12,993	636	160.2	6.83	6,771	692	3.1	6.75	3,802	25.9	6.75
	19:02	517	8.7	9,678	639	153.1	6.81	10,619	708	0.6	6.75	0	0	0
	19:17	517	8.4	11,486	995	155.1	6.81	7,720	684	1.2	6.74	2,554	32.8	6.73
	19:32	0	8.1	11,134	635	152.8	6.81	9,104	714	1.9	6.73	1,776	12.5	6.73
	19:47	510	7.9	9,641	636	143.8	6.8	10,519	704	0.5	6.73	0	0	0
	20:02	509	8.1	11,084	995	147.4	6.79	8,201	685	0.9	6.72	2,046	35.6	6.72
	20:17	502	8.6	11,464	637	151	6.79	8,713	708	2.1	6.73	2,120	15	6.73
	20:32	0	7.9	9,617	641	158	6.79	10,582	703	0.6	6.72	0	0	0
	20:47	512	7.9	10,711	995	159.6	6.78	8,609	688	0.7	6.72	1,763	43.2	6.72
	21:02	506	8.3	11,794	622	154.8	6.77	8,347	710	2.5	6.72	2,552	14.1	6.72
	21:17	0	7.9	9,597	642	168.4	6.77	10,543	702	0.7	6.7	0	0	0
	21:32	511	8.2	10,356	995	171.5	6.76	9,306	687	0.8	6.7	1,034	47.4	6.7
	21:47	510	8.5	12,242	630	168.6	6.84	7,030	720	2.4	6.85	3,874	20.2	6.75
	22:02	505	8.1	9,553	636	176.8	6.87	10,444	698	0.7	6.85	0	0	0
	22:17	509	8.5	9,993	995	176.5	6.87	9,968	686	0.8	6.85	339	38.8	6.85
	22:32	508	8.7	12,576	637	174	6.86	6,125	725	2.8	6.85	4,806	25.3	6.85
	22:47	514	8	9,590	639	175.9	6.85	10,468	700	0.8	6.85	0	0	0
	23:02	518	8.5	9,682	995	168.7	6.85	10,418	697	0.8	6.85	0	0	0
	23:17	508	8.7	12,945	630	171.4	6.86	5,488	711	3.1	6.85	5,324	26.2	6.85
	23:32	511	8.4	9,552	622	170.6	6.86	10,591	702	0.9	6.85	0	0	0
	23:47	0	8.5	9,596	995	175.9	6.86	10,505	701	0.9	6.85	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		503	7.69	1,062,894	782	168.3	6.84	714,069	738	3.3	6.78	301,443	29.1	6.78
MAXIMUM		528	8.90	14,683	995	225.3	6.87	11,661	939	9.9	6.85	13,716	48.5	6.85
MINIMUM		449	5.60	290	622	124.2	6.76	122	422	0.5	6.70	40	0.8	6.70
8/31/2020														
	0:02	509	7.8	13,042	632	171.2	6.86	5,577	703	3.2	6.85	5,179	26.4	6.85
	0:17	508	8.4	9,574	639	171.4	6.86	10,450	698	1	6.85	0	0	0
	0:32	505	8.1	9,540	995	175.7	6.86	10,443	699	0.9	6.85	0	0	0
	0:47	507	8.1	13,017	639	191.9	6.86	1,546	204	3.2	6.85	915	26.7	6.85
	1:02	505	8.6	8,440	654	182.6	6.86	7,418	583	1.4	6.85	51	1.1	6.85
	1:17	505	8.2	9,767	653	177.9	6.86	10,812	720	1.1	6.85	0	0	0
	1:32	513	8.1	13,089	712	181	6.85	5,110	702	3	6.85	5,830	28.1	6.85
	1:47	0	8.6	10,057	660	177.1	6.85	11,117	741	1.6	6.85	0	0	0
	2:02	510	8	9,826	638	176.8	6.85	10,947	728	1.3	6.85	0	0	0
	2:17	512	8	12,876	744	179	6.85	5,399	697	3	6.85	5,376	29.7	6.85
	2:32	508	8.5	10,224	666	182.3	6.85	10,747	742	1.9	6.85	486	14.7	6.85
	2:47	511	8.4	9,782	653	186.1	6.85	10,949	727	1.2	6.84	0	0	0
	3:02	505	8.4	12,627	834	174	6.85	5,790	703	2.4	6.84	4,849	31.2	6.84
	3:17	0	8.2	10,475	634	173.6	6.84	10,157	741	1.4	6.84	1,211	18.7	6.84
	3:32	512	8.3	9,761	654	165.3	6.83	10,700	714	1	6.84	0	0	0
	3:47	505	8.3	12,283	916	171.4	6.83	6,052	696	1.8	6.84	4,468	32.6	6.84
	4:02	0	8.3	10,954	647	172.2	6.83	9,657	741	1.7	6.84	1,806	18.2	6.84
	4:17	511	8.6	9,804	643	169	6.83	10,653	714	1	6.84	0	0	0
	4:32	512	8	11,923	995	169.4	6.83	6,801	693	1.9	6.84	3,798	34.2	6.83
	4:47	511	8.4	11,260	647	170.9	6.83	9,092	743	2	6.83	2,359	19.3	6.84
	5:02	502	8.3	9,794	655	177.5	6.83	10,697	713	1	6.83	0	0	0
	5:17	506	8.4	11,549	995	170.2	6.83	7,329	701	1.8	6.82	3,284	38.8	6.82
	5:32	0	8.3	11,629	657	177.3	6.82	8,085	753	1.9	6.82	3,499	18	6.82
	5:47	507	8.5	9,764	652	170.7	6.82	10,809	720	1.1	6.82	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	503	8	11,201	995	174.7	6.82	8,083	703	2	6.82	2,504	41.7	6.82
	6:17	510	8.3	11,932	649	172.9	6.82	7,860	748	2.3	6.82	3,521	21.7	6.82
	6:32	0	8.2	9,780	642	179.4	6.82	10,706	712	1	6.81	0	0	0
	6:47	514	8.2	10,871	995	173.6	6.82	8,724	697	1.8	6.81	1,782	48.5	6.81
	7:02	510	8.5	12,244	639	177.5	6.82	6,816	752	2.1	6.81	4,606	20.9	6.81
	7:17	506	8.2	9,729	650	180.6	6.81	10,648	712	1	6.8	0	0	0
	7:32	510	8.5	10,504	995	172.9	6.81	9,422	700	1.8	6.8	1,085	47.3	6.8
	7:47	515	8.7	12,665	666	180.1	6.8	6,044	763	2.3	6.8	5,441	25.3	6.8
	8:02	506	8.9	9,736	653	183.8	6.8	10,718	713	1.1	6.8	0	0	0
	8:17	504	8.8	10,165	994	177.8	6.8	10,091	700	1.8	6.8	347	39.3	6.8
	8:32	516	8.9	12,983	667	184.6	6.8	5,404	768	2.4	6.8	6,123	28.6	6.8
	8:47	510	8.5	12,628	851	188.4	6.8	5,256	681	1.4	6.8	5,200	28.5	6.8
	9:02	507	8.3	13,889	718	185.7	6.8	3,823	767	3.6	6.8	7,888	21.5	6.8
	9:17	512	8.9	10,066	654	188.8	6.8	10,954	734	1.5	6.8	0	0	0
	9:32	512	8.9	10,606	738	190.5	6.8	11,532	767	1.9	6.8	0	0	0
	9:47	0	7	13,395	841	187.6	6.8	5,172	772	4.3	6.8	6,194	30.7	6.8
	10:02	502	7.1	11,771	763	167.7	6.8	12,188	840	1.6	6.8	492	15.6	6.8
	10:17	507	7.5	11,344	747	174.7	6.8	12,191	818	2.4	6.8	0	0	0
	10:32	508	7.5	13,305	897	193.6	6.8	5,871	790	5.2	6.8	5,360	32.7	6.8
	10:47	509	7.7	12,070	751	193.6	6.8	11,277	850	2.1	6.8	1,676	21.5	6.8
	11:02	492	8.1	11,357	750	200.3	6.82	12,332	820	4.3	6.81	0	0	0
	11:17	502	7.9	13,754	812	206.4	6.82	4,766	819	7	6.81	7,127	31.7	6.8
	11:32	509	8.4	11,650	757	202.2	6.82	12,563	837	2.3	6.8	0	0	0
	11:47	496	8.6	11,368	758	203.5	6.82	12,310	816	6	6.8	0	0	0
	12:02	501	8.4	13,916	812	204.7	6.82	4,638	846	6.6	6.8	7,231	31.8	6.8
	12:17	501	8.8	11,628	774	198	6.82	12,527	835	2.2	6.8	0	0	0
	12:32	497	8.7	13,231	921	199.6	6.82	5,922	822	4	6.8	5,635	32.1	6.8
	12:47	517	8.8	13,218	779	196.7	6.82	6,298	898	2.9	6.8	7,628	7.9	6.8
	13:02	504	8.8	11,490	775	194.6	6.82	12,449	825	4.4	6.8	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	504	8.7	13,020	911	192.6	6.82	7,118	805	7.7	6.8	4,491	36.6	6.8
	13:32	507	8.6	14,091	995	193.5	6.82	1,892	948	2.7	6.8	11,335	15.7	6.8
	13:47	502	8.6	13,484	848	192.5	6.82	8,664	936	2.6	6.8	4,567	19.8	6.8
	14:02	508	8.7	12,474	995	193.8	6.83	12,384	895	3.8	6.81	1,041	13	6.82
	14:17	516	8.6	13,925	830	195.1	6.84	5,575	930	3	6.84	6,843	30.6	6.82
	14:32	0	8.6	12,870	995	182.8	6.86	11,290	924	3.9	6.84	2,094	33.5	6.85
	14:47	494	6.8	13,161	739	167.3	6.87	5,306	819	2.4	6.85	6,840	21	6.85
	15:02	509	7.2	10,579	684	142.7	6.87	12,451	831	1.5	6.85	0	0	0
	15:17	504	7.6	10,940	995	156.4	6.88	11,758	811	1.8	6.85	422	41	6.86
	15:32	504	7.6	13,482	704	159.7	6.9	7,146	893	3	6.87	6,109	29	6.87
	15:47	513	7.5	13,062	907	125.4	6.9	5,621	832	1.3	6.87	6,468	14.5	6.87
	16:02	502	8	11,100	686	147.3	6.92	10,858	785	1.4	6.87	1,234	17.2	6.87
	16:17	508	8.5	10,216	697	139.8	6.92	11,264	751	0.8	6.87	0	0	0
	16:32	515	8.5	12,320	921	136.8	6.94	6,891	724	1.8	6.87	4,050	34.3	6.87
	16:47	511	8.9	11,405	680	131.2	6.94	9,881	781	1.6	6.87	2,007	22.2	6.87
	17:02	0	7.3	12,909	922	129	6.94	4,662	748	0.7	6.85	6,543	19.1	6.87
	17:17	509	5.8	12,902	660	122.5	6.94	4,620	840	1	6.85	9,221	3.9	6.86
	17:32	517	6.4	10,125	668	118.8	6.94	11,018	736	0.8	6.85	0	0	0
	17:47	512	6.4	12,361	919	126.6	6.94	6,738	708	1.6	6.85	4,014	33.8	6.86
	18:02	512	6.9	11,300	679	133.8	6.95	10,266	776	1.7	6.87	1,569	20.2	6.87
	18:17	507	7.4	10,089	665	136.8	6.95	11,077	734	0.7	6.87	0	0	0
	18:32	515	7.4	11,991	995	136.9	6.97	7,276	711	1.2	6.87	3,460	34.8	6.88
	18:47	509	7.8	11,566	688	137.4	6.97	9,627	768	2.1	6.88	2,187	21.8	6.89
	19:02	514	8.4	10,069	676	140.2	6.95	11,036	733	0.9	6.87	0	0	0
	19:17	0	7.8	11,666	995	144.9	6.95	7,786	714	1.2	6.87	2,997	37.7	6.87
	19:32	504	7.7	11,860	663	145.2	6.94	8,740	767	2.3	6.87	2,962	23.4	6.87
	19:47	512	8.3	10,031	683	148.1	6.94	10,973	734	0.9	6.85	0	0	0
	20:02	0	7.7	11,317	995	151.4	6.94	8,516	716	1	6.85	2,382	40.4	6.85
	20:17	500	7.5	12,130	659	153.7	6.92	8,146	767	2.7	6.86	3,507	25.1	6.86

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:32	505	8.1	9,994	645	155.3	6.92	10,923	732	1	6.85	0	0	0
	20:47	0	7.8	10,945	995	160.9	6.91	9,183	717	1	6.84	1,616	46.6	6.85
	21:02	515	7.9	12,409	651	161.5	6.9	7,273	767	2.8	6.85	4,362	25.5	6.85
	21:17	509	8.4	9,994	659	164.9	6.9	10,929	730	1.1	6.84	0	0	0
	21:32	0	8.2	10,583	995	168.7	6.9	9,836	715	1.1	6.84	927	46.9	6.84
	21:47	503	7.4	12,767	650	169	6.89	6,316	770	3	6.85	5,421	28.8	6.85
	22:02	508	8	9,905	666	170.2	6.89	10,898	728	1.1	6.84	0	0	0
	22:17	0	8	10,258	995	176.9	6.89	10,550	717	1	6.83	193	30.3	6.82
	22:32	514	6.9	13,095	658	178.4	6.88	5,432	780	3.3	6.84	6,396	32.2	6.84
	22:47	513	7.5	9,887	654	177.8	6.87	10,975	726	1.2	6.83	0	0	0
	23:02	0	7.8	9,883	995	185.4	6.87	10,970	728	1	6.82	0	0	0
	23:17	507	6.9	13,449	643	193.4	6.87	4,891	751	3.4	6.83	6,660	32.3	6.83
	23:32	507	7.5	9,861	657	193.3	6.87	10,947	730	1.2	6.82	0	0	0
	23:47	506	7.9	9,836	995	201.5	6.87	10,790	725	1	6.82	0	0	0
AVERAGES/TOTALS		508	8.06	1,102,864	773	171.8	6.86	841,415	755	2.2	6.83	244,869	27.4	6.83
MAXIMUM		517	8.90	14,091	995	206.4	6.97	12,563	948	7.7	6.88	11,335	48.5	6.89
MINIMUM		492	5.80	8,440	632	118.8	6.80	1,546	204	0.7	6.80	51	1.1	6.80

MONTHLY SUMMARY

AVERAGES/TOTALS	472	7.24	16,061,687	764	107.7	6.87	12,762,201	787	2.4	6.81	3,371,205	24.7	6.80
MAXIMUM	541	8.90	18,814	995	353.9	8.55	14,922	996	9.9	7.75	14,925	50.2	7.74
MINIMUM	107	3.90	3	15	10.5	4.97	122	4	0.4	6.51	3	0.5	5.65

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

SEPTEMBER 2020

Downloaded: 10/2/2020

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
9/1/2020														
	0:02	516	7	13,440	675	208	6.85	4,527	757	3.1	6.82	7,025	31.7	6.82
	0:17	505	7.6	9,854	646	211.7	6.85	10,961	728	1.4	6.82	0	0	0
	0:32	515	8.2	9,799	672	219.1	6.85	10,913	725	1.2	6.8	0	0	0
	0:47	512	7	13,433	647	224.2	6.84	4,546	751	2.9	6.8	7,081	31.7	6.8
	1:02	508	7.6	9,868	637	219.9	6.83	10,883	728	1.5	6.8	0	0	0
	1:17	505	8.2	9,807	642	226.3	6.83	10,900	725	1.2	6.8	0	0	0
	1:32	504	6.8	13,373	663	232.4	6.83	4,298	738	2.7	6.79	7,209	33.1	6.8
	1:47	513	7.4	9,883	646	223.8	6.82	10,970	732	1.7	6.79	0	0	0
	2:02	513	8	9,804	646	229.8	6.82	10,891	726	1.3	6.78	0	0	0
	2:17	517	7	13,277	686	241.7	6.82	4,165	719	2.4	6.79	7,344	32.8	6.8
	2:32	511	7.5	9,982	654	230.7	6.82	11,049	738	2	6.79	0	0	0
	2:47	521	8.2	9,762	667	238.7	6.82	10,894	724	1.5	6.78	0	0	0
	3:02	509	7.5	13,040	742	244.1	6.82	3,991	686	2.3	6.78	7,305	34.6	6.8
	3:17	503	8	10,212	659	238.4	6.82	11,213	748	2.3	6.79	0	6	6.8
	3:32	503	8.6	9,823	640	246.1	6.81	10,883	726	1.7	6.78	0	0	0
	3:47	511	7.5	12,800	812	249.9	6.8	4,686	693	2.7	6.78	6,348	35	6.78
	4:02	511	8	10,471	662	240	6.8	10,472	748	2.5	6.78	957	27.5	6.78
	4:17	515	8.6	9,767	655	243.1	6.8	10,922	724	1.9	6.78	0	0	0
	4:32	518	7.5	13,219	706	247.9	6.8	4,133	710	3.5	6.78	7,255	34.2	6.78
	4:47	505	8.1	10,065	644	258.4	6.78	11,145	741	2.3	6.78	0	0	0
	5:02	512	8.7	9,753	654	247.7	6.78	10,869	721	2.1	6.77	0	0	0
	5:17	510	7.7	12,998	787	239.4	6.78	4,107	688	3.9	6.77	7,142	35.9	6.77
	5:32	510	8.3	10,308	647	224	6.78	11,075	750	2.5	6.77	235	9.8	6.77

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:47	515	8.2	9,731	654	218.4	6.78	10,842	723	1.9	6.77	0	0	0
	6:02	522	8.1	12,732	831	204.9	6.77	4,863	693	3.3	6.77	5,996	33.8	6.77
	6:17	0	8.6	10,571	655	205.3	6.77	10,279	751	2.4	6.77	1,215	29	6.77
	6:32	513	8.4	9,774	638	199.5	6.77	10,820	721	1.7	6.75	0	0	0
	6:47	509	8.4	12,412	920	195.6	6.77	5,560	695	2.7	6.75	5,165	34.5	6.75
	7:02	512	8.3	10,873	655	191.8	6.77	9,644	753	2.4	6.76	2,116	21.9	6.77
	7:17	514	8.9	9,747	651	188.1	6.77	10,808	720	1.6	6.75	0	0	0
	7:32	511	7.1	12,723	845	187.6	6.77	4,484	719	2.2	6.75	6,526	28.4	6.75
	7:47	503	7.6	10,554	668	172.7	6.76	10,305	751	2.1	6.75	1,230	25.2	6.75
	8:02	506	8.3	9,758	665	176.2	6.76	10,780	719	1.5	6.75	0	0	0
	8:17	0	6.7	12,895	913	186.3	6.77	4,114	721	2	6.75	7,012	27.5	6.76
	8:32	508	7	10,920	656	170	6.77	9,320	754	1.9	6.76	2,711	8.9	6.76
	8:47	510	7.7	9,733	643	173.2	6.77	10,801	717	1.5	6.75	0	0	0
	9:02	513	7.6	12,486	919	208	6.77	5,214	687	2.4	6.77	5,382	31.9	6.77
	9:17	510	8.2	10,738	664	230.7	6.77	10,148	766	2.9	6.77	1,688	23.4	6.77
	9:32	512	8.7	9,902	662	253.5	6.78	11,492	767	3.2	6.77	0	0	0
	9:47	0	7.4	12,292	945	269	6.77	6,332	741	5.1	6.77	5,079	38.3	6.77
	10:02	507	6.1	11,356	651	269.4	6.77	9,736	811	4.6	6.77	2,781	26.9	6.77
	10:17	517	6.4	10,537	995	282.3	6.77	10,234	747	5.6	6.76	979	47	6.75
	10:32	512	6.6	13,041	646	292.8	6.78	5,728	849	6	6.78	6,942	34.5	6.77
	10:47	0	6.5	10,359	995	287.3	6.8	10,370	767	4.3	6.79	1,315	26.5	6.8
	11:02	501	6.1	13,697	653	278.8	6.82	4,205	884	5.9	6.82	8,880	35.7	6.81
	11:17	516	6.6	9,844	645	272.5	6.83	11,470	766	3.5	6.82	0	0	0
	11:32	511	7.1	9,854	995	258.1	6.85	11,466	763	4.7	6.83	0	0	0
	11:47	513	7.1	13,729	665	239.1	6.87	4,506	818	5.6	6.85	7,964	34.8	6.85
	12:02	509	7.6	9,853	663	212.8	6.89	11,526	769	2.9	6.87	0	0	0
	12:17	511	8.2	9,853	995	197.4	6.9	11,514	766	2.5	6.87	0	0	0
	12:32	509	8.1	13,614	673	190	6.9	5,057	810	4.4	6.88	7,366	32.5	6.88
	12:47	501	8.6	9,980	653	173.1	6.91	11,537	769	2.4	6.89	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:02	0	8	11,055	995	171.4	6.92	8,785	765	2	6.89	2,926	28.6	6.89
	13:17	0	6.2	12,821	655	123.9	6.92	6,297	838	3.1	6.89	6,445	20.1	6.89
	13:32	506	6.3	9,846	665	135.2	6.92	11,498	764	1.1	6.89	0	0	0
	13:47	510	6.6	10,456	995	153.2	6.94	10,504	747	0.8	6.9	782	45.9	6.9
	14:02	507	6.8	12,848	673	167.2	6.96	6,988	819	2.5	6.94	5,454	27.3	6.92
	14:17	0	5.9	11,707	995	171.7	6.99	7,967	741	1.3	6.95	3,435	31.8	6.95
	14:32	502	6.1	11,492	657	157.6	6.99	9,901	792	1.8	6.95	2,237	15.6	6.95
	14:47	0	5.8	10,809	995	159.6	7.01	9,712	742	0.8	6.97	1,542	35	6.97
	15:02	501	5.8	12,093	643	156.7	7.02	7,896	796	2.5	6.97	3,931	22.8	6.97
	15:17	519	6.3	9,830	649	157.7	7.04	11,385	761	0.7	6.99	0	0	0
	15:32	505	6.7	10,399	995	163	7.04	10,524	744	0.8	6.99	588	44.8	7
	15:47	512	6.8	12,910	663	161.7	7.06	6,836	807	2.4	7.01	5,329	27.1	7.01
	16:02	506	7.4	9,846	671	150.2	7.07	11,538	767	0.7	7.01	0	0	0
	16:17	502	7.8	10,092	995	145.3	7.07	11,239	754	0.6	7.01	0	0	0
	16:32	508	7.9	13,150	667	144.1	7.07	6,517	790	3	7.02	5,555	29	7.02
	16:47	0	8.3	9,922	995	134.1	7.08	11,508	766	0.7	7.02	0	0	0
	17:02	505	7.2	13,305	648	130.3	7.08	7,101	757	2.9	7.02	4,788	22.9	7.02
	17:17	513	7.7	9,916	653	121.6	7.08	11,467	766	0.7	7.02	0	0	0
	17:32	513	8.3	9,907	645	129.9	7.09	11,496	767	0.6	7.02	0	0	0
	17:47	502	8.3	13,253	657	136.1	7.09	6,817	751	3	7.02	4,961	26.2	7.02
	18:02	497	8.8	9,919	654	137.3	7.09	11,509	768	0.8	7.03	0	0	0
	18:17	513	8.9	9,925	669	140.5	7.09	11,521	767	0.7	7.02	0	0	0
	18:32	505	8.5	13,223	671	145	7.09	6,738	766	2.9	7.03	5,357	27.8	7.03
	18:47	503	7.5	12,545	957	147.3	7.09	7,350	735	2.3	7.03	3,960	21.9	7.02
	19:02	492	8	10,691	642	146.5	7.09	10,893	787	1.5	7.02	1,245	17.5	7.03
	19:17	509	8.6	9,894	676	153.7	7.09	11,509	767	0.8	7.03	0	0	0
	19:32	511	7.4	12,920	716	157.5	7.1	5,666	742	2.4	7.04	5,958	30.8	7.04
	19:47	509	7.9	10,331	664	155.1	7.1	11,140	782	1.3	7.04	747	17.8	7.04
	20:02	492	8.5	9,869	669	157.5	7.11	11,545	767	0.8	7.04	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:17	506	7.4	12,666	963	160	7.11	6,294	739	1.9	7.04	5,099	31.8	7.04
	20:32	499	7.8	10,671	647	156.5	7.11	10,572	788	1.6	7.05	1,494	23	7.06
	20:47	501	8.4	9,879	666	159.8	7.11	11,463	764	0.8	7.05	0	0	0
	21:02	0	7.3	12,323	951	166.1	7.11	6,657	739	1.6	7.05	4,783	34.5	7.04
	21:17	507	7.6	11,025	662	164.3	7.09	10,164	788	1.9	7.04	1,894	20.5	7.04
	21:32	505	8.2	9,851	654	164.1	7.09	11,508	763	0.9	7.04	0	0	0
	21:47	505	7.5	11,937	995	165.9	7.09	6,931	737	1.5	7.04	4,308	36.7	7.04
	22:02	510	7.9	11,396	669	162.6	7.09	9,704	791	2.2	7.04	2,526	22.6	7.04
	22:17	505	8.5	9,900	655	164.1	7.09	11,370	761	0.9	7.04	0	0	0
	22:32	0	7.6	11,611	995	166.7	7.09	7,748	741	1.4	7.04	3,578	39	7.04
	22:47	505	7.7	11,718	656	163.2	7.09	8,933	792	2.2	7.04	3,335	23.5	7.04
	23:02	507	8.3	9,839	669	165.8	7.09	11,409	762	0.9	7.04	0	0	0
	23:17	0	7.6	11,283	995	170.2	7.09	8,513	742	1.3	7.04	2,755	43.3	7.04
	23:32	511	7.7	12,072	670	169.5	7.08	8,191	801	2.4	7.04	4,153	24.7	7.04
	23:47	514	8.2	9,841	646	172.5	7.07	11,397	761	0.9	7.04	0	0	0
	AVERAGES/TOTALS	509	7.62	1,069,282	736	193.2	6.92	866,349	754	2.2	6.89	237,413	28.9	6.89
	MAXIMUM	522	8.90	13,729	995	292.8	7.11	11,545	884	6.0	7.05	8,880	47.0	7.06
	MINIMUM	492	5.80	9,731	637	121.6	6.76	3,991	686	0.6	6.75	235	6.0	6.75
9/2/2020														
	0:02	0	7.8	10,937	995	177.3	7.07	9,301	744	1.4	7.04	1,921	48.5	7.04
	0:17	499	7.6	12,419	658	174.4	7.07	6,801	807	2.4	7.04	5,575	27	7.04
	0:32	507	8.1	9,820	657	174.6	7.07	11,390	759	0.9	7.04	0	0	0
	0:47	0	7.9	10,632	995	179.4	7.07	10,056	745	1.4	7.04	1,155	47.1	7.04
	1:02	501	7.8	12,707	664	178.5	7.07	6,329	816	2.6	7.04	6,094	30	7.04
	1:17	502	8.3	9,832	637	181.2	7.07	11,444	761	1	7.04	0	0	0
	1:32	0	8	10,676	995	185.5	7.07	9,836	743	1.4	7.03	1,370	47.6	7.03
	1:47	499	7.7	12,697	656	185.2	7.06	6,293	814	2.6	7.03	6,119	29.8	7.03
	2:02	508	8.3	9,819	641	185.9	7.06	11,427	761	1.1	7.02	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:17	0	8.1	10,350	995	189	7.06	10,564	744	1.7	7.02	574	40.8	7.02
	2:32	505	7.8	13,050	664	188.8	7.06	5,788	824	2.9	7.03	6,781	32.2	7.02
	2:47	504	8.4	9,822	648	187.9	7.06	11,399	761	1.2	7.02	0	0	0
	3:02	0	8.3	10,128	995	192.3	7.06	10,982	744	1.4	7.03	194	10.4	7.02
	3:17	503	7.6	13,156	649	190	7.05	5,400	826	2.9	7.02	7,117	33.6	7.02
	3:32	504	8.2	9,811	650	187.6	7.04	11,341	760	1.1	7.01	0	0	0
	3:47	0	8.4	9,822	995	187.1	7.04	11,376	760	1.3	7.02	0	0	0
	4:02	503	7.7	13,519	646	187.7	7.04	5,210	790	3.2	7.03	7,096	33.3	7.03
	4:17	510	8.3	9,834	656	185.6	7.04	11,443	758	1.1	7.02	0	0	0
	4:32	0	8.6	9,805	995	189.4	7.04	11,382	760	1.1	7.03	0	0	0
	4:47	505	7.6	13,485	664	186.2	7.04	4,944	789	3.2	7.02	7,354	33.2	7.02
	5:02	499	8.2	9,822	641	186	7.04	11,383	759	1.2	7.01	0	0	0
	5:17	0	8.5	9,768	995	189.9	7.04	11,356	755	1.2	7.01	0	0	0
	5:32	504	7.1	13,463	653	190.3	7.04	4,943	789	3.2	7.01	7,379	33.7	7.01
	5:47	504	7.7	9,803	664	184.5	7.04	11,390	757	1.2	7.01	0	0	0
	6:02	504	8.2	9,801	636	185.6	7.04	11,388	759	1.3	7.01	0	0	0
	6:17	504	8.1	13,465	657	192.5	7.04	4,910	787	3.2	7.01	7,360	33.7	7.01
	6:32	29	8.6	9,849	645	190.5	7.04	11,399	760	1.3	7.01	0	0	0
	6:47	501	8.4	9,820	652	189.2	7.04	11,376	758	1.4	7.01	0	0	0
	7:02	501	8.3	13,462	670	194.4	7.03	4,880	780	3.2	7.01	7,452	33.8	7.01
	7:17	0	7.9	10,458	995	194.9	7.02	10,480	746	1.7	7.01	795	45.9	7.01
	7:32	0	6.6	11,133	0	190.9	7.02	0	0	3.4	7.01	288	25.4	7.01
	7:47	498	7	7,548	639	186.1	7.02	8,728	798	1.7	7.01	176	1.2	7.01
	8:02	499	7.6	9,761	669	183.2	7.02	11,509	764	1.2	7.01	0	0	0
	8:17	0	6.1	13,002	760	192.2	7.04	5,024	737	2.1	7.01	6,737	34.7	7.01
	8:32	510	6.2	10,378	656	184	7.04	11,520	792	1.8	7.01	498	18.9	7.01
	8:47	509	6.8	9,798	676	186.7	7.04	11,363	759	1.1	7.01	0	0	0
	9:02	494	5.6	13,095	882	197	7.04	4,784	735	2.2	7.02	7,204	34.5	7.03
	9:17	506	5.9	11,490	659	187.6	7.04	10,593	790	2.7	7.03	1,493	20.6	7.03

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:32	508	6.5	9,787	659	184.1	7.06	11,418	760	1.4	7.03	0	0	0
	9:47	507	6.4	12,764	872	195.8	7.06	5,269	733	2.7	7.03	6,384	35.7	7.03
	10:02	494	6.9	10,590	642	193.7	7.06	10,916	792	1.9	7.03	1,244	30.2	7.03
	10:17	515	7.5	9,846	665	188.2	7.06	11,427	763	1.6	7.03	0	0	0
	10:32	0	7.3	12,458	0	197.5	7.04	3,729	729	3.5	7.02	7,447	33.8	7.02
	11:02	502	7.3	15	869	183.6	7.06	0	0	0	0	0	2.2	7.01
	11:17	508	7.8	10,022	635	146.8	7.06	11,599	804	1.8	7.01	0	2.2	7.02
	11:32	516	8.4	9,832	643	160.1	7.05	11,430	764	1.2	7.01	0	0	0
	11:47	505	8.3	12,842	852	172.4	7.04	5,601	745	2.2	7	6,198	33.8	7
	12:02	495	8.8	10,723	643	174	7.04	11,295	808	1.7	6.99	995	25.7	7
	12:17	0	7.1	12,848	843	177	7.04	5,532	741	2.2	6.99	6,120	32.9	6.99
	12:32	507	7.2	10,659	668	152.8	7.04	11,240	802	1.7	6.99	995	23.9	6.99
	12:47	504	7.9	9,794	645	159.1	7.04	11,496	765	1.1	6.99	0	0	0
	13:02	504	7.9	12,545	968	173.8	7.04	6,465	736	1.9	6.99	5,145	33.3	6.99
	13:17	505	8.3	10,837	653	170.4	7.04	10,890	808	1.7	6.99	1,493	21.5	6.99
	13:32	0	8.8	9,841	657	173.5	7.03	11,552	770	1	6.98	0	0	0
	13:47	507	8.4	12,794	883	173.7	7.02	4,829	767	0.9	6.97	7,256	21.7	6.97
	14:02	496	8.6	12,666	800	166.6	7.02	12,865	958	1.3	6.97	1,493	15.2	6.97
	14:17	501	8.5	13,070	995	167.8	7.02	8,779	944	1.1	6.97	4,866	23	6.97
	14:32	496	7.6	13,047	736	157.3	7.03	9,851	938	1.7	6.98	3,996	15.3	6.97
	14:47	0	6.1	11,698	995	128.2	7.04	11,365	875	1.1	6.99	1,694	15.2	6.99
	15:02	495	5.8	13,259	714	109.2	7.06	7,574	863	2.9	6.99	5,309	22.5	6.99
	15:17	495	6.3	10,484	704	106.2	7.06	12,225	816	1.1	7	0	0	0
	15:32	496	6.7	10,626	995	126.1	7.1	12,066	808	1	7.02	0	0	0
	15:47	495	6.7	13,499	709	127.6	7.11	6,993	832	3.2	7.04	5,656	28.9	7.04
	16:02	499	7.2	10,504	692	114.9	7.12	12,215	817	1	7.05	0	0	0
	16:17	499	7.6	10,517	995	109.8	7.14	12,258	817	1.2	7.06	0	0	0
	16:32	491	7.5	13,659	706	114.5	7.14	6,830	825	3.2	7.06	5,724	29.4	7.06
	16:47	505	8	10,548	686	108.7	7.14	12,279	821	1.1	7.06	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:02	478	8.5	10,548	995	107.4	7.14	12,314	820	1	7.06	0	0	0
	17:17	497	8.3	13,613	703	108.8	7.14	6,867	812	3.1	7.06	5,496	27.5	7.06
	17:32	491	8.8	10,553	704	100.3	7.14	12,348	823	1.1	7.06	0	0	0
	17:47	0	7.4	12,649	946	102.6	7.13	8,247	784	2.1	7.05	3,701	23.7	7.05
	18:02	0	5.9	11,376	722	94.7	7.12	11,583	842	1.7	7.05	1,201	16.8	7.06
	18:17	0	5.6	4,547	0	87.7	7.12	5,297	815	1.1	7.04	0	1.1	7.04
	18:47	496	5.7	3,784	709	107.7	7.12	4,327	907	1.6	7.04	61	1.4	7.04
	19:02	500	5.9	11,327	995	86.9	7.12	10,295	794	1.2	7.04	1,599	18	7.04
	19:17	496	6	12,896	704	108.9	7.13	9,299	847	2.8	7.06	3,466	21.4	7.05
	19:32	495	6.6	10,474	696	117.1	7.14	12,225	816	1.2	7.06	0	0	0
	19:47	500	6.8	10,938	995	124.9	7.14	11,138	794	1.3	7.06	808	44	7.06
	20:02	488	6.9	13,238	688	125.7	7.14	7,554	866	3.2	7.06	5,334	27.1	7.06
	20:17	491	7.4	10,453	701	125	7.13	12,250	817	1.3	7.06	0	0	0
	20:32	494	7.3	10,619	995	127.3	7.12	11,950	797	1.4	7.06	0	0	0
	20:47	502	7.4	13,476	674	129.4	7.12	6,524	867	3.6	7.06	6,418	29.8	7.06
	21:02	481	7.8	10,425	697	127	7.12	12,203	815	1.5	7.05	0	0	0
	21:17	0	8	10,465	995	130	7.11	12,177	812	1.4	7.04	0	0	0
	21:32	494	6.7	13,643	683	130.9	7.11	6,444	825	3.8	7.04	6,141	29.7	7.04
	21:47	497	7.2	10,426	691	121.9	7.09	12,199	812	1.6	7.03	0	0	0
	22:02	501	7.4	10,895	995	130.5	7.09	11,079	792	1.5	7.02	768	42	7.02
	22:17	502	7.6	13,138	688	143.3	7.09	7,857	850	3.5	7.04	4,970	25.6	7.03
	22:32	500	8.1	10,429	693	145.7	7.09	12,202	813	1.6	7.02	0	0	0
	22:47	491	7.4	12,124	995	148.4	7.07	8,460	786	2	7.02	3,496	34.1	7.01
	23:02	497	7.7	11,830	689	144.5	7.07	10,700	837	2.8	7.02	2,081	16.6	7.02
	23:17	0	8	10,416	995	145.4	7.07	12,200	811	1.6	7.01	0	0	0
	23:32	496	7.4	13,569	681	146	7.06	6,875	806	3.8	7.01	5,508	25.2	7.01
	23:47	486	7.9	10,393	701	144.5	7.06	12,154	814	1.9	7.01	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		494	7.51	1,038,255	768	158.8	7.07	876,488	796	1.9	7.02	213,795	26.8	7.02
MAXIMUM		516	8.80	13,659	995	197.5	7.14	12,865	958	3.8	7.06	7,452	48.5	7.06
MINIMUM		29	5.60	15	635	86.9	7.02	3,729	729	0.9	6.97	61	1.1	6.97
9/3/2020														
	0:02	487	8.4	10,364	685	150.6	7.06	12,111	812	1.6	7.01	0	0	0
	0:17	496	7.5	13,557	687	153.1	7.06	6,894	808	3.8	7.01	5,560	27.7	7.01
	0:32	498	8	10,369	678	150.2	7.04	12,170	811	2	7	0	0	0
	0:47	505	8.5	10,354	673	155.8	7.04	12,129	808	1.6	6.99	0	0	0
	1:02	497	7.6	13,490	683	161.1	7.04	6,649	802	3.7	6.99	5,740	27.9	6.99
	1:17	500	8.1	10,378	686	156.1	7.03	12,202	815	2.1	6.99	0	0	0
	1:32	49	8.5	10,311	691	161.3	7.02	12,131	810	1.7	6.98	0	0	0
	1:47	489	7.6	13,519	704	163.4	7.02	6,845	802	3.9	6.98	5,461	27.3	6.98
	2:02	498	8.1	10,375	677	160.2	7.01	12,226	812	2.1	6.97	0	0	0
	2:17	490	8.6	10,347	672	164.6	7.01	12,163	808	1.8	6.97	0	0	0
	2:32	492	7.6	13,493	695	169.6	7.01	6,841	801	3.8	6.97	5,566	27.9	6.97
	2:47	495	8.1	10,370	683	162.1	7.01	12,193	814	2.3	6.97	0	0	0
	3:02	493	8.6	10,346	678	168.7	7.01	12,140	809	1.8	6.97	0	0	0
	3:17	492	7.1	13,386	699	168.9	7	6,364	793	3.6	6.97	5,920	28	6.97
	3:32	494	7.5	10,458	696	154.9	6.99	12,246	818	2.4	6.96	0	0	0
	3:47	499	8.1	10,326	700	157.9	6.99	12,133	809	1.9	6.96	0	0	0
	4:02	501	8	13,167	767	172.5	6.99	6,859	777	3.4	6.96	5,313	28.6	6.96
	4:17	0	8.5	10,628	689	168.3	6.99	12,194	829	2.6	6.96	249	8.4	6.96
	4:32	488	8.5	10,304	681	168.4	6.98	12,134	807	2	6.95	0	0	0
	4:47	498	7.9	12,902	821	170.2	6.97	7,277	779	3.3	6.94	4,678	30.9	6.94
	5:02	490	8.4	10,927	685	162.7	6.97	11,403	830	2.7	6.94	1,244	18.5	6.95
	5:17	0	7.4	10,308	703	166.7	6.97	12,138	809	2	6.94	0	0	0
	5:32	498	7.2	12,653	961	162.8	6.97	7,379	779	2.9	6.94	4,509	30.6	6.94
	5:47	494	7.6	11,167	680	147.4	6.97	11,514	833	3.1	6.95	1,244	17.8	6.94

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	501	8.2	10,305	696	159.5	6.97	12,154	810	2.1	6.96	0	0	0
	6:17	490	8.1	12,375	820	170.8	6.97	7,787	782	2.6	6.96	4,046	32.2	6.96
	6:32	494	8.5	11,456	662	163	6.97	10,690	837	3.3	6.96	2,068	17.6	6.96
	6:47	499	8.2	10,296	680	161.3	6.97	12,071	807	2.2	6.96	0	0	0
	7:02	503	8.2	12,059	995	160.8	6.97	8,060	783	2.3	6.96	3,843	34.2	6.96
	7:17	504	8.6	11,819	689	153.9	6.97	10,219	837	3.6	6.96	2,525	17.3	6.96
	7:32	0	7.3	12,602	941	158.7	6.97	7,560	776	3.2	6.94	4,281	26.5	6.94
	7:47	506	7.6	11,196	673	144.3	6.96	11,211	834	3.2	6.94	1,452	15.5	6.95
	8:02	491	8.1	10,260	695	145.5	6.96	12,146	807	2.2	6.94	0	0	0
	8:17	0	7.1	12,286	948	157.4	6.97	7,771	779	2.7	6.94	4,089	32.1	6.95
	8:32	501	7.2	11,544	677	139.9	6.97	10,646	831	3.5	6.95	2,079	17.5	6.95
	8:47	496	7.8	10,263	691	70.9	6.96	12,066	804	2.3	6.94	0	0	0
	9:02	0	7.3	8,902	995	315.5	6.41	8,011	780	2.3	6.95	1,002	39.7	6.95
	9:17	499	7.1	11,717	668	424.1	4.94	8,806	843	3.4	6.96	3,790	30.4	6.95
	9:32	489	7.7	10,253	696	136.5	6.6	12,131	806	2.8	6.95	0	0	0
	9:47	486	8	10,717	995	147.3	6.68	11,234	786	3.7	6.94	616	44.5	6.94
	10:02	487	8.1	13,242	684	144.6	6.71	6,325	875	4.9	6.94	6,700	26.4	6.94
	10:17	491	8.6	10,278	682	141.6	6.71	12,133	807	2	6.92	0	0	0
	10:32	0	8.2	10,518	995	142	6.72	11,893	791	0.9	6.92	0	0	0
	10:47	489	7.5	13,314	684	128.1	6.72	6,777	845	2.9	6.92	5,928	29.9	6.92
	11:02	493	8.1	10,218	677	126.6	6.72	12,092	808	0.4	6.91	0	0	0
	11:17	0	8.2	10,193	995	139.4	6.73	12,082	804	0.6	6.91	0	0	0
	11:32	497	7.2	13,490	686	136.6	6.74	6,682	807	3.2	6.91	5,827	29.2	6.91
	11:47	498	7.8	10,209	676	125.4	6.73	12,085	804	0.4	6.91	0	0	0
	12:02	488	8.2	10,201	995	139.3	6.74	12,014	804	0.5	6.91	0	0	0
	12:17	494	8.1	13,507	699	139.8	6.75	6,458	805	3.2	6.91	5,934	29.1	6.91
	12:32	505	8.6	10,259	703	138.8	6.75	12,143	809	0.5	6.91	0	0	0
	12:47	0	7.6	10,229	674	143.5	6.75	12,079	806	0.5	6.89	0	0	0
	13:02	495	7.5	13,467	671	133.9	6.75	6,467	805	3.2	6.9	5,918	29.6	6.9

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	486	8.1	10,247	685	143.7	6.75	12,129	809	0.6	6.9	0	0	0
	13:32	495	8.6	10,205	683	150.9	6.76	12,159	808	0.4	6.91	0	0	0
	13:47	495	8.5	13,422	703	153.8	6.76	6,402	793	3.1	6.91	5,896	28.7	6.91
	14:02	0	8.4	10,260	660	145.6	6.76	12,183	813	0.7	6.91	0	0	0
	14:17	0	6.9	10,186	668	132.2	6.75	12,110	805	0.4	6.91	0	0	0
	14:32	492	5.5	12,097	901	125.8	6.76	4,484	747	1.8	6.91	6,472	20.7	6.91
	14:47	491	5.8	11,959	746	113.2	6.76	13,439	927	0.9	6.9	498	5.4	6.9
	15:02	496	6	11,717	995	143.7	6.76	12,205	902	0.5	6.9	1,307	3.8	6.9
	15:17	497	6.1	13,375	697	162.2	6.79	6,837	858	3.4	6.93	5,982	24.9	6.92
	15:32	504	6.5	10,465	704	162.9	6.82	12,345	827	0.7	6.94	0	0	0
	15:47	491	6.9	10,452	995	153.4	6.82	12,410	826	0.9	6.94	0	0	0
	16:02	501	6.9	13,644	707	135.4	6.84	6,518	829	3.6	6.97	6,037	29.9	6.96
	16:17	484	7.4	10,499	703	124.4	6.85	12,446	833	0.8	6.98	0	0	0
	16:32	492	7.8	10,483	995	122.1	6.85	12,413	828	0.6	6.99	0	0	0
	16:47	492	7.7	13,633	709	123	6.86	7,120	818	3.3	7	5,343	29.4	6.99
	17:02	500	8.2	10,523	689	119.4	6.86	12,491	833	0.9	7	0	0	0
	17:17	494	8.6	10,494	681	120.6	6.85	12,442	831	0.6	6.99	0	0	0
	17:32	494	8.5	13,576	701	123	6.86	7,213	811	3	7	5,127	26.5	6.99
	17:47	0	8.8	10,512	702	122.6	6.85	12,540	836	1	6.99	0	0	0
	18:02	491	8.9	10,470	692	123.3	6.84	12,529	834	0.6	6.99	0	0	0
	18:17	0	7.5	13,520	713	126.6	6.84	7,398	808	2.9	6.99	4,966	25.6	6.99
	18:32	0	6	10,521	684	117.8	6.84	12,474	831	1	6.99	0	0	0
	18:47	494	5.6	5,377	830	106.6	6.84	6,420	828	0.6	6.98	0	0.9	6.97
	19:02	495	5.8	11,118	995	100	6.85	9,687	822	0.8	6.98	2,084	25.1	6.98
	19:17	490	6	12,580	708	131.8	6.85	10,038	833	2.5	6.99	2,624	16	6.99
	19:32	497	6.5	10,437	696	146.3	6.86	12,393	826	0.8	6.99	0	0	0
	19:47	492	6.7	11,085	995	156.2	6.86	10,915	805	0.8	6.99	1,203	47	6.99
	20:02	490	6.8	12,990	689	150	6.86	8,063	849	3.2	6.99	4,757	24.6	6.99
	20:17	491	7.3	10,416	690	152.7	6.84	12,398	826	0.9	6.99	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:32	488	7.6	10,751	995	157.1	6.83	11,713	808	1	6.98	382	36.9	6.97
	20:47	484	7.7	13,331	702	151	6.82	6,726	869	4.6	6.98	6,274	29.5	6.98
	21:02	0	8	10,420	995	149	6.82	12,469	830	4	6.97	0	0	0
	21:17	483	7.4	13,715	721	156.1	6.82	4,767	855	5.3	6.98	8,119	31	6.98
	21:32	493	7.9	10,452	681	157.2	6.81	12,498	831	3.2	6.97	0	0	0
	21:47	0	7.5	11,114	995	167.6	6.81	10,352	828	7.2	6.97	2,153	38.1	6.97
	22:02	496	7.3	13,177	712	162	6.81	6,286	896	4.1	6.97	7,023	29.1	6.97
	22:17	497	7.7	10,386	995	160.7	6.81	12,430	827	6.1	6.97	0	0	0
	22:32	491	7.6	13,938	700	168.9	6.81	4,239	935	5.6	6.97	9,079	33.1	6.97
	22:47	492	8.1	10,443	700	162.6	6.79	12,439	831	5	6.97	0	0	0
	23:02	487	7.9	13,711	772	164.5	6.79	3,599	850	8.6	6.96	9,498	33.1	6.97
	23:17	496	8.3	10,772	697	160.6	6.79	12,885	858	4.6	6.96	0	0	0
	23:32	0	8.3	1,563	0	159.8	6.79	1,857	826	6.9	6.96	0	7.9	6.96
	23:47	0	7.7	1,503	970	196.1	6.9	126	594	8	6.96	1,477	18.7	6.96
	AVERAGES/TOTALS	488	7.68	1,072,213	758	152.4	6.84	954,715	818	2.6	6.96	201,883	25.8	6.96
	MAXIMUM	506	8.90	13,938	995	424.1	7.06	13,439	935	8.6	7.01	9,498	47.0	7.01
	MINIMUM	49	5.50	1,503	660	70.9	4.94	126	594	0.4	6.89	249	0.9	6.90
9/4/2020														
	0:02	492	7.5	14,514	770	121	6.8	1,741	995	5.3	6.96	11,893	27.1	6.96
	0:17	495	8	10,729	689	138	6.78	12,757	854	4.8	6.96	0	0	0
	0:32	496	7.8	13,292	900	162.7	6.76	4,329	825	8.6	6.95	8,368	37.1	6.94
	0:47	491	8.3	11,526	689	172	6.75	11,802	878	6.3	6.93	1,493	28.9	6.94
	1:02	489	8.1	13,410	826	184.3	6.74	4,369	787	8.4	6.92	8,232	35.9	6.92
	1:17	493	8.5	11,031	995	181.3	6.74	12,978	869	6.4	6.93	0	0	0
	1:32	495	8.1	14,569	995	184.4	6.74	405	844	9.7	6.92	13,070	33.1	6.92
	1:47	492	7	14,925	995	181	6.74	0	0	0	0	118	11.6	6.92
	2:02	489	6.4	14,904	950	188.6	6.74	207	801	7.8	6.93	7,780	24.8	6.92
	2:17	0	6.4	3,745	0	217.5	6.76	995	995	8.9	6.94	2,985	24.2	6.94

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:32	491	6.3	8,926	995	246.7	6.8	2,617	958	8	6.94	6,228	29.2	6.95
	2:47	0	6	14,849	0	234.3	6.77	0	0	0	0	12,619	49.2	6.96
	3:02	0	6	1,445	0	232.8	6.77	0	0	0	0	1,496	15.1	6.96
	3:32	499	6.2	9,627	995	228.9	6.81	2,237	995	8.7	6.97	7,233	28.2	6.96
	3:47	497	6.1	14,643	995	220.4	6.77	498	995	5.8	6.97	13,129	33	6.97
	4:02	498	6.2	13,236	691	237.4	6.77	7,152	925	7.9	6.96	6,402	36.7	6.96
	4:17	503	6.1	12,537	953	239.4	6.76	6,666	829	7.6	6.96	5,898	43.5	6.96
	4:32	499	6.5	12,219	674	241.1	6.76	10,054	894	7	6.96	3,527	32.1	6.96
	4:47	499	6.4	12,531	961	245.8	6.76	6,594	821	8.5	6.96	5,864	44.5	6.96
	5:02	497	6.4	14,314	935	244.1	6.76	1,741	995	9.1	6.96	12,924	20.4	6.96
	5:17	500	6.1	14,685	948	244	6.76	0	0	0	0	13,669	34.5	6.96
	5:32	501	5.6	14,715	270	242	6.76	249	995	9.8	6.96	5,081	14.2	6.96
	5:47	508	6.1	6,080	995	274.8	6.96	0	0	0	0	0	12.2	6.96
	6:02	0	5.5	10,903	0	240.6	6.81	0	0	0	0	0	11.9	6.96
	6:32	494	6	3,744	736	254.2	6.86	2,641	879	6.5	6.97	1,322	21.7	6.96
	6:47	499	5.9	13,726	909	240.8	6.81	3,623	762	8.2	6.98	8,112	41.3	6.99
	7:02	0	5.9	3,429	0	227.2	6.81	451	916	8.7	7	3,302	13.3	7
	7:32	509	6	7,762	877	220.2	6.85	0	0	0	0	5,494	38.5	7.01
	7:47	514	5.9	14,105	788	203.6	6.81	2,492	819	8.6	7.01	9,490	35.4	7.01
	8:02	513	6.3	10,883	995	189.3	6.8	10,891	763	8.5	7	746	20.3	6.99
	8:17	491	6.2	13,779	710	184	6.77	4,025	848	4.7	6.98	7,827	40.9	6.99
	8:32	506	6.4	11,761	995	159	6.76	7,501	721	4.4	6.97	3,249	38.1	6.96
	8:47	497	6.6	12,894	674	131.4	6.75	6,118	815	3.7	6.96	6,453	20.1	6.96
	9:02	494	7.1	10,139	669	107.5	6.74	10,782	717	4.9	6.94	0	0	0
	9:17	498	7.2	6,242	895	100.6	6.74	4,503	718	8.5	6.94	2,207	33.4	6.94
	9:32	499	7.1	13,257	752	85.2	6.76	1,937	862	5	6.94	9,325	28.5	6.94
	9:47	501	7.7	10,545	679	84.1	6.73	11,214	747	2	6.94	0	0	0
	10:02	509	8.3	10,067	682	89.2	6.72	10,716	714	3.5	6.93	0	0	0
	10:17	495	8.3	13,235	797	86.9	6.72	4,644	704	6.8	6.92	6,404	29.2	6.92

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:32	511	8.8	10,653	664	86.4	6.71	11,314	753	1.9	6.91	0	0	0
	10:47	0	7.5	10,077	995	85.2	6.71	10,684	714	3.1	6.9	0	0	0
	11:02	496	6.5	13,586	689	67.6	6.71	5,484	756	3.4	6.89	5,837	25.5	6.89
	11:17	500	7.2	10,157	661	70	6.7	10,747	718	1.1	6.89	0	0	0
	11:32	502	7.8	10,065	968	88.2	6.71	10,651	714	1.3	6.89	0	0	0
	11:47	503	7.7	13,566	692	95	6.71	5,388	747	3.6	6.89	5,754	27.7	6.89
	12:02	499	8.3	10,192	664	87.5	6.71	10,878	726	1.2	6.89	0	0	0
	12:17	503	8.8	10,088	650	85.7	6.7	10,773	717	2	6.88	0	0	0
	12:32	0	6.8	13,440	709	88.4	6.69	5,483	729	4.1	6.87	5,558	27.3	6.87
	12:47	0	5.6	10,185	303	58.2	6.69	10,844	724	1	6.87	0	0	0
	13:02	501	6.1	9,150	662	55.9	6.7	9,557	725	1.3	6.87	139	2	6.87
	13:17	506	6.1	13,052	760	82	6.7	5,754	683	3	6.87	5,061	25.2	6.87
	13:32	490	6.7	10,455	669	97.2	6.71	11,086	742	1.3	6.88	0	0	0
	13:47	497	7.2	10,038	656	96.6	6.72	10,644	712	1.5	6.89	0	0	0
	14:02	500	7.2	12,785	807	101.9	6.73	5,834	687	3.9	6.89	4,652	29.1	6.89
	14:17	493	7.8	10,676	688	93	6.73	10,337	743	1.3	6.89	981	15	6.89
	14:32	0	8.2	10,035	995	93.1	6.72	10,796	719	1.3	6.89	0	0	0
	14:47	0	6.3	13,765	689	125.4	6.77	4,460	719	3.5	6.89	7,061	19.4	6.89
	15:02	501	6.4	10,092	649	53.6	6.73	10,733	718	0.6	6.89	0	0	0
	15:17	501	7	9,974	671	78.1	6.73	10,544	703	0.4	6.89	0	0	0
	15:32	496	6.8	13,127	650	110.9	6.74	6,331	680	3	6.9	4,061	25.4	6.9
	15:47	503	7.3	9,842	667	107.2	6.74	10,141	678	0.5	6.91	0	0	0
	16:02	497	7.9	9,849	664	115.2	6.74	10,077	676	0.6	6.91	0	0	0
	16:17	497	7.8	13,101	679	120.1	6.76	5,492	661	3	6.91	4,591	26.2	6.91
	16:32	493	8.4	9,921	646	109.3	6.75	10,180	678	0.6	6.91	0	0	0
	16:47	0	8.8	9,831	662	109.9	6.74	10,056	675	0.5	6.91	0	0	0
	17:02	0	6.9	13,053	648	108.4	6.74	5,779	663	3	6.89	4,282	27.4	6.89
	17:17	496	7.4	9,884	646	86.1	6.74	10,058	673	0.5	6.89	0	0	0
	17:32	502	8	9,756	653	99.4	6.74	10,046	671	0.4	6.89	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:47	499	8.1	13,016	669	115.1	6.74	5,402	655	2.8	6.89	4,621	25.1	6.89
	18:02	491	8.6	9,943	676	114.1	6.74	10,168	679	0.6	6.89	0	0	0
	18:17	500	8.8	9,827	639	111.6	6.73	10,146	675	1	6.87	0	0	0
	18:32	503	8.8	12,887	695	109.4	6.73	5,547	653	3.3	6.87	4,606	26.6	6.87
	18:47	487	8.8	9,960	653	104.3	6.71	10,308	687	0.7	6.87	0	0	0
	19:02	496	8.9	9,841	671	106.4	6.71	10,135	675	0.7	6.86	0	0	0
	19:17	504	8.4	12,709	738	115.6	6.69	5,779	641	2.8	6.86	3,862	28	6.86
	19:32	0	8.7	10,257	652	106.7	6.69	9,849	693	0.8	6.85	689	13.2	6.86
	19:47	498	8.7	9,820	635	114.1	6.68	10,132	674	0.7	6.84	0	0	0
	20:02	497	8.5	12,433	878	118.4	6.67	5,922	639	2.3	6.84	3,673	28.2	6.83
	20:17	0	8.7	10,515	640	112.8	6.66	9,668	693	1.2	6.83	953	14.1	6.83
	20:32	498	8.7	9,762	638	124.4	6.65	10,152	676	0.6	6.82	0	0	0
	20:47	498	8.5	12,090	882	129.8	6.64	6,347	648	1.9	6.82	3,430	30.6	6.82
	21:02	0	8.7	10,816	636	126.1	6.64	9,407	692	1.5	6.82	1,267	13.7	6.82
	21:17	508	8.7	9,788	643	134.9	6.64	10,060	673	0.5	6.82	0	0	0
	21:32	0	8.3	11,721	995	148	6.63	6,539	654	1.1	6.81	3,207	32.2	6.81
	21:47	491	8.8	11,200	665	133.3	6.62	9,150	687	1.9	6.81	1,414	14.1	6.81
	22:02	0	8.8	9,788	652	135.4	6.62	10,121	671	0.6	6.8	0	0	0
	22:17	0	7.7	11,390	995	144.1	6.62	7,172	653	1.2	6.8	2,586	34.9	6.8
	22:32	497	8	11,516	654	120.8	6.61	8,453	691	2	6.8	2,072	16.4	6.8
	22:47	495	8.7	9,760	671	120.8	6.61	10,134	674	0.5	6.8	0	0	0
	23:02	0	7.7	11,048	995	135.8	6.61	7,962	661	1.2	6.8	1,943	42.2	6.8
	23:17	501	7.7	11,793	641	118.4	6.61	7,800	690	2.1	6.8	2,722	15	6.8
	23:32	497	8.3	9,757	657	119	6.61	10,061	672	0.6	6.8	0	0	0
	23:47	0	8	10,687	995	142.9	6.61	8,521	657	0.9	6.8	1,292	47.5	6.8
AVERAGES/TOTALS		498	7.39	1,031,642	759	141.8	6.73	644,015	750	3.6	6.90	298,254	27.0	6.91
	MAXIMUM	514	8.90	14,925	995	274.8	6.96	12,978	995	9.8	7.01	13,669	49.2	7.01
	MINIMUM	487	5.50	1,445	270	53.6	6.61	207	639	0.4	6.80	118	2.0	6.80

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
9/5/2020														
	0:02	498	7.9	12,229	655	130.2	6.61	6,632	697	2.3	6.8	3,952	19.8	6.8
	0:17	499	8.5	9,755	657	122.6	6.6	10,073	672	0.6	6.8	0	0	0
	0:32	0	7.4	10,281	995	133.7	6.6	9,205	657	1.2	6.8	644	44.5	6.8
	0:47	491	7.1	12,478	639	115.2	6.6	6,427	694	2.4	6.8	3,976	23.7	6.8
	1:02	484	7.8	9,737	661	111.8	6.6	10,141	675	0.5	6.8	0	0	0
	1:17	0	7.7	9,996	995	142.4	6.6	9,979	665	0.8	6.81	0	0	0
	1:32	506	7.1	12,858	652	134.7	6.6	5,310	702	2.9	6.81	5,162	26.9	6.81
	1:47	488	7.7	9,697	648	115.9	6.6	10,086	674	0.5	6.81	0	0	0
	2:02	0	8	9,685	995	127.8	6.61	10,160	674	0.8	6.82	0	0	0
	2:17	494	7.2	13,162	644	143.5	6.61	5,105	679	3	6.82	5,164	27.3	6.82
	2:32	493	7.8	9,695	635	120.5	6.61	10,088	673	0.6	6.81	0	0	0
	2:47	0	7.6	9,683	995	131.9	6.61	10,189	674	1.1	6.82	0	0	0
	3:02	0	7	12,451	0	165.4	6.61	1,151	178	3.8	6.82	901	26	6.82
	3:17	494	7.5	8,747	647	124.9	6.6	8,582	640	0.8	6.81	51	0.8	6.81
	3:32	485	8.2	9,655	633	131.3	6.61	9,937	665	0.7	6.82	0	0	0
	3:47	487	8.2	13,036	670	143.9	6.62	5,167	651	3	6.82	4,763	27.2	6.82
	4:02	494	8.8	9,815	656	138.6	6.62	10,149	675	0.9	6.82	0	0	0
	4:17	500	8.8	9,715	645	140.2	6.61	9,940	666	0.7	6.82	0	0	0
	4:32	490	8.5	12,877	701	146	6.6	5,387	638	2.5	6.82	4,521	27.4	6.82
	4:47	494	8.7	9,906	648	136.3	6.6	10,317	685	1	6.82	0	6.9	6.82
	5:02	499	8.8	9,701	647	136.2	6.6	9,948	666	0.5	6.8	0	0	0
	5:17	499	8.5	12,707	772	137.7	6.59	5,667	637	2.2	6.8	3,866	29.4	6.8
	5:32	491	8.7	10,172	650	130.5	6.59	9,566	682	1	6.8	946	16.7	6.8
	5:47	490	8.8	9,662	642	131.9	6.59	9,963	664	0.7	6.8	0	0	0
	6:02	499	8.5	12,389	868	142.4	6.59	5,861	637	2	6.8	3,608	29.3	6.8
	6:17	482	8.6	10,461	647	130	6.59	9,385	681	1.5	6.8	1,168	15.8	6.8
	6:32	503	8.7	9,686	641	129	6.59	9,989	663	0.6	6.8	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:47	493	8.5	12,023	777	142.7	6.59	6,278	640	1.7	6.79	3,188	31.7	6.79
	7:02	0	8.7	10,752	640	127.3	6.58	9,072	682	1.6	6.79	1,397	14	6.79
	7:17	502	8.6	9,670	637	127.9	6.58	9,975	666	0.7	6.79	0	0	0
	7:32	0	8	11,670	995	136.7	6.57	6,565	643	1.3	6.79	2,969	33.4	6.79
	7:47	505	8.3	11,126	632	122.8	6.57	8,641	677	2	6.79	1,769	13.9	6.79
	8:02	501	8.9	9,621	629	126.3	6.57	9,900	663	0.6	6.79	0	0	0
	8:17	0	7.1	11,280	995	137.5	6.57	7,203	645	1	6.79	2,397	35.1	6.79
	8:32	501	7.2	11,418	644	113.3	6.57	8,254	676	2	6.79	2,061	14.8	6.79
	8:47	498	7.9	9,607	633	119.6	6.57	10,054	666	0.5	6.79	0	0	0
	9:02	0	7.4	10,884	995	156.1	6.59	7,893	653	0.9	6.79	1,757	43.6	6.79
	9:17	488	6.5	11,798	642	133.2	6.59	7,301	682	2.4	6.79	3,085	15.6	6.79
	9:32	489	7.2	9,573	625	120.6	6.58	10,030	666	0.6	6.79	0	0	0
	9:47	0	7.1	10,510	995	155.8	6.59	8,575	648	1.1	6.79	1,100	47.6	6.8
	10:02	493	6.9	12,091	646	142.9	6.61	6,846	679	2.5	6.81	3,437	19.2	6.8
	10:17	495	7.5	9,509	643	135.4	6.61	9,905	662	0.8	6.82	0	0	0
	10:32	496	7.5	12,646	870	151.6	6.62	3,962	659	0.6	6.82	5,838	15.3	6.82
	10:47	494	7.9	11,649	735	149.8	6.62	10,029	788	1	6.82	2,080	6.9	6.82
	11:02	489	8.3	11,124	737	151.7	6.62	11,550	770	0.7	6.82	0	0	0
	11:17	0	8.1	13,193	852	160.3	6.64	5,005	769	0.9	6.84	5,468	18.7	6.85
	11:32	0	8.4	11,866	995	128.1	6.67	10,495	792	1.1	6.87	1,562	8.9	6.86
	11:47	0	7.2	13,444	668	135.1	6.67	4,575	763	2.2	6.87	6,001	9.5	6.87
	12:02	490	6.3	9,924	662	118.4	6.67	10,387	689	0.8	6.87	0	0	0
	12:17	494	6.9	9,927	664	112.6	6.67	10,239	683	0.6	6.86	0	0	0
	12:32	495	6.9	13,217	677	133.5	6.68	6,727	660	2.8	6.87	3,267	17.6	6.87
	12:47	499	7.5	9,968	667	131.5	6.69	10,299	691	0.7	6.89	0	0	0
	13:02	496	8.1	9,942	668	131.2	6.71	10,315	689	0.5	6.89	0	0	0
	13:17	492	6.3	13,184	678	157.4	6.72	6,127	667	2.8	6.91	3,887	26.5	6.91
	13:32	492	6.9	9,982	642	101.4	6.72	10,232	689	0.7	6.91	0	0	0
	13:47	489	7.6	9,889	656	101.4	6.74	10,218	685	0.5	6.92	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:02	496	7.4	13,103	694	108.8	6.76	5,808	651	2.7	6.93	4,098	25.7	6.93
	14:17	492	8.1	10,044	660	93.9	6.77	10,446	695	0.8	6.94	0	0	0
	14:32	497	8.7	9,873	665	85.2	6.77	10,258	684	0.7	6.94	0	0	0
	14:47	0	6.9	12,931	713	130.9	6.79	5,566	644	2.6	6.95	4,220	29	6.95
	15:02	491	7.3	10,139	643	65.7	6.79	10,261	698	1.1	6.96	224	8.5	6.96
	15:17	493	7.9	9,786	635	68.4	6.8	10,164	676	0.8	6.96	0	0	0
	15:32	483	7.9	12,699	770	74.4	6.81	6,387	639	2.2	6.96	3,142	28	6.96
	15:47	491	8.5	10,279	656	69	6.82	9,557	696	1.4	6.98	1,136	15.8	6.98
	16:02	486	8.5	10,091	995	68.1	6.82	9,886	662	1.1	6.98	0	0	0
	16:17	487	8.7	12,863	665	65.6	6.82	6,070	693	3.1	6.98	4,357	24.8	6.98
	16:32	491	8.8	9,718	640	63.3	6.84	10,270	687	1.3	6.98	0	0	0
	16:47	501	8.7	9,707	995	61	6.84	10,255	684	1.2	6.98	0	0	0
	17:02	492	8.8	13,140	669	62.7	6.84	5,714	659	3.4	6.99	4,383	26.1	6.98
	17:17	487	8.9	9,654	649	57.5	6.84	10,054	671	1.4	6.99	0	0	0
	17:32	0	8.6	9,616	995	55.5	6.84	10,007	667	1.1	6.99	0	0	0
	17:47	486	8.6	13,157	649	57.3	6.85	5,819	652	3.3	6.99	4,147	25.6	6.99
	18:02	496	8.8	9,622	652	55.2	6.86	9,952	666	1.4	6.99	0	0	0
	18:17	484	8.9	9,588	645	53.3	6.86	9,917	663	1.3	7	0	0	0
	18:32	0	6.9	13,065	613	54.5	6.86	5,683	641	3.2	7	4,230	24.2	7
	18:47	494	7.1	9,524	626	44.8	6.86	9,925	661	1.4	7.01	0	0	0
	19:02	493	7.7	9,507	621	45.9	6.86	9,876	658	1.2	7.01	0	0	0
	19:17	498	7.5	13,040	614	53.3	6.88	5,700	637	3.3	7.03	4,196	22.5	7.03
	19:32	490	8.1	9,502	624	52.1	6.89	9,897	658	1.6	7.04	0	0	0
	19:47	502	8.8	9,474	624	53	6.89	9,868	655	1.4	7.04	0	0	0
	20:02	492	7.8	12,975	636	54.2	6.89	5,406	635	3.4	7.04	4,513	25.2	7.04
	20:17	0	8.1	9,487	640	50.8	6.88	9,815	656	1.7	7.04	0	0	0
	20:32	502	7.7	9,390	630	49.4	6.87	9,792	652	1.3	7.04	0	0	0
	20:47	488	6.3	12,833	638	52.1	6.87	5,320	615	3.1	7.04	4,306	25.1	7.04
	21:02	493	6.9	9,533	627	46.3	6.87	9,842	657	1.8	7.04	0	5.8	7.04

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:17	494	7.6	9,351	604	49.8	6.87	9,685	647	1.3	7.04	0	0	0
	21:32	493	6.5	12,512	695	57	6.89	5,959	617	3	7.05	3,400	26.5	7.04
	21:47	495	7.2	9,771	630	52.4	6.89	9,099	652	2	7.05	916	18.3	7.06
	22:02	488	7.9	9,249	592	53.8	6.89	9,524	638	1.4	7.05	0	0	0
	22:17	491	6.8	12,235	862	57.7	6.89	6,052	611	2.7	7.06	3,209	28.6	7.06
	22:32	481	7.3	8,909	611	57	6.89	6,743	572	2.6	7.06	39	11.8	7.06
	22:47	502	8	9,210	619	55.5	6.89	9,531	633	1.4	7.06	0	0	0
	23:02	0	7.2	11,189	995	60.2	6.89	6,900	612	2	7.06	2,368	33.6	7.06
	23:17	494	7.7	10,922	601	56.9	6.88	7,670	642	2.7	7.06	2,295	17.4	7.06
	23:32	490	8.3	9,135	587	59	6.88	9,473	629	1.4	7.06	0	0	0
	23:47	0	7.5	10,758	995	61.7	6.88	7,228	614	1.7	7.05	2,080	34.8	7.06
	AVERAGES/TOTALS	493	7.84	1,039,304	712	103.4	6.71	806,435	662	1.6	6.90	147,244	22.6	6.89
	MAXIMUM	506	8.90	13,444	995	165.4	6.89	11,550	792	3.8	7.06	6,001	47.6	7.06
	MINIMUM	481	6.30	8,747	587	44.8	6.57	1,151	178	0.5	6.79	39	0.8	6.79
9/6/2020														
	0:02	493	7.7	11,251	603	58.6	6.88	7,336	636	3	7.06	2,643	19.7	7.06
	0:17	491	8.4	9,104	587	60.3	6.88	9,342	623	1.5	7.05	0	0	0
	0:32	0	7.7	10,333	995	63.7	6.87	7,638	610	1.6	7.05	1,601	41	7.05
	0:47	495	7.8	11,583	593	61	6.87	6,791	635	3.2	7.06	3,125	19.7	7.06
	1:02	495	7.8	9,027	597	62.7	6.87	9,294	619	1.5	7.04	0	0	0
	1:17	0	7.3	9,870	995	64.9	6.87	8,181	605	1.5	7.04	963	43	7.04
	1:32	487	7.1	11,970	600	62	6.87	6,071	629	3.4	7.06	3,945	22.6	7.05
	1:47	496	7.9	8,957	580	63.9	6.87	9,231	612	1.6	7.04	0	0	0
	2:02	0	7.7	9,419	995	71.7	6.88	8,668	600	1.5	7.05	323	40.3	7.05
	2:17	489	7.3	12,346	590	67.7	6.88	5,321	628	3.7	7.06	4,538	26.1	7.06
	2:32	496	8	8,898	593	68	6.88	9,116	608	1.6	7.06	0	0	0
	2:47	0	8.2	8,976	995	72.2	6.88	9,081	604	1.5	7.06	0	0	0
	3:02	499	7.6	12,759	586	72.5	6.87	4,874	620	4	7.06	5,100	28	7.06

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:17	500	8.3	8,819	589	72.5	6.86	9,054	607	1.6	7.05	0	0	0
	3:32	0	8.6	8,748	995	76.6	6.86	9,047	607	1.5	7.05	0	0	0
	3:47	487	8.7	12,848	565	79.5	6.86	4,316	612	3.8	7.06	5,520	28.7	7.06
	4:02	0	8.9	8,778	593	78.6	6.86	9,055	604	1.7	7.05	0	0	0
	4:17	491	8.7	8,712	995	77.9	6.86	8,986	601	1.4	7.04	0	0	0
	4:32	499	8.7	12,809	589	84.2	6.86	4,446	604	3.9	7.05	5,362	28.8	7.04
	4:47	508	8.9	8,720	547	84.9	6.86	8,957	600	1.8	7.04	0	0	0
	5:02	494	8.7	8,642	579	88.9	6.86	8,972	600	1.5	7.04	0	0	0
	5:17	484	8.7	12,779	581	96.5	6.86	4,127	608	3.7	7.05	5,794	28	7.05
	5:32	0	8.7	8,680	561	100.1	6.86	8,947	599	2.1	7.05	0	0	0
	5:47	498	8.8	8,615	583	105.3	6.85	8,956	596	1.7	7.04	0	0	0
	6:02	491	8.8	12,839	589	114.5	6.85	3,452	598	2.9	7.04	6,417	29.4	7.04
	6:17	0	8.7	8,645	564	114.6	6.84	8,997	598	2.7	7.04	0	0	0
	6:32	493	8.8	8,552	573	119.3	6.84	8,883	593	2	7.04	0	0	0
	6:47	489	8.6	12,665	594	129	6.84	2,990	568	2.9	7.04	6,790	31.7	7.04
	7:02	497	8.8	8,812	565	126.9	6.84	9,074	609	3.5	7.04	0	7.1	7.05
	7:17	0	8.8	7,946	0	130.7	6.84	8,188	586	2.3	7.04	0	3.5	7.04
	7:32	486	8.6	10,241	826	138.5	6.84	9,248	808	5.9	7.04	933	10.1	7.04
	7:47	0	8.8	5,358	0	139.8	6.84	5,125	816	9.4	7.04	218	9.5	7.04
	8:02	0	7.7	3,986	995	154.5	6.85	309	613	7.9	7.03	2,834	30.1	7.03
	8:17	500	7.6	12,595	645	147.2	6.84	5,202	717	5.4	7.04	5,447	32	7.04
	8:32	489	8.2	9,724	664	149	6.84	9,773	651	4.4	7.04	0	0	0
	8:47	497	8.7	10,190	995	148.1	6.86	8,934	637	5.1	7.04	595	43.8	7.04
	9:02	0	8.3	10,652	704	144.8	6.86	2,302	762	6.1	7.06	5,961	32.8	7.05
	9:17	0	7.1	10,445	0	188.6	6.88	10,757	765	4.2	7.17	508	5.4	7.71
	9:32	491	6.9	11,202	705	148.2	6.89	381	697	5.5	7.04	8,117	48	7.08
	9:47	492	7.5	9,499	606	140.8	6.87	9,510	680	1.5	7.08	904	35.2	7.08
	10:02	498	8.2	8,890	601	133.5	6.88	9,753	650	2.2	7.08	0	0	0
	10:17	486	8.1	12,526	698	130.4	6.89	3,697	621	3.6	7.08	5,892	33.7	7.09

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:32	487	8.6	9,561	591	121.6	6.89	9,849	680	1.4	7.1	455	13.6	7.1
	10:47	489	8.6	8,910	587	120.8	6.89	9,795	652	1.8	7.09	0	0	0
	11:02	0	7.4	12,329	741	125.8	6.89	4,348	625	3.3	7.08	4,954	33.7	7.09
	11:17	501	6.9	9,641	586	125.5	6.89	9,140	681	1.5	7.09	1,356	33	7.1
	11:32	496	7.6	8,896	579	125.7	6.89	9,735	648	1.8	7.08	0	0	0
	11:47	490	7.6	12,008	774	125.6	6.9	4,994	626	3.2	7.09	4,219	35.5	7.1
	12:02	493	8.2	10,065	602	120.5	6.91	8,588	684	1.6	7.1	2,107	26.1	7.11
	12:17	489	8.8	9,011	578	120.7	6.91	9,698	647	1.2	7.1	0	0	0
	12:32	0	7.2	11,628	766	126.8	6.91	5,597	625	2	7.09	3,684	35.6	7.1
	12:47	488	6.2	10,395	594	131.1	6.91	8,027	683	1.8	7.1	2,528	26.2	7.1
	13:02	493	6.8	8,859	598	136.4	6.9	9,653	643	1.1	7.09	0	0	0
	13:17	490	7	11,171	995	138.8	6.91	6,256	626	1.5	7.1	3,026	39	7.1
	13:32	491	7.5	10,801	590	137.1	6.92	7,348	680	2.1	7.11	3,184	22.3	7.11
	13:47	492	8.1	8,965	610	139.1	6.92	9,616	642	1	7.11	0	0	0
	14:02	494	8.2	10,830	995	147.6	6.92	6,853	628	1.4	7.1	2,479	38.5	7.11
	14:17	489	8.6	11,216	602	149	6.92	7,070	688	2.4	7.11	3,366	27.3	7.11
	14:32	491	8.7	8,991	590	155.3	6.92	9,672	645	1	7.1	0	0	0
	14:47	0	7.5	10,452	995	161.7	6.91	7,546	629	1.2	7.09	1,794	46.4	7.09
	15:02	0	5.9	11,555	622	168	6.91	6,176	682	2.6	7.1	4,206	25.3	7.11
	15:17	494	6.5	8,979	587	176.8	6.91	9,588	639	1.1	7.09	0	0	0
	15:32	493	6.9	10,048	995	177.2	6.91	8,233	626	1.3	7.09	1,066	47.8	7.09
	15:47	496	7.2	11,938	599	163.6	6.92	5,664	689	2.3	7.11	4,616	29.3	7.11
	16:02	489	7.8	8,988	605	152.5	6.92	9,623	640	0.9	7.11	0	0	0
	16:17	0	7.6	9,984	995	147.7	6.92	9,434	702	1.3	7.1	1,150	27.1	7.09
	16:32	494	6.9	12,955	642	127.9	6.92	5,649	834	2	7.11	6,841	29.2	7.11
	16:47	479	7.4	9,731	634	117.7	6.92	11,372	757	0.9	7.11	0	0	0
	17:02	488	7.8	9,948	995	128.5	6.93	11,064	745	1	7.11	0	0	0
	17:17	488	7.8	13,241	626	125.2	6.94	5,917	816	3.1	7.12	6,302	32.5	7.11
	17:32	489	8.3	9,786	658	119.5	6.94	11,306	757	1	7.11	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:47	482	8.7	9,784	995	118	6.94	11,341	757	0.9	7.11	0	0	0
	18:02	492	8.7	13,483	673	116.6	6.94	5,406	785	3.1	7.12	6,509	31.3	7.12
	18:17	493	8.7	9,774	646	110.7	6.94	11,329	756	1.1	7.12	0	0	0
	18:32	488	8.7	9,766	995	110.1	6.94	11,294	756	0.9	7.12	0	0	0
	18:47	488	8	13,396	657	113.9	6.94	5,816	778	3.5	7.12	6,078	30.4	7.12
	19:02	480	8.5	9,768	679	109	6.94	11,401	756	1.1	7.12	0	0	0
	19:17	481	8.7	9,771	660	114.8	6.94	11,387	756	0.9	7.12	0	0	0
	19:32	486	7.6	13,371	664	117.7	6.94	6,096	766	3.2	7.13	5,616	30.2	7.13
	19:47	488	8.1	9,813	652	106.3	6.93	11,281	755	1.2	7.12	0	0	0
	20:02	0	8.4	9,786	633	112.7	6.93	11,297	753	1	7.11	0	0	0
	20:17	494	7.4	13,277	660	121.1	6.93	6,026	754	3.3	7.12	5,636	29.4	7.12
	20:32	486	7.9	9,791	649	103.3	6.92	11,335	756	1.3	7.11	0	0	0
	20:47	122	8.4	9,734	654	114.2	6.92	11,233	751	1	7.1	0	0	0
	21:02	479	7.3	13,151	686	119.8	6.91	5,764	740	3.1	7.09	5,777	29.6	7.09
	21:17	492	7.8	9,915	639	109.7	6.9	11,386	759	1.4	7.09	0	0	0
	21:32	487	8.4	9,744	656	112.3	6.89	11,278	751	1.1	7.08	0	0	0
	21:47	487	7.6	12,956	722	117.6	6.89	5,923	720	2.7	7.08	5,300	31.2	7.08
	22:02	484	8.1	10,096	653	113.2	6.89	11,344	769	1.6	7.08	249	11.9	7.08
	22:17	488	8.7	9,738	632	108.8	6.88	11,196	748	1.1	7.06	0	0	0
	22:32	489	7.4	12,690	825	116.3	6.88	6,859	727	2.6	7.06	4,201	31.5	7.06
	22:47	483	7.9	10,365	652	103.3	6.87	10,582	771	1.7	7.06	1,244	23	7.07
	23:02	493	8.5	9,725	644	108.2	6.87	11,236	746	1.2	7.06	0	0	0
	23:17	474	7.2	12,386	906	118.7	6.88	6,776	719	2.2	7.06	4,176	31.2	7.06
	23:32	488	7.7	10,605	640	108.7	6.87	10,559	766	2	7.05	1,244	19.2	7.06
	23:47	482	8.2	9,671	641	109.1	6.86	11,119	744	1.2	7.04	0	0	0
AVERAGES/TOTALS		486	7.99	990,848	695	115.8	6.89	779,457	678	2.3	7.08	186,893	28.6	7.09
MAXIMUM		508	8.90	13,483	995	188.6	6.94	11,401	834	9.4	7.17	8,117	48.0	7.71
MINIMUM		122	5.90	3,986	547	58.6	6.84	309	568	0.9	7.03	218	3.5	7.03

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
9/7/2020														
	0:02	484	7.3	12,006	797	122.6	6.86	6,976	722	2	7.04	3,924	32.2	7.04
	0:17	482	7.7	10,951	639	114.5	6.86	9,926	771	2.2	7.04	2,009	20.9	7.04
	0:32	493	8.3	9,667	649	113.6	6.85	11,094	742	1.3	7.03	0	0	0
	0:47	472	8.2	11,726	995	122	6.86	7,279	722	1.6	7.03	3,585	34.7	7.04
	1:02	480	8.3	11,337	647	121.5	6.84	9,218	771	2.7	7.03	2,616	18.8	7.04
	1:17	492	8.8	9,684	653	122	6.84	11,127	743	1.5	7.02	0	0	0
	1:32	0	7	11,289	995	119.6	6.84	7,802	730	2	7.01	3,230	34.8	7.01
	1:47	484	5.7	11,662	0	99.4	6.83	8,615	766	2.8	7.02	3,159	21.8	7.02
	2:02	474	6.4	1,126	0	82.1	6.82	1,306	737	1.5	7.01	4	1.5	7.01
	2:17	484	6.9	8,630	643	103.7	6.85	9,380	778	1	7.02	561	12.6	7.15
	2:32	487	7.1	10,823	995	122.1	6.83	8,876	716	0.6	7.01	1,933	44.4	7.01
	2:47	485	7.3	12,151	650	125.5	6.83	8,404	778	2.1	7.02	3,502	20.2	7.02
	3:02	482	7.9	9,607	636	128.8	6.82	11,005	737	0.5	7.01	0	0	0
	3:17	0	7.3	10,479	995	139.2	6.78	9,577	725	1.6	7.01	1,308	47.8	7.01
	3:32	0	5.6	12,502	648	147.2	6.76	7,101	787	2.1	7.02	4,813	24.9	7.02
	3:47	494	6.5	3,643	652	140.4	6.83	3,897	775	1.3	7.02	265	0.4	7.04
	4:02	484	7	9,713	635	104.3	6.83	11,188	744	0.4	7	0	0	0
	4:17	484	7	11,973	929	69.6	6.81	6,797	708	1.4	7.01	4,104	32.1	7.01
	4:32	489	7.5	10,978	638	50	6.79	9,737	772	1.3	7.02	2,054	22.4	7.02
	4:47	0	7.4	9,606	645	41.5	6.77	11,022	734	0.8	7.01	0	0	0
	5:02	0	5.6	11,625	995	35	6.76	7,055	714	2.6	7.01	3,886	34.6	7.01
	5:17	0	5.5	3,028	0	33	6.75	1,169	770	6.5	7.03	1,348	18.7	7.03
	5:32	479	6.5	3,669	631	46.9	6.92	2,928	897	1.9	7.02	1,259	17.2	7.04
	5:47	489	7.1	9,673	630	42	6.83	11,108	741	0.6	7.01	0	0	0
	6:02	482	7.7	9,576	632	36.1	6.81	11,046	736	0.6	7.01	0	0	0
	6:17	484	7.5	13,367	667	31.7	6.8	5,825	767	2.9	7.01	6,012	29.1	7.01
	6:32	0	7.4	9,653	633	28	6.79	11,129	742	0.6	7.01	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:47	0	6.1	9,522	631	25.2	6.78	11,048	733	1.4	7	0	0	0
	7:02	0	5.5	5,626	0	29.2	6.78	2,514	699	3	6.99	2,534	36.6	7
	7:32	489	6.6	6,075	652	52	6.89	5,180	861	1.8	7	1,723	20	7.03
	7:47	486	7.2	9,687	623	46.3	6.83	11,189	745	1.4	6.99	0	0	0
	8:02	0	7.5	9,668	637	40.8	6.8	11,142	741	4	6.99	0	0	0
	8:17	0	5.5	13,191	736	36.9	6.8	4,807	760	6.5	6.99	6,990	30.3	6.99
	8:32	487	6.4	1,902	0	35.4	6.78	2,188	875	1.5	7	0	1.1	6.99
	8:47	489	6.8	8,333	649	69.4	6.85	9,476	789	1.1	6.99	66	0.8	7.01
	9:02	488	7.4	9,687	649	62.3	6.82	11,076	741	0.9	6.98	0	0	0
	9:17	476	7.2	12,922	815	54.2	6.81	4,620	711	3.2	6.99	6,755	31.1	7
	9:32	0	7.6	10,460	640	49.8	6.78	11,363	784	1.5	7	498	14.8	7.01
	9:47	0	6.3	9,682	622	45.5	6.75	11,061	739	3.5	7	0	0	0
	10:02	490	5.6	12,541	852	41.8	6.73	5,985	721	6.2	7	5,085	32.3	7
	10:17	486	6	10,589	655	39	6.73	10,502	780	1.2	7.01	1,493	26.9	7.01
	10:32	0	6.4	9,622	650	36.3	6.74	11,125	738	1	7.02	0	0	0
	10:47	484	5.6	12,258	0	33.9	6.73	5,963	722	3.4	7.03	5,152	32.3	7.04
	11:02	0	6.1	1,202	0	40.5	6.73	209	802	8.6	7.04	877	18.4	7.04
	11:32	487	6.6	5,263	656	48.8	6.88	4,435	877	2.3	7.04	1,525	35.3	7.06
	11:47	480	7.1	9,768	642	46	6.84	11,192	742	0.9	7.03	0	0	0
	12:02	486	7.6	9,658	995	41.6	6.82	11,063	740	2.1	7.03	0	0	0
	12:17	486	7.5	13,576	652	37.5	6.78	5,185	804	3.3	7.05	6,912	30.4	7.04
	12:32	481	8	9,780	638	35.2	6.79	11,166	744	0.9	7.04	0	0	0
	12:47	0	6.8	9,666	995	33.4	6.79	11,074	738	2.1	7.04	0	0	0
	13:02	0	5.6	9,927	0	31.9	6.76	2,409	718	5.4	7.04	5,694	31	7.04
	13:32	480	6.8	8,881	645	133.4	6.88	9,538	796	1.6	7.05	564	8.8	7.07
	13:47	484	7.4	9,662	646	118.6	6.85	11,111	738	0.6	7.05	0	0	0
	14:02	0	6.4	11,806	995	104	6.83	6,997	713	1.1	7.06	4,074	33.3	7.07
	14:17	0	5.5	8,434	0	93.4	6.8	6,364	819	2.4	7.08	2,360	16.8	7.08
	14:47	493	6.6	4,251	658	118.1	6.91	4,831	841	1.7	7.09	0	1	7.1

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:02	478	7.1	9,714	654	103	6.88	11,187	742	0.6	7.1	0	0	0
	15:17	486	7.1	11,942	995	91.8	6.85	7,739	710	1.6	7.12	3,098	31.6	7.13
	15:32	481	7.5	11,340	632	81.8	6.83	9,995	782	1.7	7.16	1,997	16.3	7.16
	15:47	0	7.4	9,718	651	73.6	6.83	11,153	743	0.6	7.16	0	0	0
	16:02	0	5.6	11,565	995	66.2	6.81	8,101	711	1.2	7.17	2,683	31	7.17
	16:17	0	5.6	2,520	0	63.2	6.8	1,049	682	5.2	7.18	769	10.6	7.17
	16:32	474	6.4	1,234	774	64.7	6.99	842	817	4.3	7.21	560	8.5	7.2
	16:47	490	7	10,279	652	60.8	6.9	11,694	783	1.1	7.2	0	6.2	7.21
	17:02	485	7.5	9,739	648	55.5	6.88	11,173	743	0.6	7.22	0	0	0
	17:17	0	6.6	12,636	772	50.8	6.85	7,496	704	2.3	7.24	3,307	19.1	7.24
	17:32	0	5.6	9,939	0	47.7	6.82	10,018	777	1.2	7.26	1,174	10.9	7.26
	18:02	482	6.8	7,895	642	42	6.91	9,056	798	1	7.26	97	0.6	7.27
	18:17	488	7	10,896	995	38.8	6.88	8,708	732	0.8	7.26	2,343	23.9	7.26
	18:32	487	7.3	12,112	640	36.1	6.85	9,332	767	2.7	7.27	2,361	12.1	7.27
	18:47	0	7.5	9,663	636	33.8	6.83	11,120	742	0.8	7.26	0	0	0
	19:02	0	5.8	10,515	995	31.8	6.84	9,738	722	0.9	7.24	1,166	46.1	7.23
	19:17	474	5.8	4,630	0	32.4	6.87	1,005	686	7.1	7.24	2,345	19	7.24
	19:32	490	6.6	5,747	663	33.2	6.91	5,437	843	2.6	7.25	1,037	10.7	7.26
	19:47	481	7.1	9,764	645	31.5	6.86	11,174	743	0.9	7.22	0	0	0
	20:02	0	7.2	9,712	995	29.7	6.85	11,029	737	0.8	7.19	0	0	0
	20:17	0	5.6	13,395	0	28.1	6.84	6,375	762	3.4	7.19	5,265	27.6	7.19
	20:32	482	6.4	337	844	27.6	6.84	377	768	1.4	7.2	0	1.3	7.19
	20:47	487	6.9	9,770	656	25.5	6.86	11,168	782	1.4	7.18	55	1.3	7.2
	21:02	479	7.5	9,685	634	24.1	6.83	11,078	735	1	7.15	0	0	0
	21:17	485	7.3	13,413	679	22.5	6.83	5,599	770	3.2	7.14	6,230	26.6	7.14
	21:32	490	7.9	9,843	639	21.5	6.83	11,170	744	1.3	7.12	0	0	0
	21:47	488	8.4	9,693	652	20.3	6.83	11,092	737	1.7	7.1	0	0	0
	22:02	482	8.3	13,377	681	19.3	6.81	4,610	760	3.9	7.09	7,378	28.9	7.09
	22:17	0	8.2	9,920	653	18.4	6.8	11,214	753	1.9	7.08	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:32	0	6.8	9,595	623	17.4	6.8	10,975	732	2.5	7.07	0	0	0
	22:47	0	5.6	10,734	0	17	6.79	3,936	689	4.8	7.07	5,057	30.1	7.07
	23:17	480	6.7	9,003	637	85.2	6.82	8,318	797	2.3	7.11	1,782	31.8	7.23
	23:32	492	7.4	9,536	650	58.3	6.8	10,955	730	1.2	7.1	0	0	0
	23:47	488	7.5	11,206	995	60.2	6.78	7,586	719	2.3	7.11	3,493	39.3	7.11
AVERAGES/TOTALS		484	6.88	844,850	727	61.5	6.82	726,899	755	2.1	7.08	154,071	22.1	7.09
MAXIMUM		494	8.80	13,576	995	147.2	6.99	11,694	897	8.6	7.27	7,378	47.8	7.27
MINIMUM		472	5.50	337	622	17.0	6.73	209	682	0.4	6.98	4	0.4	6.99
9/8/2020														
	0:02	486	7.8	11,927	627	53	6.78	7,786	798	2.1	7.12	4,493	24.5	7.13
	0:17	496	8.4	9,452	619	47.1	6.78	10,917	729	2.1	7.1	0	0	0
	0:32	0	7.6	10,847	995	41.8	6.78	8,284	721	5.6	7.1	2,719	43.8	7.09
	0:47	0	5.9	12,209	628	37.7	6.78	6,925	800	1.9	7.11	5,240	26.4	7.11
	1:02	486	6.3	4,700	0	34.3	6.77	5,405	719	1.1	7.1	0	1.1	7.08
	1:17	493	6.8	7,959	609	86.2	6.8	8,538	776	2.5	7.09	538	7.7	7.15
	1:32	492	6.8	11,951	919	76.7	6.77	5,840	706	2.6	7.08	5,266	35.7	7.1
	1:47	491	7.3	10,993	620	69.3	6.76	9,324	776	1.8	7.12	2,773	22.3	7.11
	2:02	481	7.9	9,356	623	61.8	6.76	10,860	721	2.2	7.1	0	0	0
	2:17	502	7.9	11,547	995	55.9	6.76	6,555	711	5.7	7.1	4,513	39.8	7.1
	2:32	0	8	11,358	630	51.2	6.76	8,303	775	1.8	7.1	3,785	23.5	7.11
	2:47	0	6.7	9,317	616	47	6.76	10,788	716	2	7.08	0	0	0
	3:02	489	5.9	10,258	50	43.7	6.76	7,201	705	4.3	7.06	3,005	43.2	7.07
	3:17	489	6.6	6,565	624	102.5	6.8	5,124	817	2.6	7.08	2,157	21.5	7.19
	3:32	501	7.3	9,286	630	128.6	6.75	10,753	716	2.6	7.05	0	0	0
	3:47	0	7.5	9,492	934	110	6.75	10,158	715	6.9	7.04	746	14.1	7.03
	4:02	496	5.7	14,390	0	103.8	6.75	1,432	960	3.9	7.05	11,661	33.4	7.04
	4:17	499	6.6	5,588	612	168.8	6.79	6,094	814	2.8	7.06	303	5.1	7.11
	4:32	489	7.2	9,278	637	172.5	6.75	10,699	713	1.9	7.03	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:47	490	7.5	10,650	995	154.3	6.75	8,112	704	5	7.05	2,736	42.6	7.05
	5:02	497	7.8	12,055	614	137.6	6.75	6,895	787	1.9	7.06	5,346	24.8	7.06
	5:17	0	8.3	9,240	618	121.6	6.74	10,716	714	1.6	7.05	0	0	0
	5:32	0	6.7	10,224	995	110.3	6.73	8,808	707	4.8	7.04	1,971	45.3	7.03
	5:47	492	6.3	10,232	0	101.3	6.73	3,767	839	2.7	7.05	5,934	26.8	7.04
	6:02	493	6.9	7,882	601	216.6	6.76	8,575	758	1.7	7.05	557	6.9	7.12
	6:17	482	7.5	9,175	609	193.4	6.73	10,667	712	1.8	7.02	0	0	0
	6:32	494	7.4	13,087	696	170.2	6.73	3,777	706	4.4	7.02	8,117	31.3	7.03
	6:47	487	8	9,589	601	152.2	6.73	11,154	744	1.8	7.02	0	0	0
	7:02	0	8.1	9,137	616	135.6	6.73	10,688	711	3.6	7.01	0	0	0
	7:17	0	6.1	12,709	784	122.8	6.73	3,982	696	7.2	7.01	7,638	31.5	7.01
	7:32	493	6.6	6,016	0	113.6	6.72	6,365	769	1.9	7.01	498	14.7	7.02
	7:47	491	8.5	10	0	105	6.84	0	0	0	0	15	1.1	7.15
	8:02	481	8.8	9,128	841	125.6	6.75	9,762	970	4.1	7.01	595	6.4	7.05
	8:17	0	8.5	4,574	995	118.3	6.74	4,689	984	8.1	7.01	551	16.3	7.01
	8:32	488	7.5	13,274	737	171.3	6.75	3,470	918	2.9	7.01	8,719	28.1	7.02
	8:47	492	8.1	10,413	680	165.4	6.74	11,967	797	1.8	7.01	0	0	0
	9:02	482	8.6	10,286	654	109.7	6.75	11,790	787	5.8	7.01	0	0	0
	9:17	483	8.4	13,734	726	33.3	6.8	4,143	877	6.2	7.02	8,452	32.5	7.02
	9:32	481	8.9	10,483	688	100.4	6.83	12,046	806	2.4	7.01	0	0	0
	9:47	0	7.4	10,282	995	103.7	6.83	11,933	791	7.1	7.02	0	0	0
	10:02	492	5.9	14,591	995	91.3	6.83	1,635	813	7.2	7.08	10,607	33.7	6.91
	10:17	488	6.1	12,548	683	91.2	6.84	8,678	831	2.8	7.11	3,849	24.1	7.18
	10:32	488	6.5	10,234	679	108.6	6.87	11,736	782	1.7	7.09	0	0	0
	10:47	487	6.8	11,054	995	104.3	6.88	9,816	769	5.8	7.11	1,707	46.5	7.15
	11:02	479	6.9	12,938	691	98.5	6.87	6,798	852	2	7.12	5,828	26.1	7.18
	11:17	474	7.3	10,208	696	97.1	6.87	11,711	782	2.3	7.1	0	0	0
	11:32	479	7.7	10,784	995	96.1	6.87	10,463	778	6.6	7.1	1,138	38.1	7.13
	11:47	480	7.7	13,225	674	94.9	6.86	5,955	864	2	7.11	6,607	28.4	7.16

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	488	8.1	10,272	683	96.5	6.84	11,657	778	2	7.09	0	0	0
	12:17	481	8.5	10,514	995	93.6	6.84	11,270	774	6.3	7.08	393	16.2	7.09
	12:32	482	8.4	13,576	694	93.5	6.84	5,468	874	2.2	7.1	7,291	30.3	7.13
	12:47	0	8.7	10,287	679	99.6	6.84	11,768	783	1.5	7.08	0	0	0
	13:02	0	7.2	10,230	995	95.6	6.84	11,658	778	4.9	7.08	0	0	0
	13:17	488	6.4	13,663	676	76.4	6.84	5,512	841	3.3	7.1	6,990	29.6	7.13
	13:32	472	6.9	10,231	694	89.2	6.85	11,700	777	0.8	7.09	0	0	0
	13:47	480	7.4	10,176	995	102.3	6.86	11,682	777	2.2	7.1	0	0	0
	14:02	480	7.3	13,691	678	105.3	6.86	4,924	845	3.4	7.12	7,645	28.5	7.14
	14:17	488	7.7	10,265	689	108.3	6.87	11,717	783	1.1	7.11	0	0	0
	14:32	489	8.2	10,210	679	107.4	6.88	11,696	778	3.2	7.13	0	0	0
	14:47	0	8.1	13,634	285	104.4	6.88	1,858	341	4.5	7.14	1,564	28.9	7.15
	15:02	0	7.5	1,731	757	125.8	6.9	214	101	2.2	7.15	96	9.7	7.25
	15:17	0	6.1	10,136	643	89.1	6.88	10,202	686	1.4	7.11	0	0	0
	15:32	479	6.1	9,634	978	77.4	6.87	9,865	659	1.1	7.1	0	0	0
	15:47	479	6.2	13,267	665	98.5	6.87	4,646	681	3.1	7.12	5,686	28.7	7.12
	16:02	483	6.7	9,719	656	116.9	6.89	10,034	665	0.9	7.13	0	0	0
	16:17	483	7.3	9,682	650	121.7	6.9	9,906	659	1.4	7.13	0	0	0
	16:32	480	7.2	13,202	684	132	6.91	4,631	676	3.5	7.15	5,794	29.6	7.15
	16:47	484	7.7	9,802	669	127.7	6.92	10,063	671	0.9	7.16	0	0	0
	17:02	476	8.3	9,662	654	123.2	6.92	9,924	661	0.9	7.16	0	0	0
	17:17	485	8.2	13,108	717	121.5	6.9	4,492	660	3	7.15	5,721	29.5	7.15
	17:32	475	8.7	9,921	635	116.1	6.89	10,124	677	1.1	7.14	0	0	0
	17:47	0	8.1	9,665	648	109.8	6.88	9,941	664	1.5	7.13	0	0	0
	18:02	0	6.1	12,961	713	99.3	6.88	4,267	647	4.3	7.12	5,888	30.3	7.12
	18:17	481	6.4	6,089	786	76.3	6.88	6,230	694	1.4	7.12	9	1	7.11
	18:32	477	6.9	9,202	659	88.9	6.87	9,368	677	1.3	7.11	79	0.9	7.34
	18:47	474	7.3	10,505	995	111.4	6.88	8,553	645	1.5	7.11	1,107	46.7	7.11
	19:02	471	7.4	12,475	650	117.2	6.88	5,746	714	2.2	7.13	4,851	26	7.13

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:17	477	8	9,632	636	117.8	6.88	9,940	662	1.2	7.11	0	0	0
	19:32	480	8.3	10,169	995	116.6	6.88	9,015	655	3.4	7.11	721	36.7	7.1
	19:47	478	8.4	12,954	642	114.8	6.87	4,304	726	5.9	7.11	6,398	29.1	7.12
	20:02	0	8.8	9,671	649	114.1	6.86	9,904	662	6.7	7.1	0	0	0
	20:17	0	6.8	12,805	856	108.5	6.85	3,625	661	9	7.09	6,420	35.7	7.09
	20:32	484	5.9	10,487	637	92.5	6.84	8,970	690	1.8	7.09	1,826	23.2	7.1
	20:47	483	6.5	9,543	636	83	6.83	9,892	657	1.4	7.06	0	0	0
	21:02	480	6.6	12,041	873	123.8	6.83	5,541	635	3.2	7.05	3,942	35.3	7.06
	21:17	478	7.1	10,787	619	130.1	6.84	8,230	686	1.9	7.07	2,450	20.2	7.08
	21:32	475	7.6	9,551	637	123.8	6.84	9,746	653	2.9	7.06	0	0	0
	21:47	484	7.7	11,679	995	121.8	6.84	5,942	643	6.9	7.06	3,636	37.7	7.07
	22:02	478	8.1	11,221	648	121.3	6.83	7,551	684	2.2	7.06	3,036	22	7.08
	22:17	470	8.7	9,555	637	120.2	6.83	9,730	646	3.5	7.05	0	0	0
	22:32	0	7.5	11,499	995	119.4	6.83	5,985	645	7.9	7.05	3,828	38	7.04
	22:47	0	5.9	11,509	616	109.1	6.81	6,884	692	2.2	7.04	3,683	26.9	7.04
	23:02	475	6.4	5,040	753	85.2	6.81	5,140	640	1.4	7.02	46	1.4	7.09
	23:17	479	7	9,925	634	98.8	6.8	9,588	666	2.7	7.02	448	9.7	7.06
	23:32	490	7	13,184	648	123.3	6.81	3,740	662	4	7.02	6,449	30.9	7.03
	23:47	479	7.5	9,539	620	125.6	6.81	9,771	650	1.7	7.03	0	0	0
AVERAGES/TOTALS		484	7.35	992,536	724	106.4	6.82	763,698	729	3.2	7.08	224,061	25.5	7.10
MAXIMUM		502	8.90	14,591	995	216.6	6.92	12,046	984	9.0	7.16	11,661	46.7	7.34
MINIMUM		470	5.70	10	50	33.3	6.72	214	101	0.8	7.01	9	0.9	6.91
9/9/2020														
	0:02	478	8.1	9,428	612	123.2	6.81	9,609	640	3.5	7.01	0	0	0
	0:17	476	8	13,080	669	123.4	6.8	3,524	666	6.2	7.01	6,668	31.5	7.02
	0:32	488	8.6	9,718	623	120.7	6.78	9,918	661	1.9	7.01	0	0	0
	0:47	0	8.4	9,398	618	116.1	6.79	9,618	645	4.1	6.99	0	0	0
	1:02	0	6.4	12,888	728	108.9	6.78	3,378	633	7.5	6.99	6,665	30.3	7

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:17	480	6.1	8,505	0	93.7	6.78	8,536	670	1.8	6.99	160	1.3	6.98
	1:32	483	6.9	6,712	633	86.3	6.77	6,763	660	2.1	6.99	36	1.3	7.05
	1:47	483	7.2	10,313	995	114.4	6.77	8,035	618	2.2	6.98	1,251	47.4	6.98
	2:02	482	7.4	12,269	610	122.7	6.78	5,143	692	2.3	6.99	5,288	26.2	6.99
	2:17	468	8	9,342	624	116.7	6.77	9,599	640	2.2	6.98	0	0	0
	2:32	473	8.3	9,994	995	115	6.78	8,553	636	5.9	6.98	939	40.8	6.98
	2:47	471	8.5	12,668	622	113.1	6.77	4,575	701	2.7	6.99	5,955	30.1	6.99
	3:02	0	8.6	9,343	623	110.8	6.76	9,502	636	2.5	6.98	0	0	0
	3:17	0	7.1	9,594	995	101.5	6.76	9,128	632	6.2	6.97	304	13.4	6.96
	3:32	481	5.9	12,968	0	88.9	6.76	3,862	708	2.5	6.98	6,495	30.4	6.98
	3:47	476	6.7	5,431	623	86.5	6.76	5,233	673	2.4	6.97	294	4.3	6.98
	4:02	479	7.4	9,263	606	107.1	6.76	9,444	628	1.6	6.96	0	0	0
	4:17	483	7.4	12,284	860	120.8	6.76	4,694	605	3.9	6.96	4,525	34.3	6.97
	4:32	472	7.9	10,220	609	117.8	6.76	8,496	665	2.2	6.98	2,028	21.8	6.98
	4:47	475	8.5	9,185	618	113.9	6.76	9,458	630	3.4	6.96	0	0	0
	5:02	0	7.3	11,882	853	113.5	6.76	5,109	623	7.3	6.96	4,194	35.5	6.97
	5:17	0	5.9	10,563	602	98.1	6.75	7,790	662	2.1	6.97	2,621	23.1	6.98
	5:32	471	6.4	4,860	777	91.4	6.74	4,992	625	1.5	6.96	0	1.6	6.94
	5:47	477	7	9,494	995	90	6.74	9,369	644	3	6.94	316	6.5	6.95
	6:02	472	7	13,182	621	110.4	6.75	3,492	660	3.7	6.97	6,597	30.6	6.96
	6:17	472	7.6	9,134	594	111.7	6.76	9,452	628	2.1	6.98	0	0	0
	6:32	481	8.3	9,108	606	110.2	6.76	9,316	625	5.3	6.98	0	0	0
	6:47	481	8.2	13,162	622	108.5	6.76	3,280	685	6	6.98	7,013	31.7	6.98
	7:02	487	8.8	9,155	612	107	6.76	9,353	625	2.3	6.98	0	0	0
	7:17	0	7.9	9,061	587	101.7	6.76	9,308	622	4.7	6.97	0	0	0
	7:32	477	6.2	12,669	577	83.1	6.76	3,419	639	5.9	6.97	6,215	30.9	6.97
	7:47	476	6.5	10,699	784	83.3	6.74	10,489	777	2	6.97	0	1.4	6.98
	8:02	478	6.6	8,219	995	104	6.74	6,857	784	5.7	6.96	1,271	15.8	6.96
	8:17	484	6.5	11,772	794	100.1	6.76	1,195	812	3.5	6.98	7,613	30.7	6.97

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:32	482	6.8	11,061	776	91.9	6.77	10,987	769	4.3	6.98	73	1.6	6.98
	8:47	488	6.8	10,292	995	91.9	6.78	3,973	757	7.6	6.99	4,903	28.4	6.99
	9:02	480	7	12,039	662	91.1	6.78	6,712	727	1.6	7.01	4,139	24.2	7
	9:17	487	7.6	9,800	664	83.7	6.79	10,189	679	1.9	7	0	0	0
	9:32	472	7.9	10,899	995	77.3	6.81	8,105	664	5.4	7.01	1,717	47.5	7.01
	9:47	485	8.1	12,328	662	70.6	6.8	6,284	726	1.8	7.02	4,392	22.1	7.02
	10:02	480	8.6	9,804	664	71	6.8	10,132	676	1.5	7.01	0	0	0
	10:17	0	8	10,542	995	68.7	6.81	8,732	663	5.3	7.01	1,074	46.9	7.01
	10:32	482	6.4	12,643	650	56.9	6.81	5,784	725	1.9	7.02	4,843	25.6	7.02
	10:47	483	7	9,731	651	47.7	6.79	10,098	672	0.7	7.01	0	0	0
	11:02	477	7.4	10,170	995	62.9	6.8	9,491	657	1.9	7	308	41.7	7.01
	11:17	486	7.5	12,902	655	67.5	6.81	5,057	728	2.4	7.02	5,462	26.7	7.02
	11:32	475	8.1	9,738	636	68.7	6.81	10,057	672	1.4	7.01	0	0	0
	11:47	481	8.5	9,772	995	69.4	6.81	9,958	665	4.6	7.01	0	0	0
	12:02	477	8.5	13,305	661	69.5	6.81	4,366	720	2.7	7.02	6,103	29.1	7.02
	12:17	0	8.5	9,717	658	73.7	6.8	9,992	668	1.2	7.01	0	0	0
	12:32	0	7	9,625	995	69.2	6.79	9,945	665	3.3	6.99	0	0	0
	12:47	478	6.9	13,228	647	58.6	6.79	4,657	682	3.5	7.01	5,533	27.8	7
	13:02	474	7.5	9,664	631	77.4	6.81	9,862	659	0.6	7.01	0	0	0
	13:17	475	8	9,618	995	84.8	6.83	9,942	660	1.2	7.01	0	0	0
	13:32	483	8	13,202	660	88.5	6.83	4,723	678	3.5	7.03	5,513	27.1	7.03
	13:47	0	8.2	9,687	637	91.3	6.83	9,936	663	0.8	7.03	0	0	0
	14:02	0	6.8	9,636	626	87.3	6.83	9,881	658	1.4	7.02	0	0	0
	14:17	476	6	13,135	644	72	6.82	4,813	662	3.6	7.02	5,232	27.7	7.03
	14:32	467	6.6	9,586	631	81.8	6.81	9,895	660	0.8	7.03	0	0	0
	14:47	478	7.2	9,550	642	105.5	6.84	9,843	657	0.8	7.04	0	0	0
	15:02	475	7.1	13,097	666	111.2	6.85	3,948	654	2.8	7.05	6,113	28.1	7.06
	15:17	478	7.7	9,731	636	107.9	6.85	9,939	664	1.1	7.06	0	0	0
	15:32	476	8.2	9,535	639	106	6.86	9,771	654	1.7	7.06	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:47	473	8.1	12,960	728	108.6	6.86	3,707	633	4.3	7.06	6,203	28.9	7.07
	16:02	475	8.6	9,857	631	107.5	6.86	10,089	672	1.2	7.07	0	0	0
	16:17	481	8.6	9,540	637	104.2	6.85	9,748	649	1.3	7.06	0	0	0
	16:32	479	8.5	12,701	765	96	6.84	4,133	638	3.7	7.06	5,525	29.7	7.06
	16:47	0	8.5	10,044	625	101.4	6.84	9,568	668	1.3	7.07	684	17.4	7.07
	17:02	0	8.4	9,473	627	101.4	6.84	9,617	645	1.2	7.06	0	0	0
	17:17	473	8.2	12,455	860	98.3	6.84	4,994	622	2.9	7.05	4,345	30	7.06
	17:32	475	8.7	10,227	615	102.2	6.84	8,850	671	1.5	7.07	1,599	19.8	7.07
	17:47	483	8.6	9,471	615	109.2	6.85	9,646	643	1	7.06	0	0	0
	18:02	481	8.6	12,063	857	115	6.86	5,260	617	2.2	7.06	4,016	33.8	7.07
	18:17	476	8.7	10,564	635	127.3	6.85	8,379	670	1.8	7.08	2,074	19	7.08
	18:32	485	8.4	9,419	600	130.7	6.84	9,542	638	1.3	7.06	0	0	0
	18:47	481	8.5	11,684	995	130.8	6.84	5,846	617	3.1	7.06	3,374	38.3	7.06
	19:02	480	8.9	10,951	632	133.4	6.84	7,588	671	2.1	7.07	2,864	22	7.08
	19:17	486	8.7	9,364	634	135.2	6.84	9,543	637	1.6	7.06	0	0	0
	19:32	489	8.1	11,293	995	135.5	6.84	6,413	618	4	7.05	2,906	41.8	7.05
	19:47	478	8.5	11,302	610	128.8	6.83	6,715	672	2.4	7.06	3,714	26	7.06
	20:02	0	8.4	9,343	623	132.6	6.83	9,468	633	1.6	7.04	0	0	0
	20:17	487	8.3	10,872	995	138.8	6.83	7,071	614	3.6	7.04	2,152	41.9	7.04
	20:32	483	8.1	14,441	668	137.4	6.83	797	817	5.2	7.06	9,305	26.9	7.05
	20:47	471	8.7	9,525	619	148.1	6.83	9,685	647	2.5	7.04	0	0	0
	21:02	0	8.1	3,708	852	160.3	6.84	2,218	626	3.3	7.04	1,661	18.8	7.04
	21:17	477	6.7	13,845	801	158.7	6.84	1,372	792	5.1	7.06	9,613	30.1	7.05
	21:32	0	7.1	12,058	68	159.8	6.83	11,736	782	5.5	7.04	0	0	0
	21:47	0	7.1	1,391	0	172.2	6.83	1,182	787	9.2	7.04	197	9.5	7.04
	23:17	488	7.2	27	995	250.7	6.83	0	0	0	0	28	26	7.04
	23:32	481	7.2	13,163	689	225.6	6.8	2,344	785	5.6	7.01	7,867	38	7.02
	23:47	482	7.8	9,988	637	200.7	6.76	10,162	678	3.3	7	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		479	7.68	941,329	717	107.4	6.80	663,234	671	3.1	7.01	199,980	25.9	7.01
MAXIMUM		489	8.90	14,441	995	250.7	6.86	11,736	817	9.2	7.08	9,613	47.5	7.08
MINIMUM		467	5.90	27	68	47.7	6.74	797	605	0.6	6.94	28	1.3	6.94
9/10/2020														
	0:02	482	8.3	9,774	657	172.8	6.76	9,935	664	4.8	6.98	0	0	0
	0:17	481	8.2	13,346	719	154.7	6.76	3,664	688	6.2	6.98	6,693	33.7	6.98
	0:32	480	8.7	10,042	659	139.6	6.76	10,231	682	2.2	6.98	0	0	0
	0:47	486	8.9	9,785	637	130.3	6.74	10,001	667	3.7	6.96	0	0	0
	1:02	481	8.1	13,245	702	116.8	6.74	3,638	663	6.5	6.96	6,433	32.5	6.96
	1:17	483	8.7	10,152	654	113.7	6.73	10,334	690	2.1	6.95	0	0	0
	1:32	0	6.9	12,476	861	112.8	6.73	4,951	638	2.2	6.94	4,475	31.1	6.94
	1:47	482	7.2	10,683	650	97.3	6.73	9,254	698	2.4	6.94	1,521	21.5	6.95
	2:02	482	7.8	9,725	649	99.9	6.73	9,840	658	1.4	6.94	0	0	0
	2:17	479	7.2	12,141	855	117.5	6.73	5,574	636	2.3	6.94	3,849	33.6	6.94
	2:32	494	7.7	10,981	645	113.8	6.73	8,555	700	2.3	6.94	2,147	19.4	6.95
	2:47	495	8.3	9,668	647	117.3	6.73	9,899	657	1.5	6.94	0	0	0
	3:02	0	7.6	11,776	995	117.2	6.74	6,269	639	3.1	6.94	3,232	38.1	6.94
	3:17	478	7.9	11,320	659	109.2	6.73	7,828	695	2.4	6.95	2,815	19	6.95
	3:32	476	8.5	9,675	621	111.4	6.73	9,829	656	1.4	6.94	0	0	0
	3:47	0	7.6	11,405	995	115.6	6.73	6,839	633	2.4	6.94	2,596	38.9	6.93
	4:02	477	7.9	11,631	634	109.8	6.72	6,898	696	2.4	6.93	3,628	22.5	6.94
	4:17	481	8.5	9,609	631	113.9	6.71	9,774	654	1.4	6.93	0	0	0
	4:32	482	7.6	11,022	995	120.5	6.71	7,468	637	2	6.92	1,998	43.8	6.91
	4:47	484	7.9	11,934	649	114.6	6.71	6,781	696	2.6	6.92	3,688	19.4	6.93
	5:02	483	8.5	9,603	636	119.8	6.71	9,802	652	1.3	6.91	0	0	0
	5:17	0	7.6	10,643	995	125.6	6.7	8,124	635	1.7	6.91	1,369	47.8	6.91
	5:32	488	7.9	12,203	634	117.1	6.69	5,968	697	2.6	6.91	4,386	21.6	6.91
	5:47	478	8.5	9,556	632	122.1	6.69	9,699	647	1.3	6.91	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	0	7.7	10,246	995	128	6.69	8,760	633	1.6	6.9	766	46.5	6.89
	6:17	483	7.1	12,526	638	113.4	6.69	5,414	697	3	6.9	4,961	25.2	6.9
	6:32	487	7.8	9,493	613	113.8	6.69	9,718	645	1.3	6.89	0	0	0
	6:47	484	8.2	9,882	995	129	6.69	9,268	629	1.3	6.89	142	10.1	6.89
	7:02	487	8.3	12,920	629	134.1	6.69	4,422	711	3	6.9	5,879	27.4	6.9
	7:17	0	8.1	9,487	630	133	6.69	9,629	643	1.5	6.89	0	0	0
	7:32	0	6.7	9,413	995	110.9	6.68	9,583	641	1.4	6.89	0	0	0
	7:47	481	6.2	13,151	638	105.5	6.68	4,861	663	3.7	6.89	5,351	26.7	6.88
	8:02	0	5.6	7,413	0	103	6.68	7,533	639	1.5	6.88	44	1.2	6.88
	8:47	482	6.6	9,866	625	115	6.68	9,298	672	1.8	6.87	750	8.1	6.89
	9:02	486	6.6	12,966	697	145.9	6.68	3,860	623	2.3	6.88	5,895	23.5	6.88
	9:17	483	7.2	9,821	629	153	6.69	9,979	664	1.7	6.89	0	0	0
	9:32	479	7.8	9,409	629	147.8	6.69	9,534	638	1.4	6.9	0	0	0
	9:47	488	7.7	12,767	763	142.4	6.69	3,910	610	2.4	6.89	5,701	27.9	6.9
	10:02	490	8	10,055	808	132.3	6.69	9,755	774	2.6	6.91	371	5.4	6.91
	10:17	479	8.2	12,017	814	130.2	6.69	11,837	790	2.3	6.91	0	0	0
	10:32	489	8.1	5,950	995	132	6.69	5,570	750	4.4	6.9	72	4.7	6.89
	10:47	486	8.1	11,374	817	118.3	6.69	2,728	722	4.5	6.91	5,719	25.6	6.89
	11:02	488	8.5	11,138	809	111.9	6.69	10,992	783	2.3	6.91	82	1.7	6.91
	11:17	491	8.7	7,379	651	104.2	6.71	7,251	751	3	6.91	103	3.2	6.91
	11:32	0	7	11,860	995	88.5	6.71	6,319	648	2.9	6.91	3,243	32.1	6.92
	11:47	494	7	11,265	666	67.3	6.71	8,495	693	2.9	6.93	2,129	16	6.92
	12:02	482	7.6	9,828	661	77.1	6.72	10,053	667	1.5	6.93	0	0	0
	12:17	473	7.8	11,533	995	90.3	6.74	7,040	650	1.9	6.94	2,680	33.2	6.94
	12:32	483	8.2	11,627	649	87.5	6.74	7,790	696	3.1	6.96	2,778	17.2	6.95
	12:47	484	8.7	9,819	643	82.4	6.75	10,029	669	2	6.96	0	0	0
	13:02	0	7.2	11,191	995	78.2	6.76	7,694	652	3.7	6.96	2,028	42.7	6.96
	13:17	490	6.7	11,877	648	61.6	6.76	7,607	688	2	6.97	2,876	17	6.97
	13:32	479	7.3	9,780	643	61.7	6.75	9,905	663	0.5	6.96	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:47	484	7.6	10,754	995	79.7	6.76	8,341	648	1.3	6.96	1,406	46.7	6.97
	14:02	481	7.9	12,172	658	84.4	6.78	6,597	692	2.3	6.99	3,797	20	6.98
	14:17	0	8.2	9,748	637	82.4	6.78	9,893	661	1.1	6.98	0	0	0
	14:32	0	6.6	10,430	995	78.8	6.78	8,844	644	3.7	6.98	795	45.6	6.98
	14:47	482	5.7	11,641	659	65.8	6.78	4,860	719	4	6.99	4,476	22.8	6.99
	15:02	480	6.3	9,729	634	66.8	6.78	9,764	653	0.7	6.98	0	0	0
	15:17	485	6.8	9,662	995	90.1	6.78	9,744	649	0.7	6.98	0	0	0
	15:32	489	6.9	13,164	659	95	6.79	5,008	663	3.1	7.01	5,037	26.2	7
	15:47	481	7.5	9,640	643	93.6	6.79	9,781	649	0.9	7.01	0	0	0
	16:02	474	8	9,643	995	95.1	6.79	9,777	650	2.6	7	0	0	0
	16:17	488	7.9	13,276	656	94	6.79	4,129	670	3.9	7.01	5,957	28.5	7.01
	16:32	480	8.5	9,653	622	91.9	6.79	9,818	649	1	7.01	0	0	0
	16:47	475	8.6	9,569	654	92.7	6.79	9,662	646	2	7	0	0	0
	17:02	476	8.6	13,229	656	90	6.79	4,257	659	4.4	7	5,762	28.4	7
	17:17	478	8.7	9,622	633	92.7	6.79	9,681	645	1	7	0	0	0
	17:32	482	8.8	9,538	626	91.9	6.78	9,551	641	1.6	6.99	0	0	0
	17:47	485	8.7	13,105	637	90.4	6.78	4,402	649	4.1	6.99	5,465	28.6	6.99
	18:02	480	8.8	9,586	631	97.6	6.78	9,675	647	1.1	6.99	0	0	0
	18:17	0	8.8	9,481	638	99.1	6.78	9,532	639	1.7	6.98	0	0	0
	18:32	490	8.4	12,999	682	93.6	6.78	4,038	626	4.6	6.98	5,762	28.8	6.98
	18:47	0	8.6	9,680	624	98.7	6.78	9,730	651	1.3	6.99	0	0	0
	19:02	484	8.8	9,414	625	98.2	6.78	9,502	634	1.3	6.97	0	0	0
	19:17	482	8.7	12,736	728	98.5	6.78	4,106	614	3.5	6.97	5,515	29.6	6.98
	19:32	0	8.1	9,823	624	105.5	6.78	9,493	655	1.4	6.99	457	13	6.99
	19:47	478	8	9,303	633	96.5	6.78	9,489	631	0.9	6.98	0	0	0
	20:02	483	7.6	12,490	821	101.2	6.77	4,737	613	2.4	6.97	4,534	30.3	6.97
	20:17	476	8.2	10,018	627	110.7	6.76	8,826	652	1.5	6.98	1,371	23	6.99
	20:32	479	8.8	9,276	616	107.6	6.76	9,348	625	0.9	6.97	0	0	0
	20:47	485	7.5	12,112	875	115.1	6.77	5,005	602	2.1	6.97	4,211	32.3	6.97

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:02	483	8.1	10,283	618	104.7	6.76	8,444	650	1.8	6.97	1,791	17.9	6.97
	21:17	478	8.7	9,229	620	110.5	6.75	9,339	622	0.8	6.96	0	0	0
	21:32	489	7.6	11,712	856	120.7	6.74	5,545	602	1.7	6.94	3,639	35.5	6.94
	21:47	484	8.1	10,605	599	108.6	6.73	7,630	653	1.9	6.94	2,540	19	6.94
	22:02	0	8.6	9,107	607	114.6	6.73	9,265	618	0.8	6.93	0	0	0
	22:17	0	6.8	11,229	995	121.4	6.71	6,095	593	1.8	6.92	2,938	39.2	6.92
	22:32	479	7.3	10,913	589	94.7	6.71	6,997	648	1.9	6.92	3,176	18.8	6.92
	22:47	476	8	9,055	600	114.2	6.71	9,192	614	0.8	6.91	0	0	0
	23:02	471	7.5	10,812	995	127.5	6.71	6,715	596	1.3	6.91	2,373	41	6.91
	23:17	484	7.9	11,291	600	124.4	6.7	6,240	647	2.1	6.91	3,869	20.6	6.91
	23:32	476	8.6	9,021	587	119.4	6.69	9,021	606	0.9	6.91	0	0	0
	23:47	0	7.4	10,343	995	126.6	6.7	7,256	588	2	6.9	1,708	47.7	6.89
	AVERAGES/TOTALS	483	7.84	1,003,541	729	108.2	6.74	739,318	658	2.2	6.94	176,979	26.1	6.94
	MAXIMUM	495	8.90	13,346	995	172.8	6.79	11,837	790	6.5	7.01	6,693	47.8	7.01
	MINIMUM	471	5.60	5,950	587	61.6	6.68	2,728	588	0.5	6.87	44	1.2	6.88
9/11/2020														
	0:02	483	7.7	11,636	599	111.8	6.69	5,471	645	2.1	6.91	4,618	22.4	6.91
	0:17	488	8.4	8,864	587	114.2	6.69	8,986	601	0.9	6.89	0	0	0
	0:32	0	7.8	9,868	995	125.2	6.69	7,767	585	1.4	6.89	1,101	47.5	6.89
	0:47	477	7.9	12,035	589	119.6	6.69	4,841	645	2.3	6.9	5,243	25.7	6.9
	1:02	464	8.7	8,792	583	115	6.69	8,936	595	0.9	6.89	0	0	0
	1:17	485	7.6	12,312	795	122.9	6.69	4,125	568	1.3	6.89	4,988	30.7	6.9
	1:32	476	8.2	9,549	595	116.3	6.69	8,397	623	1.8	6.9	1,406	21.7	6.91
	1:47	0	8.5	8,772	581	113.2	6.69	8,935	596	0.9	6.89	0	0	0
	2:02	490	7.1	11,915	841	111.8	6.7	4,705	573	1.4	6.9	4,248	31.8	6.9
	2:17	475	7.7	9,801	577	97.2	6.69	8,095	621	1.9	6.91	1,777	18.9	6.91
	2:32	484	8.5	8,662	565	108.2	6.7	8,830	591	0.8	6.91	0	0	0
	2:47	486	7.6	11,470	843	112.8	6.71	5,097	582	1.1	6.91	3,934	34.5	6.92

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:02	485	8.2	10,197	582	114.6	6.71	7,106	620	1.8	6.92	2,825	19.3	6.92
	3:17	0	8.4	8,585	553	116.1	6.71	8,845	589	1.2	6.91	0	0	0
	3:32	476	7.4	10,988	995	118.4	6.71	5,514	582	3	6.91	3,395	39.6	6.91
	3:47	479	8	10,578	564	120	6.7	6,537	620	2	6.92	3,442	23.7	6.92
	4:02	484	8.7	8,519	558	138.2	6.7	8,819	589	1.9	6.91	0	0	0
	4:17	475	7.5	10,517	995	148.5	6.71	6,273	571	4.8	6.91	2,535	45.1	6.91
	4:32	483	8	10,985	560	156.5	6.71	5,671	619	3.2	6.92	4,272	34	6.92
	4:47	478	8.7	8,482	562	165.6	6.69	8,720	583	2.7	6.91	0	0	0
	5:02	478	7.9	10,049	995	173.5	6.71	6,760	565	5.1	6.91	1,899	45.4	6.91
	5:17	476	8.3	11,451	560	181.9	6.69	5,153	627	4.4	6.91	4,908	35.7	6.91
	5:32	0	8.3	8,379	532	189	6.69	8,692	581	2.6	6.91	0	0	0
	5:47	468	8.2	9,562	995	196.7	6.69	7,138	572	3.9	6.9	1,590	48.5	6.89
	6:02	468	8.5	11,888	561	198.8	6.69	4,679	647	3.6	6.91	5,700	44.1	6.91
	6:17	0	8	8,361	544	195.1	6.68	9,043	604	2.1	6.89	0	0	0
	6:32	474	7.2	9,054	995	181.8	6.67	7,993	595	6.2	6.89	943	36.1	6.87
	6:47	477	7.4	12,291	529	164.9	6.67	4,067	649	3.6	6.89	6,311	41	6.89
	7:02	482	8.2	8,282	531	165.4	6.67	8,826	594	1.4	6.89	0	0	0
	7:17	470	8.8	8,510	995	156.7	6.68	8,480	586	4.1	6.89	309	38.3	6.89
	7:32	476	8.9	12,688	533	143.5	6.68	3,500	664	3.6	6.91	7,053	38.7	6.9
	7:47	0	7.6	9,247	644	125.6	6.67	10,187	678	2.1	6.89	0	0	0
	8:02	466	7.5	8,497	995	89.9	6.67	8,555	699	4.9	6.89	780	26.1	6.87
	8:17	469	7.1	14,925	701	110.8	6.67	498	995	9.2	6.89	11,759	31.7	6.89
	8:32	471	7.7	9,977	628	121.6	6.67	10,939	732	3.6	6.9	0	0	0
	8:47	476	8.3	9,499	885	126.2	6.68	10,455	697	6.3	6.89	0	0	0
	9:02	483	7.3	14,206	995	121	6.69	2,013	753	8.8	6.9	10,560	32.9	6.91
	9:17	473	6	14,925	995	123.4	6.69	746	995	7.3	6.93	14,156	25.7	6.92
	9:32	477	6.3	9,489	995	136.3	6.69	3,984	882	3.6	6.93	5,709	15.2	6.93
	9:47	475	6	14,783	914	230.2	6.78	0	0	0	0	11,775	36.3	7.01
	10:02	468	6.5	10,186	630	167.3	6.74	9,740	715	1.8	6.96	1,180	24.8	6.95

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:17	472	7.2	9,414	611	152.7	6.74	9,918	663	1.5	6.96	0	0	0
	10:32	465	7.1	12,386	816	133.6	6.74	4,739	619	3.7	6.96	4,993	36	6.97
	10:47	476	6.7	12,163	952	117.9	6.74	9,020	973	4.8	6.98	3,412	17.7	6.98
	11:02	478	6.5	14,540	995	108	6.75	11,691	995	6.8	6.98	3,234	16.6	6.98
	11:17	457	6.3	14,447	882	120.2	6.76	4,421	981	5.5	6.98	9,289	29.5	6.98
	11:32	480	6.2	12,890	995	106.7	6.76	4,421	973	6.7	6.98	8,855	19.6	6.98
	11:47	475	6	14,420	825	104.7	6.76	0	0	0	0	11,567	31.1	6.98
	12:02	475	6.3	11,436	731	89.5	6.76	12,390	854	3.9	6.98	425	10.8	6.98
	12:17	475	6.5	11,605	995	86.1	6.77	8,336	809	8	6.98	4,541	25.7	6.98
	12:32	479	6.4	13,781	681	95.7	6.77	4,552	913	2.6	6.99	8,115	30.1	6.99
	12:47	482	6.9	10,365	687	85.1	6.78	12,114	805	1.9	6.99	0	0	0
	13:02	477	7.4	10,291	995	76.4	6.8	12,039	801	5.5	7	0	0	0
	13:17	476	7.2	13,845	710	75.7	6.81	5,077	856	4.3	7.02	7,642	30.4	7.02
	13:32	476	7.6	10,385	670	70.8	6.81	12,113	809	1	7.03	0	0	0
	13:47	475	8.1	10,263	942	72.8	6.81	12,029	802	3	7.02	0	0	0
	14:02	468	7.9	13,764	706	71.3	6.81	5,441	833	4.6	7.02	7,194	29.2	7.02
	14:17	487	8.4	10,368	679	71	6.81	12,130	806	1	7.02	0	0	0
	14:32	464	8.8	10,247	683	71.7	6.8	11,981	798	2.9	7.01	0	0	0
	14:47	0	6.9	13,636	691	72.2	6.79	5,303	818	5.2	6.99	7,250	29.6	6.99
	15:02	478	5.7	10,284	665	58	6.78	12,005	801	0.8	6.99	0	0	0
	15:17	474	6.2	10,107	669	53	6.77	11,827	787	0.9	6.98	0	0	0
	15:32	479	6.1	13,503	707	77.2	6.77	5,067	785	3.3	6.98	7,246	27.9	6.98
	15:47	477	6.6	10,267	683	89.3	6.77	11,998	802	1.3	6.98	0	0	0
	16:02	479	7.1	10,033	662	94.6	6.79	11,770	783	4.2	6.97	0	0	0
	16:17	471	6.9	13,263	769	95.5	6.78	4,032	744	8.5	6.97	8,086	31.3	6.98
	16:32	471	7.4	10,469	679	94.3	6.77	12,218	812	2	6.98	0	6.5	6.99
	16:47	468	7.9	9,937	673	90.8	6.77	11,627	778	4.5	6.97	0	0	0
	17:02	488	7.7	13,196	830	95	6.77	3,863	775	8.8	6.96	8,453	32.8	6.97
	17:17	471	8.1	10,720	671	96.2	6.76	11,432	812	2.3	6.97	996	23.9	6.97

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:32	475	8.6	9,935	669	92.1	6.76	11,572	773	4.6	6.95	0	0	0
	17:47	472	8.5	12,827	959	93.3	6.75	4,622	773	8.7	6.94	7,542	34.1	6.95
	18:02	474	8.9	11,004	669	95.4	6.74	10,555	812	2.1	6.95	1,980	21.5	6.96
	18:17	475	8.3	9,827	653	90.1	6.74	11,551	768	4	6.94	0	0	0
	18:32	478	8.3	12,263	954	84.5	6.74	6,242	740	7.6	6.94	5,337	36.9	6.94
	18:47	480	8.7	11,261	663	97.6	6.73	9,728	807	2	6.94	2,835	19.8	6.94
	19:02	0	8.1	9,752	649	103.3	6.72	11,398	760	3.4	6.92	0	0	0
	19:17	468	7	11,844	995	90.7	6.72	6,877	729	7.3	6.91	4,492	39.9	6.91
	19:32	455	7.4	11,484	629	84.5	6.71	8,974	801	2.1	6.92	3,426	20.5	6.92
	19:47	469	8	9,606	640	108	6.71	11,243	751	1.9	6.91	0	0	0
	20:02	473	8.1	11,438	995	113.6	6.71	7,611	727	6.7	6.91	3,655	43	6.91
	20:17	472	8.4	11,806	661	117.1	6.71	7,710	796	2.6	6.91	4,738	26.9	6.92
	20:32	0	7.9	9,553	646	110.5	6.71	11,154	744	3.8	6.91	0	0	0
	20:47	471	6.3	11,441	995	97.3	6.7	7,020	739	8.3	6.9	4,666	43	6.9
	21:02	484	6.6	12,066	633	74.5	6.69	7,119	797	2.4	6.91	5,292	24.1	6.91
	21:17	472	7.2	9,430	623	103.8	6.7	11,053	736	1.2	6.9	0	0	0
	21:32	475	7.5	10,573	995	115.2	6.71	8,864	716	5.5	6.91	2,016	48	6.91
	21:47	477	7.7	12,438	611	117.2	6.7	6,151	795	2.9	6.91	6,389	31.1	6.91
	22:02	468	8.3	9,368	614	115.1	6.7	10,951	730	3.2	6.91	0	0	0
	22:17	477	8.3	11,440	995	108.7	6.71	6,399	729	7.9	6.91	5,796	36.7	6.91
	22:32	483	8.5	12,782	623	110.5	6.69	5,424	807	3.5	6.91	6,141	33.3	6.91
	22:47	0	8.1	9,266	621	107.8	6.69	10,871	724	2.3	6.9	0	0	0
	23:02	0	6.5	9,658	995	91.3	6.69	9,962	715	5.8	6.89	778	30.4	6.89
	23:17	480	6.3	9,346	766	72.4	6.69	491	987	7	6.91	7,747	30.8	6.9
	23:32	486	6.9	9,005	610	81.4	6.68	9,845	755	1.9	6.89	571	8.2	6.9
	23:47	466	7	11,343	995	109.4	6.69	6,900	685	1.3	6.89	4,247	41.1	6.9

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		476	7.56	1,051,557	748	114.1	6.72	746,959	731	3.7	6.93	307,362	30.4	6.93
MAXIMUM		490	8.90	14,925	995	230.2	6.81	12,390	995	9.2	7.03	14,156	48.5	7.02
MINIMUM		455	5.70	8,282	529	53.0	6.67	491	565	0.8	6.89	309	6.5	6.87
9/12/2020														
	0:02	479	6.8	14,658	946	111.5	6.69	995	994	9.4	6.92	13,483	15.9	6.92
	0:17	483	6.6	14,588	705	107.6	6.7	498	995	6.6	6.94	13,076	25.5	6.92
	0:32	0	7	9,598	602	97.9	6.72	11,208	748	2.7	6.94	0	0	0
	0:47	492	6.1	9,066	611	95.5	6.73	10,584	706	4.8	6.93	0	0	0
	1:02	488	6	12,768	773	85.1	6.71	3,693	693	7.7	6.92	8,085	34.9	6.93
	1:17	487	6.7	9,667	601	105.2	6.71	10,739	742	2	6.93	498	12.6	6.94
	1:32	481	7.3	8,930	583	110.2	6.71	10,424	696	4.6	6.93	0	0	0
	1:47	473	7.1	12,808	905	107.4	6.71	3,462	692	8.9	6.92	8,523	37.7	6.92
	2:02	483	7.7	10,032	584	107.6	6.7	9,974	737	2.5	6.93	1,493	29	6.94
	2:17	0	8	8,833	585	102.8	6.69	10,347	690	4.1	6.91	0	0	0
	2:32	0	6.1	11,959	971	91.7	6.69	4,972	679	8.2	6.91	6,211	35.4	6.92
	2:47	476	6.4	7,539	606	79.1	6.69	4,734	828	3.6	6.92	3,555	18.1	6.92
	3:02	474	7.2	8,942	569	78.7	6.69	10,452	698	1.3	6.9	0	0	0
	3:17	477	7.6	9,287	995	100.4	6.69	9,532	660	3.6	6.91	406	41.7	6.9
	3:32	0	7	12,775	555	105.6	6.69	4,563	764	3.1	6.92	7,733	35.1	6.92
	3:47	0	5.8	8,586	561	92	6.68	10,055	671	1.6	6.9	0	0	0
	4:02	470	6.4	5,306	949	81	6.67	4,589	677	3.1	6.89	1,459	30.8	6.88
	4:17	485	6.1	14,608	881	85.3	6.68	0	0	0	0	13,365	27.2	6.89
	4:32	470	6.7	9,633	564	110.9	6.67	9,548	707	2.2	6.91	1,493	27.7	6.91
	4:47	482	7.5	8,455	563	115.4	6.68	9,926	661	3.2	6.9	0	0	0
	5:02	482	7.5	11,776	954	118.8	6.67	5,033	629	7.1	6.89	5,619	41	6.9
	5:17	477	8	9,968	569	114.1	6.67	8,795	702	2.2	6.91	2,436	26.8	6.91
	5:32	0	8.6	8,343	557	106.5	6.67	9,805	652	2.3	6.89	0	0	0
	5:47	0	6.8	11,284	942	96.6	6.67	5,367	640	5.8	6.89	5,436	38.8	6.9

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	478	5.9	10,121	550	75.1	6.67	7,875	687	1.7	6.91	3,270	22.9	6.91
	6:17	480	6.7	8,150	545	71.4	6.67	9,540	636	0.7	6.89	0	0	0
	6:32	479	6.8	10,708	995	99.4	6.67	6,126	608	1.6	6.87	4,039	43.1	6.89
	6:47	473	7.4	10,503	529	115.1	6.67	7,144	681	2.3	6.91	4,076	26.2	6.91
	7:02	480	7.8	8,959	995	106.4	6.67	8,499	613	1.9	6.89	1,029	45.5	6.89
	7:17	469	8	12,192	520	101.6	6.68	4,716	701	3	6.92	7,199	32.6	6.92
	7:32	471	8.8	8,042	526	97.7	6.68	9,350	627	1.7	6.91	0	0	0
	7:47	0	7.7	8,392	995	95.4	6.68	8,676	616	5.5	6.9	716	24.3	6.89
	8:02	471	6.9	12,632	881	77	6.68	3,326	946	4.1	6.91	8,410	31.4	6.91
	8:17	481	7	13,323	952	85	6.68	12,934	995	5.5	6.91	1,990	14.9	6.91
	8:32	468	6.9	12,932	957	100.6	6.68	0	0	0	0	12,014	28.4	6.91
	8:47	479	6.7	14,631	873	101.1	6.68	1,239	826	6.7	6.91	11,888	32.2	6.91
	9:02	478	7.1	11,232	995	89	6.68	11,576	845	4.1	6.92	1,244	29.5	6.92
	9:17	483	6.9	13,874	712	88.7	6.69	4,654	844	4.5	6.92	8,081	31.9	6.92
	9:32	484	7.3	10,265	675	83.3	6.69	11,920	798	3.1	6.93	0	0	0
	9:47	469	7.6	11,344	953	84	6.69	8,307	790	7.4	6.93	4,478	29.7	6.93
	10:02	478	7.4	14,373	721	84.2	6.69	2,655	970	4.4	6.94	10,738	29.3	6.93
	10:17	476	7.9	10,315	660	82.2	6.69	12,036	803	2.8	6.93	0	0	0
	10:32	484	7.8	12,293	950	85.2	6.69	6,645	757	6.4	6.91	5,138	37.7	6.92
	10:47	477	7.6	14,508	729	83.7	6.69	2,932	900	6.2	6.93	10,284	20.2	6.93
	11:02	0	8.1	10,329	0	82.1	6.69	12,074	805	2.5	6.92	0	0	0
	11:17	477	7.7	12,062	822	81.5	6.69	1,272	813	5.4	6.92	9,630	25.6	6.92
	11:32	473	8.2	10,546	683	77.6	6.69	12,327	821	2.4	6.93	0	0	0
	11:47	474	8.1	12,333	963	76	6.69	6,379	751	4.5	6.92	5,593	34.2	6.93
	12:02	468	8.5	11,408	649	74.5	6.69	10,378	829	2.5	6.93	2,389	17.3	6.93
	12:17	0	8.6	9,938	995	74.4	6.69	11,546	771	4.5	6.93	0	0	0
	12:32	470	7.7	14,309	995	69.7	6.69	3,240	760	5	6.93	9,006	30	6.93
	12:47	483	7.8	13,038	670	72.3	6.69	6,867	854	3.4	6.93	5,968	20.1	6.93
	13:02	468	8.3	9,840	637	76.6	6.69	11,440	764	2.7	6.93	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	467	8.6	10,129	995	79.7	6.69	10,744	754	7.2	6.92	590	18.5	6.91
	13:32	467	8.6	13,386	646	79.4	6.69	4,922	861	2.9	6.93	7,987	30.4	6.93
	13:47	0	8.4	9,775	649	78.7	6.69	11,349	758	2.6	6.92	0	0	0
	14:02	475	7.1	9,837	995	70.1	6.69	11,142	742	7.1	6.91	0	0	0
	14:17	472	7.1	13,425	637	63.5	6.68	4,773	838	3.4	6.92	7,823	31.2	6.91
	14:32	0	7.4	9,608	647	78.4	6.68	11,205	749	2	6.91	0	0	0
	14:47	470	6.1	11,535	995	76.8	6.69	7,383	720	5.8	6.91	3,864	40.2	6.91
	15:02	468	5.8	14,706	738	73.1	6.69	1,992	785	6.5	6.93	10,773	19.9	6.93
	15:17	470	6.4	10,089	625	87.9	6.69	11,384	773	2.5	6.92	249	9.8	6.92
	15:32	475	6.9	9,429	928	95.4	6.69	11,026	735	5.7	6.91	0	0	0
	15:47	473	6.6	14,196	875	97.9	6.69	913	734	9.6	6.91	12,224	33.6	6.92
	16:02	479	7.1	10,405	614	94.6	6.69	10,448	775	3.4	6.92	1,493	26.3	6.92
	16:17	477	7.6	9,466	932	91.1	6.69	10,782	730	6.5	6.91	249	10.2	6.91
	16:32	472	7.3	14,551	940	98.3	6.69	0	0	0	0	13,489	33.5	6.91
	16:47	471	7.8	10,781	617	98.4	6.68	9,666	778	3.3	6.91	2,430	26.8	6.92
	17:02	470	8.4	9,293	620	95.1	6.68	10,879	726	5.2	6.91	0	0	0
	17:17	474	8.2	13,024	974	97	6.68	3,256	724	9.1	6.9	9,259	36.4	6.9
	17:32	469	8.6	11,053	614	99.7	6.67	8,904	774	2.9	6.9	3,248	24	6.91
	17:47	0	8.3	9,215	601	99.2	6.67	10,793	718	4.5	6.89	0	0	0
	18:02	478	7.1	11,342	995	83.9	6.67	6,604	706	8.7	6.89	4,653	37.5	6.89
	18:17	482	7.5	11,220	620	82.8	6.67	8,244	766	2.5	6.89	3,853	20.5	6.89
	18:32	476	8.2	9,081	606	94.4	6.67	10,636	708	2.7	6.89	0	0	0
	18:47	478	8.3	10,978	995	96.5	6.67	7,055	705	7.5	6.89	4,132	37.6	6.9
	19:02	477	8.7	11,572	602	96.8	6.67	7,180	759	2.9	6.91	4,900	26.9	6.91
	19:17	0	8.2	9,028	612	98.3	6.67	10,551	702	3.6	6.89	0	0	0
	19:32	471	6.8	10,458	995	83.7	6.67	7,813	693	7.9	6.89	3,033	45	6.88
	19:47	480	7.1	11,838	598	74.6	6.67	6,410	753	2.6	6.89	5,669	25	6.89
	20:02	478	7.8	8,836	600	93.8	6.66	10,325	688	1.7	6.89	0	0	0
	20:17	467	8.1	9,896	995	102	6.67	8,397	681	5.9	6.89	2,177	41.2	6.89

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:32	474	8.3	12,203	581	100.7	6.67	5,603	751	3.3	6.9	6,476	30.7	6.9
	20:47	481	7.7	5,059	906	98.2	6.66	2,262	713	2.6	6.89	3,275	14.2	6.88
	21:02	0	7.9	13,380	0	85.4	6.66	12,681	995	7.8	6.89	2,239	9.7	6.88
	21:17	0	7.9	5,851	80	89.6	6.66	995	995	9.6	6.89	5,217	22.5	6.88
	21:32	486	7.6	588	889	87.5	6.65	0	0	0	0	0	7.8	6.87
	21:47	478	7.7	7,822	715	79.8	6.64	6,499	769	8.2	6.86	90	9.5	6.87
	22:02	479	8.3	10,215	656	80.8	6.64	11,949	798	1.8	6.87	0	0	0
	22:17	481	8.8	10,114	680	90.8	6.64	11,850	793	5.3	6.87	0	0	0
	22:32	0	7.4	12,813	709	88.6	6.64	9,777	651	9	6.86	0	0	0
	22:47	483	7.6	10,187	677	78.5	6.63	11,862	793	2	6.87	0	0	0
	23:02	467	8.2	10,030	674	83.5	6.62	11,661	780	2.5	6.86	0	0	0
	23:17	481	8.3	12,560	700	88.1	6.62	9,776	652	7.4	6.86	0	0	0
	23:32	474	8.8	10,279	659	90.4	6.62	11,674	782	2.5	6.87	0	0	0
	23:47	0	7.8	9,951	652	89.9	6.62	11,620	772	3.8	6.86	0	0	0
AVERAGES/TOTALS		476	7.49	1,031,205	746	90.5	6.68	737,953	756	4.4	6.91	339,443	27.8	6.91
MAXIMUM		492	8.80	14,706	995	118.8	6.73	12,934	995	9.6	6.94	13,489	45.5	6.94
MINIMUM		467	5.80	588	80	63.5	6.62	498	608	0.7	6.86	90	7.8	6.87
9/13/2020														
	0:02	481	6.6	12,134	727	79.5	6.62	7,361	496	7.7	6.85	0	0	0
	0:17	477	7	7,728	660	71.5	6.61	6,251	602	4.1	6.85	80	9.4	6.86
	0:32	488	7.6	9,844	670	83.6	6.61	11,411	762	0.9	6.85	0	0	0
	0:47	481	8	10,431	995	94.5	6.62	10,836	725	4.8	6.86	0	0	0
	1:02	474	8.2	12,076	660	97.1	6.62	10,033	664	6.2	6.87	0	0	0
	1:17	0	8.3	9,719	660	98.4	6.62	11,308	754	2.7	6.86	0	0	0
	1:32	476	7.3	9,918	995	93.7	6.62	11,009	733	6.8	6.86	0	0	0
	1:47	478	7.6	12,333	636	88.7	6.61	9,572	636	6.4	6.86	0	0	0
	2:02	0	7.5	9,545	639	95.8	6.61	11,137	742	1.8	6.86	0	0	0
	2:17	0	6	9,494	995	92.9	6.61	11,051	735	5.7	6.86	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:32	472	6.3	6,553	0	84.5	6.61	3,176	516	9.3	6.85	129	9.6	6.86
	2:47	464	6.9	7,957	616	86.7	6.61	9,123	759	2.5	6.84	101	6	6.86
	3:02	0	7.3	9,417	632	102.8	6.61	10,915	727	2.3	6.84	0	0	0
	3:17	0	5.8	10,260	995	106.6	6.62	10,184	682	7.3	6.86	0	0	0
	3:32	478	6.1	4,615	0	93.3	6.62	2,277	497	9.7	6.86	0	9.8	6.86
	3:47	478	6.8	6,561	625	92.1	6.61	7,557	756	2.9	6.85	55	5.6	6.87
	4:02	483	7.5	9,279	632	107.3	6.61	10,713	716	1.2	6.84	0	0	0
	4:17	0	6.1	9,641	995	113.8	6.61	10,319	688	5.9	6.85	0	0	0
	4:32	474	6	6,727	0	100.8	6.61	3,249	481	9.7	6.86	0	6.4	6.86
	4:47	477	6.8	6,068	604	95.7	6.6	6,935	747	2.9	6.85	90	4.7	6.86
	5:02	466	7.5	9,058	601	108.4	6.61	10,551	702	1	6.84	0	0	0
	5:17	0	6.3	9,438	871	117.1	6.61	10,134	679	5.4	6.84	0	0	0
	5:32	0	5.6	8,014	0	104.6	6.61	6,311	618	8.9	6.85	0	3.2	6.84
	5:47	472	6.6	2,655	597	98.5	6.59	3,029	799	4.6	6.83	72	1.5	6.84
	6:02	472	7.3	8,920	582	103.9	6.59	10,375	691	1.9	6.82	0	0	0
	6:17	0	6.9	8,865	841	122.4	6.6	10,274	685	6.4	6.84	0	0	0
	6:32	0	5.5	10,914	573	113.3	6.61	9,333	618	7.8	6.84	0	0	0
	6:47	485	6.4	1,454	0	101.2	6.6	1,678	673	3.2	6.84	4	4.4	6.84
	7:02	473	7	7,565	584	101.3	6.59	8,643	708	4.1	6.82	78	3.5	6.83
	7:17	0	7.3	8,676	844	117.5	6.59	10,022	670	6.6	6.82	0	0	0
	7:32	478	6.5	8,856	792	99.9	6.6	6,633	600	9.7	6.83	233	9.1	6.83
	7:47	484	6.6	12,155	848	49.7	6.59	7,560	971	4.2	6.83	5,808	3.5	6.83
	8:02	487	6.8	13,085	863	96.4	6.6	14,632	993	0.6	6.84	249	7.6	6.84
	8:17	472	7	9,799	995	118.2	6.61	4,834	968	0.4	6.84	5,578	42.2	6.84
	8:32	485	7	11,755	831	119.6	6.61	3,476	991	0.3	6.84	8,550	44.3	6.85
	8:47	469	7.2	12,802	837	92.6	6.61	14,783	986	0.3	6.85	0	0	0
	9:02	474	7.2	9,500	995	82	6.61	10,092	984	0.3	6.86	822	20.6	6.85
	9:17	470	7	14,299	719	75.6	6.61	2,920	974	7.7	6.87	10,366	42.2	6.85
	9:32	479	7.1	11,978	995	67	6.62	8,177	820	6.9	6.87	4,203	39.4	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:47	476	7.3	12,756	669	58.2	6.62	7,920	879	3.3	6.89	5,194	22.9	6.87
	10:02	474	7.7	10,269	698	47.4	6.64	11,927	796	5.3	6.89	0	0	0
	10:17	475	7.9	11,171	995	46.3	6.64	9,767	777	8.6	6.89	1,972	48.8	6.89
	10:32	476	8	12,982	679	46	6.64	7,481	879	2.4	6.89	5,536	23.9	6.89
	10:47	482	8.5	10,234	662	44.6	6.64	11,879	793	3.1	6.89	0	0	0
	11:02	469	8.7	10,858	995	45.9	6.64	10,517	777	7.2	6.89	1,172	48.2	6.88
	11:17	479	8.7	13,184	676	46.5	6.64	7,214	875	2.8	6.89	5,764	26.2	6.89
	11:32	477	8.3	10,171	681	47.2	6.63	11,852	791	2.6	6.88	0	0	0
	11:47	464	8.6	10,469	995	45.6	6.63	11,255	773	6.6	6.87	348	40.4	6.87
	12:02	468	8.7	13,397	670	49.7	6.62	6,309	869	3.1	6.87	6,545	28.7	6.87
	12:17	0	8.4	10,149	671	54.1	6.62	11,752	786	2.5	6.87	0	0	0
	12:32	477	7.1	10,077	995	49.3	6.64	11,735	781	6.9	6.87	0	0	0
	12:47	474	7	13,622	680	43.5	6.63	5,588	824	4.1	6.87	6,970	29.8	6.87
	13:02	473	7.6	10,021	677	59.2	6.64	11,695	779	1.9	6.87	0	0	0
	13:17	469	8	10,001	995	64.8	6.64	11,634	775	7.2	6.87	0	0	0
	13:32	470	7.9	13,958	687	66.6	6.64	3,827	905	3.7	6.89	9,210	29.3	6.89
	13:47	474	8.4	9,982	644	71.3	6.64	11,609	776	3.1	6.88	0	0	0
	14:02	470	8.3	12,426	949	71	6.65	6,115	745	7.8	6.88	5,479	35.6	6.88
	14:17	476	8.6	11,244	661	70.8	6.64	9,979	815	2.5	6.88	2,615	18.7	6.89
	14:32	0	8.3	9,939	675	72.9	6.64	11,564	769	6.3	6.87	0	0	0
	14:47	470	7	13,660	673	64.9	6.64	4,320	861	6.2	6.88	8,442	27.7	6.87
	15:02	465	7.6	9,909	661	65.3	6.64	11,568	770	1.3	6.87	0	0	0
	15:17	470	7.7	11,625	995	80.9	6.65	7,721	739	4.7	6.87	3,636	41.1	6.88
	15:32	470	8	11,915	647	86	6.66	8,130	816	2.4	6.89	4,439	23.6	6.89
	15:47	470	8.4	9,779	649	83.6	6.66	11,344	757	4.7	6.87	0	0	0
	16:02	460	8.3	13,573	651	83.2	6.66	4,546	791	6.8	6.88	7,858	32	6.89
	16:17	463	8.8	9,844	660	86.7	6.66	11,385	761	2.6	6.88	0	0	0
	16:32	0	7.5	11,363	995	84.1	6.66	7,907	732	7.1	6.87	3,373	42	6.87
	16:47	476	6.3	11,935	644	65.9	6.64	7,837	803	2	6.87	4,579	23	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:02	475	6.9	9,605	631	62.6	6.64	11,113	742	1.4	6.86	0	0	0
	17:17	486	6.8	13,461	666	84.6	6.64	4,090	796	3.7	6.87	8,275	28	6.87
	17:32	476	7.4	9,671	647	97	6.66	11,250	748	2.5	6.88	0	0	0
	17:47	477	7.4	11,155	995	96.1	6.66	7,738	734	7.3	6.88	3,580	40.3	6.88
	18:02	479	7.7	12,017	639	96.3	6.66	7,253	786	2.8	6.89	4,976	27.7	6.89
	18:17	469	8.2	9,453	938	96.4	6.66	10,941	730	5.6	6.88	0	0	0
	18:32	471	8	13,972	658	90.6	6.66	2,777	851	7.4	6.88	10,158	35	6.88
	18:47	467	8.6	9,575	627	92.4	6.66	11,134	741	3.1	6.88	0	0	0
	19:02	0	7.8	11,081	995	91.2	6.66	7,609	725	7.7	6.87	3,686	41.4	6.88
	19:17	0	6.1	11,973	622	77.4	6.64	7,019	780	2.6	6.88	5,273	26.2	6.89
	19:32	474	6.6	9,256	618	66	6.64	10,727	714	2	6.87	0	0	0
	19:47	466	6.5	13,299	646	79.4	6.64	3,978	728	4.2	6.86	8,021	32.2	6.87
	20:02	465	7.1	9,383	616	99.1	6.65	10,909	728	2.4	6.88	0	0	0
	20:17	480	7.3	10,599	995	98.8	6.66	8,154	689	6.8	6.88	2,560	49.7	6.88
	20:32	471	7.5	12,008	601	102	6.65	6,519	769	3	6.89	5,610	28.7	6.89
	20:47	471	8.1	9,109	601	100.1	6.64	10,512	703	4.3	6.88	0	0	0
	21:02	469	8	13,219	634	96.9	6.64	3,664	750	7.7	6.88	8,486	33.9	6.88
	21:17	468	8.6	9,270	608	99.2	6.64	10,697	718	2.6	6.88	0	0	0
	21:32	0	7.5	10,459	995	94.5	6.64	8,404	686	7	6.87	2,208	49.3	6.87
	21:47	0	5.9	12,092	597	79.3	6.63	6,269	764	2.4	6.87	5,840	28	6.87
	22:02	478	6.6	9,014	615	67.6	6.62	10,408	697	1.3	6.86	0	0	0
	22:17	472	6.6	13,104	654	87	6.62	3,817	713	3	6.86	8,229	29.5	6.86
	22:32	471	7.1	9,310	593	102.7	6.62	10,824	724	2.1	6.87	0	0	0
	22:47	477	7.4	10,292	995	99.5	6.62	8,433	679	5.7	6.87	1,968	49.1	6.87
	23:02	472	7.6	12,244	586	99.7	6.63	5,918	765	2.9	6.88	6,233	30.7	6.87
	23:17	482	7.8	11,987	958	96	6.62	4,604	706	2.7	6.87	8,458	21.5	6.87
	23:32	477	7.6	14,596	696	95.8	6.62	249	995	6.6	6.89	13,121	29.3	6.88
	23:47	486	8.1	9,541	615	96.1	6.62	11,005	734	2.8	6.88	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		474	7.36	1,001,346	748	84.5	6.63	810,266	757	4.4	6.87	226,232	26.3	6.87
MAXIMUM		488	8.80	14,596	995	122.4	6.66	14,783	995	9.7	6.89	13,121	49.7	6.89
MINIMUM		460	5.50	1,454	573	43.5	6.59	249	481	0.3	6.82	4	1.5	6.83
9/14/2020														
	0:02	483	8.4	10,054	995	99.1	6.62	8,483	687	5.8	6.87	2,161	41.9	6.86
	0:17	468	8.6	12,438	591	100.3	6.62	5,801	778	2.7	6.87	6,469	30	6.87
	0:32	0	8.1	3,043	952	100.6	6.62	3,439	683	1.8	6.86	62	2.8	6.86
	0:47	0	8.3	11,821	140	80.9	6.62	6,204	990	1.9	6.86	6,684	15.2	6.85
	1:02	475	7.8	12,001	995	80.9	6.61	1,793	923	1.6	6.86	8,190	33.8	6.86
	1:17	476	7.9	12,902	712	88.9	6.61	7,480	878	3.3	6.87	5,605	20.4	6.87
	1:32	476	8.3	10,629	944	88.2	6.62	12,260	818	5.7	6.87	0	0	0
	1:47	472	8.1	14,317	785	84.5	6.62	1,572	895	7.8	6.87	11,675	32.1	6.87
	2:02	472	8.5	11,004	706	82.1	6.62	12,712	850	3.8	6.87	0	0	0
	2:17	481	8.3	13,689	780	80.9	6.62	4,436	814	6.9	6.87	8,095	32.4	6.87
	2:32	467	8.6	11,001	719	78.4	6.62	12,752	850	3.5	6.87	0	0	0
	2:47	472	8.7	12,100	995	78.4	6.62	7,995	823	7.9	6.87	4,549	40.2	6.87
	3:02	467	8.7	12,977	709	76.6	6.62	7,336	891	2.9	6.87	5,852	25.8	6.87
	3:17	0	7.9	10,609	706	73	6.62	12,273	819	5.5	6.87	0	0	0
	3:32	0	5.9	13,520	769	68.2	6.62	3,708	664	8.1	6.87	1,196	32	6.87
	3:47	0	5.8	3,703	0	59.7	6.62	0	0	2.2	6.87	0	2.6	6.87
	7:32	492	5.6	6,849	995	96.7	6.54	0	0	0	0	4,670	17.3	6.81
	7:47	0	5.5	10,571	0	90.1	6.55	0	0	0	0	6,715	12.5	6.8
	10:02	490	5.6	2,941	745	165.2	6.52	1,592	883	3	6.88	1,696	39.4	7.07
	10:17	480	6.1	10,251	640	89	6.53	11,011	736	0.9	6.79	0	0	0
	10:32	488	6.1	13,380	725	136.2	6.55	3,887	758	2.8	6.8	7,229	37.1	6.8
	10:47	484	6.5	10,014	995	149.1	6.56	10,738	716	3.9	6.82	0	0	0
	11:02	476	6.3	10,767	820	156.8	6.57	946	648	7.3	6.82	7,270	36.5	6.85
	11:17	478	6.8	10,588	629	147.7	6.57	10,605	745	2.1	6.85	729	12.4	6.9

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:32	479	7	10,860	995	143.5	6.58	7,918	700	5.8	6.84	3,101	42.9	6.84
	11:47	484	7.2	12,766	653	144.9	6.59	6,058	782	2.8	6.86	6,179	34.6	6.86
	12:02	476	7.8	9,528	622	136.9	6.58	10,015	664	2.2	6.84	0	0	0
	12:17	475	7.7	12,918	767	140.4	6.58	3,252	642	4.9	6.84	6,920	35.6	6.85
	12:32	470	8.2	10,106	648	140.4	6.58	10,524	702	1.5	6.85	0	6.6	6.86
	12:47	462	8.5	10,355	995	138.4	6.57	8,432	662	2	6.84	1,386	41.5	6.82
	13:02	471	8.7	12,543	632	140.9	6.57	5,560	738	1.8	6.84	5,384	29.6	6.84
	13:17	481	8.1	10,895	995	138.9	6.57	7,579	652	1.1	6.83	2,031	46.7	6.82
	13:32	478	8.3	11,976	621	122.4	6.57	6,494	722	1.5	6.84	4,361	22.4	6.84
	13:47	479	8.2	13,416	868	124.7	6.57	2,552	675	0.7	6.82	8,742	24.6	6.84
	14:02	472	8.5	11,863	739	128.3	6.58	13,664	911	2.2	6.84	0	0	0
	14:17	480	8.3	12,934	995	130.4	6.59	6,960	874	4.1	6.84	5,729	36.3	6.85
	14:32	481	8.6	12,165	687	126.4	6.59	9,783	869	3.1	6.86	3,378	26.6	6.86
	14:47	475	8.6	10,327	995	117.1	6.59	11,682	792	5.3	6.85	249	7.8	6.84
	15:02	480	8.5	13,924	713	97.7	6.59	4,143	923	4.5	6.87	8,960	33.8	6.85
	15:17	0	7.2	12,422	995	82.6	6.61	7,032	805	4.2	6.86	5,095	35.4	6.87
	15:32	485	7.3	11,885	699	55.8	6.61	9,776	850	1.7	6.87	3,183	20.8	6.87
	15:47	484	7.8	10,384	995	66	6.61	12,032	800	3.2	6.86	0	0	0
	16:02	482	7.6	13,749	705	64.2	6.62	4,769	839	4.1	6.88	7,769	31.3	6.88
	16:17	485	8.1	10,468	678	59.2	6.63	12,147	808	2.2	6.89	0	0	0
	16:32	477	8	12,178	995	56.1	6.64	7,328	792	5	6.89	4,699	35.3	6.9
	16:47	480	8.3	11,973	678	57.2	6.64	9,557	847	1.8	6.91	3,381	18.9	6.92
	17:02	478	8.8	10,298	995	58.4	6.64	11,990	799	3	6.9	0	0	0
	17:17	483	8.6	13,768	693	60.2	6.64	5,024	848	4.4	6.9	7,735	28	6.9
	17:32	482	8.7	10,400	694	63.9	6.63	12,062	805	1.5	6.9	0	0	0
	17:47	471	8.6	12,085	995	63	6.62	7,496	790	3.8	6.89	4,456	35.8	6.88
	18:02	486	8.9	12,072	687	68	6.62	9,336	844	1.8	6.89	3,569	19.7	6.9
	18:17	118	8.9	10,278	666	69.4	6.62	11,944	796	2.6	6.88	0	0	0
	18:32	464	8.5	13,661	713	69.4	6.62	4,821	827	4.1	6.88	7,858	29.8	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:47	0	7.6	11,836	995	74.9	6.62	8,455	786	1.4	6.88	3,467	36.2	6.87
	19:02	485	6.5	12,221	677	66.8	6.62	8,370	841	1.8	6.88	4,435	20.4	6.89
	19:17	473	7	10,192	661	64.6	6.61	11,785	787	1.1	6.87	0	0	0
	19:32	473	6.9	13,650	708	86.6	6.62	4,360	800	3.1	6.87	8,088	30.7	6.88
	19:47	473	7.4	10,331	664	95	6.62	12,004	800	1.5	6.89	0	0	0
	20:02	475	7.4	11,611	995	99.1	6.63	8,389	781	4	6.89	3,413	39.9	6.89
	20:17	486	7.7	12,356	676	101.2	6.63	8,029	844	2.1	6.9	4,797	26.5	6.9
	20:32	480	8.1	10,165	657	100.2	6.62	11,827	787	2.9	6.88	0	0	0
	20:47	478	8	13,603	734	100	6.62	4,324	813	5.5	6.88	8,203	33.5	6.89
	21:02	467	8.4	10,357	662	100.5	6.62	11,956	802	2.2	6.89	0	0	0
	21:17	480	8.5	11,462	995	103.8	6.62	8,528	778	5.9	6.87	3,266	41.6	6.87
	21:32	474	8.7	12,477	669	105.3	6.61	7,555	843	2.3	6.87	5,297	27.8	6.88
	21:47	484	8.7	10,113	683	110.5	6.61	11,723	784	3.2	6.86	0	0	0
	22:02	476	8.6	13,546	719	105.4	6.61	4,215	821	5.9	6.85	8,395	33.3	6.86
	22:17	0	8.2	10,365	676	108.8	6.59	12,007	801	1.7	6.86	0	0	0
	22:32	479	7.3	11,282	995	98.9	6.59	8,993	761	3.8	6.84	2,609	48.8	6.84
	22:47	483	7.5	12,504	680	98.9	6.59	7,325	838	2.1	6.85	5,435	25.3	6.85
	23:02	470	8.1	10,069	662	112.1	6.59	11,701	778	2.2	6.84	0	0	0
	23:17	471	6.1	13,491	733	115	6.6	3,999	802	5	6.84	8,501	34.6	6.85
	23:32	471	6.6	10,264	646	97.1	6.59	11,877	794	1.5	6.85	0	0	0
	23:47	471	6.8	11,145	995	115.5	6.59	8,957	763	2.8	6.84	2,646	46.2	6.85
AVERAGES/TOTALS		472	7.76	836,406	778	98.3	6.60	573,332	795	3.3	6.86	261,564	29.3	6.87
MAXIMUM		492	8.90	14,317	995	165.2	6.64	13,664	990	8.1	6.91	11,675	48.8	7.07
MINIMUM		118	5.50	2,941	140	55.8	6.52	946	642	0.7	6.79	62	2.6	6.80
9/15/2020														
	0:02	486	7	12,573	683	125.8	6.61	6,866	833	2.8	6.87	5,904	31.1	6.87
	0:17	480	7.5	9,987	669	121.3	6.61	11,571	772	4.2	6.87	0	0	0
	0:32	479	7.4	13,384	726	122.7	6.61	3,751	781	8.1	6.87	8,667	37.3	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:47	482	7.8	10,314	673	123.3	6.61	11,957	799	2.6	6.88	0	0	0
	1:02	483	8	11,039	995	123	6.61	9,130	762	5.5	6.86	2,454	43.2	6.86
	1:17	479	8.1	12,652	661	123.4	6.61	6,669	836	2.6	6.87	6,048	32.6	6.87
	1:32	480	8.6	9,962	635	122	6.6	11,556	770	3.3	6.86	0	0	0
	1:47	474	7.4	13,332	744	112.4	6.6	3,805	751	6.9	6.86	8,508	35.3	6.86
	2:02	479	7.9	10,313	653	99.7	6.59	11,927	798	1.8	6.86	0	0	0
	2:17	0	7.5	10,778	995	111.3	6.59	9,352	757	3.9	6.85	2,200	43	6.85
	2:32	482	6.7	12,708	650	98.5	6.59	6,421	830	2.4	6.86	6,247	32	6.86
	2:47	481	7.3	9,875	659	92.4	6.59	11,461	762	1.5	6.85	0	0	0
	3:02	479	7.2	13,217	769	118.4	6.59	3,919	720	4.3	6.84	8,090	36.7	6.86
	3:17	479	7.7	10,280	645	121.4	6.59	11,909	796	2.5	6.86	0	7	6.87
	3:32	471	7.9	10,630	995	118.7	6.59	9,445	751	5.2	6.86	1,941	45.3	6.86
	3:47	477	8	12,809	654	114.4	6.6	5,986	830	2.8	6.87	6,687	35	6.87
	4:02	480	8.6	9,755	638	114.1	6.59	11,374	758	2.9	6.86	0	0	0
	4:17	483	8.4	13,059	785	110	6.59	4,178	719	6.8	6.85	7,855	38.2	6.85
	4:32	477	8.9	10,368	659	111	6.59	11,407	790	2.5	6.85	498	13.5	6.86
	4:47	479	8.6	10,512	995	104	6.58	9,706	749	5.4	6.84	1,672	45	6.84
	5:02	471	8.7	12,929	648	102.4	6.57	5,789	827	2.8	6.85	6,941	33.5	6.85
	5:17	470	8.8	9,695	624	104	6.57	11,270	751	3.2	6.84	0	0	0
	5:32	474	8.6	12,959	801	98.2	6.57	4,113	740	6.8	6.82	7,908	36.2	6.83
	5:47	481	8.6	10,427	638	106.5	6.57	11,197	788	2.6	6.83	746	20.1	6.84
	6:02	484	8.5	10,292	995	98.2	6.57	9,928	744	5.8	6.82	1,401	37.7	6.82
	6:17	476	8.6	12,992	639	101.7	6.56	5,624	827	3	6.83	7,084	35.8	6.83
	6:32	474	8.6	9,655	634	107.7	6.56	11,183	748	3.3	6.82	0	0	0
	6:47	485	8.5	12,862	834	99.2	6.56	4,370	730	7.3	6.82	7,498	36.6	6.82
	7:02	0	8.6	10,418	646	103.5	6.56	10,941	782	2.2	6.82	995	27.3	6.83
	7:17	481	8.5	10,091	995	102.7	6.56	10,050	735	4.9	6.81	1,016	34.5	6.81
	7:32	489	8.6	13,100	642	96.3	6.56	5,117	823	3	6.82	7,506	35.1	6.82
	7:47	0	8.1	9,586	636	114.4	6.56	11,104	738	2.4	6.8	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:02	0	6	12,675	887	91.8	6.56	4,584	721	5.6	6.8	7,177	33.8	6.8
	8:17	478	6.4	10,585	667	79.7	6.55	10,617	771	1.8	6.8	1,244	27.8	6.81
	8:32	483	6.8	10,245	995	98.9	6.55	10,171	727	2.6	6.79	784	20.9	6.79
	8:47	0	6.5	8,108	0	122.1	6.56	0	0	0	0	5,452	41	6.84
	9:02	485	6.8	8,220	626	99.4	6.57	6,766	736	1.7	6.82	2,027	41.4	6.85
	9:17	478	7.5	9,528	641	109.5	6.57	11,040	736	1.1	6.81	0	0	0
	9:32	487	7.3	13,561	658	122.1	6.57	4,246	778	4	6.82	8,205	35.2	6.82
	9:47	488	7.8	9,669	644	118.2	6.57	11,136	746	1.6	6.83	0	0	0
	10:02	473	8	11,210	995	117.1	6.77	7,542	727	3.3	6.82	3,821	39.6	6.82
	10:17	477	8.3	11,935	623	122.4	6.86	7,773	797	2.5	6.83	4,695	29	6.83
	10:32	479	8.3	12,053	995	140.9	6.83	5,878	736	1.6	6.82	6,965	27.2	6.82
	10:47	475	8	14,639	697	157.3	6.22	2,375	954	5.5	6.83	11,323	1.3	6.89
	11:02	0	8.2	9,526	995	779.7	6.03	10,503	739	1.9	6.81	14	1.7	5.41
	11:17	488	6.9	14,053	822	349.3	7.13	554	708	4.3	6.81	12,380	28.1	6.78
	11:32	477	7.5	9,844	592	93.9	6.52	9,872	702	1.2	6.81	988	22.5	6.82
	11:47	476	7.9	9,678	995	104.3	6.51	9,400	660	1.3	6.81	528	45.3	6.8
	12:02	479	8	12,595	616	108.6	6.52	4,714	752	2	6.83	6,099	31.2	6.83
	12:17	477	8.6	9,539	636	108.2	6.5	10,710	714	1	6.82	0	0	0
	12:32	475	8.4	12,717	943	107.3	6.53	4,754	679	3.1	6.82	6,929	34.1	6.82
	12:47	472	8.9	10,838	674	103.9	6.51	10,334	767	2.1	6.83	1,493	24.3	6.84
	13:02	0	6.8	13,281	759	99.5	6.54	3,937	674	2	6.82	8,120	30.4	6.82
	13:17	486	6.4	10,213	648	74.4	6.55	11,237	753	1.6	6.82	0	0	0
	13:32	476	6.7	10,477	995	78.5	6.56	9,153	689	0.8	6.8	1,474	49.4	6.8
	14:17	0	5.6	4,628	665	0	6.62	2,839	950	3.5	7.02	1,959	10.6	7.04
	14:32	478	5.6	9,752	641	69.3	6.75	10,759	718	0.8	6.84	0	0	0
	14:47	474	5.7	11,790	995	102.4	6.78	6,536	676	0.7	6.8	4,109	38.6	6.81
	15:02	479	6.2	10,655	584	135.7	6.9	7,303	665	1.4	6.83	3,358	20.8	6.83
	15:17	480	6.8	9,295	995	136.3	6.98	10,151	674	2.1	6.82	0	0	0
	15:32	472	6.7	13,261	606	133.6	7.01	3,792	692	4.6	6.83	8,010	36.3	6.83

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:47	475	7.4	8,889	597	126.2	7.05	9,429	632	1	6.83	0	0	0
	16:02	482	7.6	11,124	995	128.7	7.08	6,168	611	2.2	6.82	3,188	42.4	6.83
	16:17	482	8	10,852	584	129.9	7.12	7,076	670	1.7	6.84	3,585	25.8	6.84
	16:32	473	8.6	8,717	902	125.3	7.15	9,399	626	0.9	6.82	0	0	0
	16:47	475	8.6	13,150	595	119.7	7.17	3,652	661	2.8	6.82	6,754	31.3	6.82
	17:02	485	8.7	8,784	583	118.9	7.21	9,378	626	0.9	6.82	0	0	0
	17:17	471	8.4	10,960	995	109.1	7.21	6,208	604	0.9	6.8	3,097	39	6.8
	17:32	480	8.9	10,822	581	112.4	7.25	6,943	668	1.7	6.81	3,504	18.7	6.82
	17:47	0	8.6	8,662	570	114	7.28	9,283	618	0.6	6.8	0	0	0
	18:02	471	8.6	13,009	591	111.5	7.26	3,746	650	2.1	6.8	6,518	28.3	6.8
	18:17	479	8.7	8,746	572	121.4	7.29	9,234	618	0.9	6.79	0	0	0
	18:32	484	8.5	10,770	995	119	7.29	6,266	600	0.8	6.79	2,917	38.6	6.78
	18:47	474	8.9	10,940	563	110.4	7.3	6,757	658	2.1	6.8	3,685	20.1	6.8
	19:02	0	8.6	8,583	558	113	7.31	9,274	617	0.7	6.79	0	0	0
	19:17	473	8.6	12,920	598	111.7	7.3	3,917	642	2.3	6.79	6,427	28.3	6.79
	19:32	483	8.5	10,113	995	115.6	7.32	7,362	598	1.2	6.79	1,707	40.7	6.79
	19:47	0	8.7	11,568	558	114.5	7.33	5,608	655	2.4	6.8	4,756	19.2	6.8
	20:02	475	7.6	12,215	995	106.5	7.1	4,338	576	1.7	6.78	4,710	22.9	6.72
	20:17	474	7.7	13,119	573	112.4	6.79	3,111	702	4	6.68	7,726	20.9	6.68
	20:32	488	8.2	9,000	995	124.3	6.82	9,126	616	1.4	6.66	196	34.4	6.66
	20:47	476	8.3	12,900	581	126.5	6.79	4,634	774	3	6.68	7,482	28.4	6.67
	21:02	484	9	8,804	592	122.3	6.82	10,137	676	0.9	6.66	0	0	0
	21:17	481	7.4	12,205	862	112.6	6.79	4,438	661	1	6.66	6,691	30.8	6.66
	21:32	478	8	9,762	577	99.3	6.82	9,555	707	1.7	6.67	1,493	18.3	6.67
	21:47	473	8.5	8,863	995	110.1	6.8	9,718	648	0.9	6.66	0	0	0
	22:02	473	7.9	13,050	577	109.5	6.77	4,239	761	3	6.68	7,910	29	6.67
	22:17	475	8.6	8,557	561	105.1	6.8	9,830	658	0.8	6.66	0	0	0
	22:32	480	7.6	11,906	936	109.3	6.76	4,887	624	0.9	6.66	5,804	31.1	6.66
	22:47	480	8.2	9,740	576	103.7	6.79	9,043	693	1.8	6.67	1,976	17.6	6.68

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:02	0	8.1	8,548	995	110	6.79	9,560	639	0.8	6.66	0	0	0
	23:17	474	7.5	12,968	555	96.3	6.77	4,174	710	3.3	6.67	7,665	28.5	6.67
	23:32	484	8.3	8,370	554	101.6	6.8	9,571	642	0.8	6.66	0	0	0
	23:47	474	7.3	11,677	921	110.3	6.77	4,901	611	0.8	6.66	5,630	31.6	6.67
	AVERAGES/TOTALS	479	7.87	1,027,416	741	120.9	6.75	712,714	719	2.6	6.80	318,441	30.4	6.79
	MAXIMUM	489	9.00	14,639	995	779.7	7.33	11,957	954	8.1	7.02	12,380	49.4	7.04
	MINIMUM	470	5.60	4,628	554	69.3	6.03	554	576	0.6	6.66	14	1.3	5.41
9/16/2020														
	0:02	476	7.9	10,643	555	95.1	6.78	7,768	705	2.4	6.67	3,921	23.2	6.68
	0:17	0	8.1	8,229	995	110.1	6.72	9,484	634	0.9	6.66	0	0	0
	0:32	478	7.2	13,051	546	116.6	6.03	3,629	711	3.3	6.68	8,175	29.2	6.67
	0:47	472	8	8,209	548	103.5	6.69	9,450	630	1.1	6.67	0	0	0
	1:02	478	7	11,464	995	116.9	6.81	5,006	597	0.8	6.66	5,187	33.2	6.67
	1:17	474	7	13,406	533	109.2	6.85	3,208	757	4.1	6.68	8,948	19.3	6.68
	1:32	475	7.7	8,046	995	117.1	6.92	9,355	624	0.9	6.67	0	0	0
	1:47	482	7.8	13,044	555	120	6.89	3,991	664	3.1	6.69	7,457	29.9	6.68
	2:02	479	8.6	8,053	524	118.3	6.93	9,280	620	0.9	6.68	0	0	0
	2:17	484	7.5	12,171	743	111.8	6.89	3,600	606	0.9	6.68	7,477	29.8	6.68
	2:32	493	7.8	8,798	532	101.2	6.92	9,319	652	1.7	6.68	746	18	6.7
	2:47	0	7.9	8,587	995	98.9	6.95	8,297	600	0.7	6.67	871	1	6.67
	3:02	481	7.8	12,274	533	99.1	6.88	4,693	691	2.4	6.68	6,893	20.1	6.67
	3:17	487	8.6	7,853	514	113	6.98	9,032	605	0.5	6.67	0	0	0
	3:32	476	7.6	11,911	822	118.7	6.95	4,023	568	0.6	6.66	6,539	30.5	6.67
	3:47	483	8.4	8,874	529	112.1	7.01	8,833	644	1.4	6.67	1,244	20.4	6.68
	4:02	0	7.8	8,439	995	124.5	7.02	8,666	594	0.6	6.65	200	38.8	6.64
	4:17	484	7.8	12,416	523	109.8	6.96	4,347	693	2.5	6.66	7,342	28.2	6.66
	4:32	475	8.7	7,887	508	117.7	7.03	9,119	608	0.6	6.65	0	0	0
	4:47	476	7.7	11,779	886	116.8	6.96	4,191	574	0.6	6.64	6,106	30.3	6.65

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	5:02	492	8.5	8,837	500	118.6	7.02	8,606	636	1.6	6.65	1,493	20.3	6.66
	5:17	469	7.8	7,992	995	118.7	7.02	8,662	576	0.6	6.64	0	0	0
	5:32	482	8.1	12,539	501	114.3	6.96	3,910	676	2.9	6.64	7,726	27.5	6.64
	5:47	0	8.8	7,623	506	122.4	7.03	8,832	588	0.6	6.64	0	0	0
	6:02	483	7.4	11,554	934	121.3	6.98	4,226	552	0.6	6.63	5,747	30.9	6.64
	6:17	475	8.2	8,925	487	111.4	7.02	8,121	626	1.6	6.64	1,989	18.1	6.64
	6:32	0	8	7,718	995	120.5	7.03	8,546	571	0.6	6.63	0	0	0
	6:47	484	7.4	12,568	502	106.8	6.97	4,014	657	3.4	6.64	7,482	27.4	6.63
	7:02	485	8.3	7,617	511	112.5	7.03	8,768	586	0.7	6.63	0	0	0
	7:17	484	8.4	11,369	957	125.5	6.97	4,478	553	0.6	6.63	5,441	31.3	6.63
	7:32	0	8.2	13,008	801	128.2	6.94	3,532	674	3.3	6.64	6,969	22.2	6.64
	7:47	481	7.9	13,581	766	124.2	6.92	1,196	773	4.6	6.64	9,767	16.5	6.64
	8:02	486	8.4	10,857	721	122.2	6.99	11,369	757	1.7	6.64	0	0	0
	8:17	482	8.3	12,458	995	125.6	6.96	6,383	753	3	6.64	4,356	31.6	6.64
	8:32	484	8.7	11,935	650	123.3	6.99	7,632	761	3	6.64	4,124	20.3	6.64
	8:47	472	7.3	11,632	995	99.3	6.99	6,810	716	5.1	6.64	3,926	34	6.64
	9:02	466	7.5	12,210	732	78.1	6.97	8,144	834	2.6	6.64	4,205	19.9	6.64
	9:17	467	7.8	10,824	709	89.4	7	12,138	810	4.4	6.64	0	0	0
	9:32	467	7.6	13,463	725	83.9	6.94	4,395	766	7.4	6.65	7,510	30.3	6.65
	9:47	464	8	10,198	661	85.9	6.93	11,240	747	2.5	6.66	0	0	0
	10:02	466	8.1	11,483	995	238.1	6.67	8,036	717	4.5	6.66	2,656	42.8	6.66
	10:17	468	8.2	12,105	661	55.9	6.4	7,154	775	2.6	6.66	4,674	18.6	6.66
	10:32	458	8.7	9,983	668	73	6.64	11,022	729	2.2	6.66	0	0	0
	10:47	464	8.5	13,367	747	73.1	6.63	2,728	449	4.4	6.66	915	27.5	6.66
	11:02	0	8.3	5,624	766	71.6	6.63	1,418	213	3	6.66	1,494	5.4	6.66
	11:17	457	8.2	10,444	689	66.6	6.63	11,613	776	2.1	6.66	0	0	0
	11:32	462	8.1	13,436	737	78.3	6.62	4,768	751	3.7	6.66	7,017	25.8	6.66
	11:47	461	8.5	10,366	669	97.3	6.62	11,541	772	1.6	6.66	0	0	0
	12:02	466	8.5	11,280	995	103.1	6.63	8,922	739	2	6.66	2,270	47.9	6.66

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:17	464	8.6	12,589	641	105.9	6.63	7,325	834	2.5	6.66	5,272	18.7	6.66
	12:32	0	7.8	10,065	663	106.9	6.63	11,467	763	1.6	6.66	0	0	0
	12:47	462	6.3	13,434	735	95.8	6.63	4,661	751	3.2	6.66	7,063	28.1	6.66
	13:02	475	6.8	10,375	676	96.5	6.63	11,707	783	1.7	6.66	0	0	0
	13:17	454	6.8	8,915	995	129.5	6.63	7,991	767	2.5	6.65	1,464	14.2	6.55
	13:32	461	7.2	8,415	226	146.1	6.64	0	571	6	6.63	6,485	23.2	6.61
	13:47	0	7.3	4,693	914	164.8	6.64	3,689	876	5.5	6.64	1,304	5.9	6.57
	14:02	461	6.3	10,207	667	177.1	6.66	10,489	810	4.6	6.64	994	6.1	6.64
	14:47	464	6.4	3,862	995	235.1	6.59	0	0	0	0	4,012	11.8	6.53
	16:47	487	5.6	8,264	907	321.8	6.61	0	0	0	0	6,519	41.9	6.54
	17:02	481	6	11,667	661	343.3	6.59	9,803	830	6.4	6.55	3,077	34.9	6.54
	17:17	477	5.9	12,135	911	323.4	6.6	6,776	730	5.6	6.56	4,413	48.7	6.56
	17:32	479	6.3	11,897	664	286.5	6.61	9,179	833	4.2	6.58	3,618	38.1	6.57
	17:47	484	6.3	11,830	995	249.3	6.63	7,601	734	2.3	6.58	3,616	45.1	6.58
	18:02	483	6.5	12,177	666	237.9	6.63	8,390	842	4.1	6.59	4,406	33.6	6.59
	18:17	471	7	10,043	666	225.1	6.63	11,503	765	2.5	6.58	0	0	0
	18:32	482	6.8	13,720	723	216.6	6.63	4,317	797	4.6	6.58	7,917	35.4	6.58
	18:47	480	7.3	10,323	670	196.8	6.63	11,751	786	2.4	6.58	0	0	0
	19:02	483	7.4	11,726	995	188.6	6.63	7,808	741	2	6.57	1,106	40.3	6.57
	19:17	489	7.6	12,250	693	187.9	6.63	0	0	3.5	6.58	0	24	6.58
	19:32	483	7.9	8,714	672	178	6.61	5,880	580	3.2	6.56	1,876	23.8	6.56
	19:47	484	7.8	13,007	805	159.5	6.6	4,207	700	2.8	6.55	6,946	29.4	6.73
	20:02	475	8.2	10,549	653	149.2	6.69	11,478	778	2.6	6.76	249	11.3	6.77
	20:17	0	8.4	10,600	995	163.9	6.75	9,773	715	1.6	6.74	907	45.5	6.73
	20:32	476	7.2	14,848	823	160.9	6.75	1,005	682	9.8	6.74	10,162	17.9	6.74
	20:47	476	7.6	10,587	649	165.8	6.74	10,901	777	2.5	6.73	995	19.4	6.74
	21:02	478	7.5	12,925	800	171.9	6.74	5,217	697	2.6	6.73	5,792	22.8	6.73
	21:17	480	8	10,504	649	184.4	6.74	11,272	776	2.5	6.74	487	13.8	6.74
	21:32	476	8.3	10,367	995	176.5	6.74	10,156	719	1.3	6.73	679	45	6.73

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:47	484	8.4	12,980	661	175.8	6.73	6,132	811	3.8	6.74	6,022	21.5	6.73
	22:02	481	8	9,762	643	170.3	6.73	11,129	743	1.5	6.73	0	0	0
	22:17	484	7.9	12,850	807	160.1	6.73	5,778	705	2.7	6.73	5,214	22.5	6.73
	22:32	484	8.4	10,494	671	167	6.73	10,794	772	2.3	6.73	995	16.1	6.73
	22:47	0	8.1	9,735	951	170.1	6.73	11,140	742	1.3	6.72	0	0	0
	23:02	482	7.6	13,430	651	163.5	6.72	5,379	747	4	6.71	6,232	22.2	6.71
	23:17	479	8.2	9,803	659	169.6	6.72	11,130	741	1.7	6.71	0	0	0
	23:32	483	8.5	10,493	995	172	6.72	9,863	724	1.3	6.7	938	37.1	6.69
	23:47	477	8.6	12,754	642	174.7	6.71	6,795	796	4	6.71	5,344	19.5	6.7
AVERAGES/TOTALS		476	7.74	933,119	738	142.4	6.78	625,981	699	2.6	6.66	274,971	26.1	6.65
MAXIMUM		493	8.80	14,848	995	343.3	7.03	12,138	876	9.8	6.76	10,162	48.7	6.77
MINIMUM		454	5.60	3,862	226	55.9	6.03	1,005	213	0.5	6.55	200	1.0	6.53
9/17/2020														
	0:02	0	8.6	9,806	665	176.8	6.78	11,194	747	1.5	6.7	0	0	0
	0:17	483	7.5	11,886	995	158.2	6.86	7,310	714	1.7	6.69	3,567	28	6.69
	0:32	476	8	11,352	625	156.8	6.86	9,313	780	3.2	6.69	2,724	14.1	6.69
	0:47	475	8.5	9,745	653	159.6	6.86	11,200	746	1.5	6.69	0	0	0
	1:02	485	7.4	13,116	715	159.8	6.87	5,044	705	3.2	6.69	6,317	21.4	6.69
	1:17	482	7.9	10,066	646	155.3	6.87	11,532	772	2.6	6.7	0	7.9	6.71
	1:32	476	8.4	9,728	995	165.9	6.87	11,111	746	1.5	6.69	0	0	0
	1:47	483	8.3	13,443	646	169.8	6.87	5,422	753	4.5	6.69	6,345	20.8	6.69
	2:02	0	8.2	9,738	647	174.7	6.86	11,253	747	2.1	6.69	0	0	0
	2:17	485	7.9	10,808	995	165.1	6.85	9,142	721	1.7	6.68	1,723	35.8	6.67
	2:32	476	8.1	12,339	649	171.5	6.85	6,884	788	4.2	6.67	5,198	17.1	6.67
	2:47	482	8.6	9,713	625	175.5	6.85	11,229	746	2.1	6.67	0	0	0
	3:02	483	6.8	12,574	918	141.5	6.85	6,425	736	2.8	6.67	4,982	28.3	6.67
	3:17	483	7.3	10,869	654	159.5	6.84	10,030	771	1.8	6.67	1,876	14.7	6.67
	3:32	483	7.8	9,675	650	175.6	6.83	11,133	742	0.5	6.66	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:47	482	7.8	13,220	660	187.3	6.84	5,838	730	3	6.67	5,690	21.6	6.67
	4:02	480	8.3	9,759	649	188.1	6.83	11,279	753	0.8	6.67	0	0	0
	4:17	0	8	9,722	995	183.4	6.84	11,029	743	0.5	6.66	0	0	0
	4:32	490	7.8	13,219	638	166.1	6.83	5,933	757	3.3	6.67	5,876	24	6.66
	4:47	480	8.3	9,693	644	172.3	6.83	11,131	744	0.6	6.67	0	0	0
	5:02	482	8.5	11,112	995	175.9	6.83	8,433	722	0.5	6.67	2,482	32.8	6.67
	5:17	0	8.5	11,860	654	181.8	6.83	8,475	770	2.6	6.67	3,391	15.7	6.67
	5:32	485	7.8	9,651	633	171.9	6.83	11,138	741	0.5	6.66	0	0	0
	5:47	480	7.8	12,520	903	167.4	6.83	6,557	708	1.7	6.66	4,347	25.6	6.66
	6:02	476	8.3	10,436	634	175.5	6.83	10,299	765	1.5	6.66	1,493	13.9	6.66
	6:17	0	8.1	9,646	623	182	6.82	11,095	740	0.5	6.66	0	0	0
	6:32	473	7.4	13,198	632	161.8	6.82	5,840	739	3.2	6.66	5,665	22.3	6.66
	6:47	477	7.9	9,573	651	170.5	6.82	11,159	746	0.8	6.66	0	0	0
	7:02	479	8.3	9,984	995	178.1	6.83	10,632	724	0.6	6.67	192	34.3	6.67
	7:17	480	8.4	12,813	624	182.5	6.83	6,178	771	3.5	6.67	5,694	21	6.67
	7:32	0	8.8	9,619	663	187.6	6.83	11,042	738	0.6	6.67	0	0	0
	7:47	476	8.5	11,404	995	175.9	6.83	7,997	715	0.9	6.66	2,871	30.4	6.66
	8:02	479	8.9	11,393	632	175.8	6.83	8,937	763	2.3	6.67	2,850	14.7	6.67
	8:17	0	7.8	9,557	630	173.3	6.83	11,016	738	0.5	6.66	0	0	0
	8:32	478	6.5	12,715	695	149.3	6.83	6,649	704	2.6	6.66	4,319	22.7	6.66
	8:47	482	7.1	9,975	630	138	6.82	10,740	755	1.2	6.66	746	14.4	6.66
	9:02	482	7.7	9,493	899	168.6	6.83	11,029	735	0.5	6.67	0	0	0
	9:17	449	7.6	13,155	635	178	6.85	6,125	729	3.7	6.68	5,310	16.9	6.68
	9:32	454	8.1	9,443	629	190.5	6.85	11,093	738	0.7	6.69	0	0	0
	9:47	454	8.2	10,199	995	166.5	6.86	9,808	717	0.6	6.69	971	40.3	6.68
	10:02	444	8.3	12,339	635	157.5	6.87	7,287	753	3.2	6.69	4,381	17.8	6.69
	10:17	441	8.8	9,426	605	158.7	6.87	11,013	734	0.6	6.69	0	0	0
	10:32	446	8.3	11,657	995	150.6	6.87	7,560	703	1.2	6.68	3,213	24.8	6.68
	10:47	447	8.7	10,911	649	150.6	6.87	9,637	755	2.2	6.69	2,075	14	6.69

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:02	0	8.3	9,499	625	148.9	6.86	11,281	748	0.5	6.67	0	0	0
	11:17	442	6.4	12,908	647	133.4	6.85	5,940	701	3.1	6.67	5,422	21.1	6.66
	11:32	455	6.6	8,421	856	126.4	6.84	9,425	874	2.5	6.67	472	5.4	6.66
	11:47	448	6.7	12,646	850	148.3	6.84	14,881	990	1.2	6.66	0	0	0
	12:02	449	6.7	10,401	928	154.8	6.86	12,016	983	4.8	6.67	170	7.1	6.67
	12:17	455	6.5	14,194	725	154.9	6.88	2,383	936	6.7	6.7	10,757	22	6.69
	12:32	454	6.6	10,178	823	147.3	6.91	11,688	947	2.6	6.73	266	4.4	6.72
	12:47	0	7.2	12,545	0	137.8	6.92	14,705	984	4.8	6.74	0	0	0
	13:02	451	6.4	12,175	844	127.6	6.94	1,307	880	7.5	6.74	9,679	21.5	6.75
	13:17	452	6.7	10,893	681	120	6.96	11,822	830	2.6	6.79	746	16.2	6.78
	13:32	456	7.1	10,136	972	111.6	6.98	11,833	790	2.2	6.8	0	0	0
	13:47	451	6.9	13,635	697	101.3	7	5,008	821	4.1	6.83	7,461	26.8	6.82
	14:02	450	7.2	10,267	671	94.3	7.01	12,068	802	1.5	6.85	0	0	0
	14:17	450	7.3	10,900	995	90.8	7.01	10,592	775	1.9	6.84	1,000	49.2	6.83
	14:32	452	7.3	12,986	684	91.4	7.01	6,867	857	3.7	6.85	5,910	22.5	6.84
	14:47	452	7.7	10,171	665	90.6	7.01	11,968	797	1.3	6.85	0	0	0
	15:02	452	7.6	12,116	995	90.7	7.02	7,406	762	2	6.85	4,113	33.3	6.85
	15:17	453	7.8	11,730	678	94.2	7.03	9,656	838	3.1	6.87	3,166	17.7	6.86
	15:32	459	8.1	10,104	688	95.5	7.03	11,917	793	1.7	6.86	0	0	0
	15:47	451	7.9	13,297	782	98	7.03	4,092	742	3	6.85	7,940	27.2	6.86
	16:02	454	8.2	10,628	666	102.2	7.03	12,361	825	2.8	6.86	0	8.3	6.86
	16:17	451	8.5	10,107	995	104.9	7.02	11,742	788	1.8	6.85	0	0	0
	16:32	452	8.3	13,717	689	108	7.02	4,561	823	4.7	6.86	7,956	27.4	6.85
	16:47	448	8.6	10,062	680	108.4	7.02	11,757	787	1.9	6.86	0	0	0
	17:02	448	8.7	11,082	995	111	7.02	9,400	772	2	6.85	2,304	42.6	6.85
	17:17	453	8.8	12,675	660	113.9	7.01	7,028	851	3.9	6.86	5,965	19.9	6.85
	17:32	446	8.6	9,963	664	115	7.01	11,664	780	1.7	6.85	0	0	0
	17:47	458	8.4	12,365	935	114.8	7.01	6,277	763	2.3	6.84	5,433	30.7	6.84
	18:02	449	8.7	11,367	681	122.7	7.01	9,779	814	3	6.85	2,834	17.6	6.85

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:17	455	8.5	9,974	653	125.9	7.01	11,431	767	1.6	6.85	0	0	0
	18:32	458	8.3	13,433	741	127	7.01	4,299	750	3.1	6.83	7,785	29.2	6.84
	18:47	463	8.7	10,261	654	128.3	7.01	11,817	793	2.4	6.85	0	0	0
	19:02	453	8.5	9,958	995	133.5	7.01	11,419	767	1.6	6.83	0	0	0
	19:17	451	8.3	13,656	652	137.1	7.01	4,422	808	4.5	6.85	7,961	29.4	6.84
	19:32	451	8.2	9,894	675	141.8	7	11,339	757	1.7	6.84	0	0	0
	19:47	449	8.3	11,300	995	141.7	6.99	8,562	732	1.8	6.82	2,585	46.4	6.81
	20:02	449	8.4	12,328	647	147.2	6.99	7,084	815	3.7	6.83	5,464	20.9	6.83
	20:17	459	8.8	9,809	642	150	6.99	11,413	757	1.5	6.83	0	0	0
	20:32	461	8.3	12,599	931	149	6.99	5,328	742	2	6.81	6,114	29.9	6.81
	20:47	462	8.6	10,888	652	157.5	6.98	10,123	796	2.9	6.82	2,239	22.3	6.83
	21:02	0	8.8	9,775	656	160.7	6.98	11,231	752	1.5	6.81	0	0	0
	21:17	446	8.3	13,506	680	153.9	6.98	4,419	764	3.9	6.8	7,773	29.2	6.8
	21:32	455	8.7	9,895	643	158.5	6.98	11,387	760	2.5	6.81	0	0	0
	21:47	457	8.4	10,161	995	161.7	6.98	10,631	726	2.3	6.8	181	38.9	6.79
	22:02	447	8.4	13,268	664	160.8	6.97	4,812	837	5.9	6.81	7,776	30.1	6.8
	22:17	453	8.8	9,718	647	155.8	6.96	11,157	745	2.7	6.8	0	0	0
	22:32	0	7.6	11,499	995	155.3	6.89	7,309	733	2.3	6.79	3,829	37	6.79
	22:47	454	6.9	11,806	610	143.8	6.86	7,733	793	3.7	6.81	4,629	21.8	6.8
	23:02	449	7.4	9,629	641	138.5	6.86	11,054	738	1.4	6.79	0	0	0
	23:17	449	7.3	12,828	846	154	6.87	4,673	693	1.6	6.79	6,737	30.7	6.8
	23:32	442	7.6	10,418	613	161.1	6.88	10,677	776	3.1	6.82	1,244	21.1	6.82
	23:47	459	8.1	9,563	636	162.1	6.88	11,007	736	2	6.81	0	0	0
AVERAGES/TOTALS		462	7.95	1,069,884	747	147.9	6.91	877,922	773	2.3	6.75	240,209	23.8	6.74
MAXIMUM		490	8.90	14,194	995	190.5	7.03	14,881	990	7.5	6.87	10,757	49.2	6.86
MINIMUM		441	6.40	8,421	605	90.6	6.78	1,307	693	0.5	6.66	170	4.4	6.66
9/18/2020														
	0:02	448	7.8	12,954	799	160.6	6.88	3,864	723	3.4	6.81	7,940	33.7	6.81

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:17	451	8.1	10,192	630	161.6	6.88	11,027	770	3.8	6.82	746	14.4	6.83
	0:32	455	7.9	9,527	632	152.8	6.88	10,995	734	2.3	6.81	0	0	0
	0:47	455	7.7	13,116	742	149.2	6.88	3,409	713	3.6	6.8	8,794	31.5	6.81
	1:02	447	8.1	9,987	634	153.2	6.88	11,478	766	3.4	6.82	0	8.4	6.82
	1:17	452	8.6	9,439	643	153.6	6.88	10,933	731	2.5	6.81	0	0	0
	1:32	444	7.7	13,370	923	143.8	6.88	3,047	722	4.6	6.8	9,173	33.8	6.81
	1:47	458	7.3	14,205	943	138.8	6.88	2,132	957	9.3	6.83	11,058	30	6.83
	2:02	0	6.8	8,254	825	128.3	6.88	2,205	959	5	6.83	6,733	24.3	6.83
	2:17	463	7	10,231	614	122	6.89	10,603	759	3.9	6.83	995	11.2	6.84
	2:32	469	7.2	10,475	995	133.2	6.89	9,025	697	5.3	6.82	1,553	49.6	6.81
	2:47	455	6.9	12,517	626	152.3	6.89	5,992	791	4.8	6.85	6,378	34.1	6.83
	3:02	0	7	9,380	609	158.2	6.88	10,675	713	4.7	6.83	0	0	0
	3:17	0	5.9	11,340	117	149.7	6.88	6,612	713	8.6	6.81	4,942	44.8	6.81
	3:32	0	5.9	1,535	0	136.2	6.88	0	0	0	0	957	36.3	6.81
	4:02	460	6.3	9,058	611	144.6	6.85	7,491	789	3.7	6.79	2,740	35.4	6.81
	4:17	459	6.8	9,275	618	152.6	6.85	10,719	714	3.4	6.78	0	0	0
	4:32	0	6.3	10,507	995	172.6	6.86	8,202	713	7.8	6.78	2,843	42.2	6.77
	4:47	458	6	8,744	792	169.6	6.86	1,138	873	6	6.79	6,899	34	6.79
	5:02	459	6.5	10,051	621	160.4	6.85	10,757	755	2.5	6.78	746	13.1	6.79
	5:17	455	7	9,195	931	188.5	6.85	10,706	714	2.3	6.77	0	0	0
	5:32	460	6.8	13,568	631	197.5	6.86	3,612	807	5.8	6.78	8,880	35.3	6.78
	5:47	453	7.2	9,305	601	200.3	6.86	10,804	719	2.1	6.79	0	0	0
	6:02	0	6.8	9,192	995	191.7	6.86	10,667	712	3.2	6.78	0	0	0
	6:17	0	5.9	10,652	871	169.1	6.86	813	641	5.4	6.78	8,232	34.6	6.78
	6:32	460	6	7,400	619	158.7	6.85	5,691	854	4.9	6.79	2,571	11.3	6.79
	6:47	456	6.6	9,228	603	175.3	6.85	10,678	714	1.6	6.77	0	0	0
	7:02	0	5.7	11,216	995	185.1	6.85	7,087	678	3	6.76	3,486	45.1	6.76
	7:17	456	6.1	8,256	619	166.1	6.85	3,339	844	4.4	6.78	5,015	27.8	6.78
	7:32	461	6.6	9,135	616	180	6.85	10,614	705	1.2	6.78	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:47	0	6.6	9,454	995	194.4	6.85	9,878	697	1.9	6.77	579	23.1	6.76
	8:02	452	6.5	13,167	602	187.5	6.86	4,422	804	4.9	6.79	8,063	37.2	6.78
	8:17	0	5.5	9,045	596	177.8	6.86	10,465	698	1.4	6.78	0	0	0
	8:32	459	6.2	8,588	102	154.4	6.85	2,196	724	2.8	6.77	5,854	31.1	6.76
	8:47	0	6	7,754	0	134	6.85	3,845	816	2.7	6.77	4,363	37.4	6.77
	9:02	0	5.9	796	0	171.1	6.85	871	706	1.4	6.78	66	3.3	6.77
	9:17	0	5.6	974	716	213	6.83	1,081	849	4.1	6.76	54	1.5	6.76
	9:32	447	6.4	6,423	0	153.3	6.83	6,762	795	3.6	6.75	579	5.9	6.75
	9:47	0	5.6	5,254	941	163.1	6.83	5,696	781	3.5	6.74	372	4.1	6.74
	10:02	452	5.6	9,644	995	156.6	6.83	2,760	787	6.4	6.74	5,857	30.5	6.74
	10:17	447	5.9	11,375	601	171.3	6.83	7,547	762	3.3	6.76	4,505	25.9	6.76
	10:32	447	6.5	9,008	596	171.5	6.83	10,471	700	0.9	6.76	0	0	0
	10:47	0	5.6	11,498	995	179.6	6.83	6,295	667	1.2	6.75	4,252	40	6.75
	11:02	451	6.4	6,616	0	164.9	6.85	0	0	5	6.78	1,884	21.2	6.77
	11:17	456	6.9	6,394	0	148.9	6.85	0	0	2.3	6.76	0	11	6.77
	11:32	456	6.1	8,183	581	158.7	6.85	7,963	692	1.7	6.76	1,188	2.5	6.76
	11:47	446	6	12,858	854	163.8	6.85	2,723	642	1	6.76	8,403	26.8	6.76
	12:02	454	6.3	10,632	684	182.1	6.85	11,475	780	2.2	6.78	243	11.1	6.78
	12:17	456	6.3	11,460	995	169.3	6.86	8,119	751	2.2	6.78	3,114	34.3	6.78
	12:32	451	6.4	12,484	690	173.4	6.87	6,451	813	3.3	6.81	5,710	28.1	6.79
	12:47	459	6.8	10,212	675	153.2	6.88	11,607	773	2.3	6.79	0	0	0
	13:02	450	6.8	11,591	995	131.7	6.88	8,568	749	4.8	6.79	2,733	48.3	6.79
	13:17	455	6.9	12,524	701	126.8	6.89	7,305	836	3.8	6.83	5,416	26	6.81
	13:32	448	7.4	10,183	670	119.1	6.89	11,617	774	2.5	6.83	0	0	0
	13:47	455	7.3	11,746	995	114.3	6.89	8,082	745	4.3	6.81	3,265	43.9	6.81
	14:02	453	7.4	12,289	672	113.9	6.89	7,881	828	3.3	6.83	4,819	24.2	6.83
	14:17	450	7.8	10,162	671	110.4	6.89	11,627	773	1.6	6.83	0	0	0
	14:32	445	7.7	11,991	995	112.8	6.91	7,569	740	2.6	6.82	3,661	40	6.82
	14:47	453	7.9	12,008	693	116.7	6.91	8,443	827	3	6.85	4,225	20.8	6.83

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:02	449	8.2	10,150	689	116.8	6.91	11,653	776	1.4	6.83	0	0	0
	15:17	441	8	12,216	995	116.5	6.91	7,007	744	1.8	6.83	4,266	37.1	6.83
	15:32	454	8.3	11,728	687	127.7	6.9	9,245	823	1.7	6.83	3,394	19.9	6.83
	15:47	451	8.6	10,135	677	134.8	6.89	11,643	776	0.9	6.83	0	0	0
	16:02	446	8.5	12,345	912	131.9	6.89	6,571	743	1.8	6.81	4,899	34.3	6.81
	16:17	445	8.7	11,481	672	140.8	6.88	9,675	823	1.9	6.82	3,016	19.3	6.82
	16:32	0	8.2	10,114	679	142.5	6.88	11,641	774	1.2	6.81	0	0	0
	16:47	0	6.3	12,575	943	120.3	6.87	6,085	740	2.6	6.79	5,262	33	6.79
	17:02	454	6	7,902	811	113.3	6.86	6,261	834	2.5	6.81	2,543	15.2	6.81
	17:17	450	6.4	10,608	663	121.7	6.86	11,694	808	1.5	6.79	498	10.1	6.79
	17:32	453	6.5	11,251	995	145.4	6.88	9,022	748	1.7	6.79	2,244	49	6.8
	17:47	456	6.6	12,509	666	157	6.89	7,128	833	2.7	6.83	5,529	24.9	6.82
	18:02	446	7	9,957	658	159.9	6.89	11,466	767	1.3	6.83	0	0	0
	18:17	458	7	11,464	995	166	6.89	8,506	742	3.3	6.82	2,721	47.4	6.81
	18:32	453	7.1	12,317	668	168.8	6.89	7,364	823	3.1	6.85	5,200	28.4	6.83
	18:47	446	7.4	9,971	677	161.5	6.89	11,447	763	2	6.83	0	0	0
	19:02	0	6.2	11,673	995	158.3	6.89	7,696	747	4.9	6.82	3,621	40.8	6.81
	19:17	431	6.1	12,072	670	141.1	6.89	7,756	819	3.1	6.83	4,852	30	6.83
	19:32	433	6.5	9,930	665	155.5	6.88	11,398	760	1.4	6.82	0	0	0
	19:47	439	6.4	11,859	995	172.2	6.89	7,367	734	4	6.81	3,879	45.3	6.81
	20:02	431	6.6	11,866	667	182.3	6.89	8,289	809	3.4	6.83	4,224	31.7	6.83
	20:17	441	6.9	9,916	662	185.9	6.89	11,353	757	2.7	6.82	0	0	0
	20:32	0	5.5	12,043	952	182.7	6.88	6,735	727	6.5	6.81	4,389	44.9	6.8
	20:47	443	6.1	7,535	675	167.6	6.88	3,331	894	5.4	6.82	4,495	29.4	6.82
	21:02	434	6.5	9,890	656	180.1	6.86	11,378	758	2	6.81	0	0	0
	21:17	442	6.7	10,163	995	189.8	6.87	10,500	750	5.4	6.79	761	27	6.79
	21:32	447	6.6	13,485	656	188.3	6.88	4,537	861	6	6.82	8,195	40.1	6.8
	21:47	433	7	9,772	633	192.4	6.87	11,280	750	2.9	6.81	0	0	0
	22:02	0	6	10,316	995	190.6	6.86	10,329	728	6	6.79	580	46.8	6.78

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:17	0	6	8,630	0	164.5	6.86	740	985	7	6.8	6,906	36.8	6.79
	22:32	437	6.1	6,295	647	162.3	6.85	5,506	844	4.2	6.79	1,585	10.9	6.79
	22:47	433	6.6	9,787	657	186	6.85	11,232	748	2.2	6.78	0	0	0
	23:02	439	6.6	11,430	995	195.6	6.86	7,801	719	4.8	6.77	3,102	47	6.77
	23:17	431	6.7	12,174	677	202.5	6.86	7,259	809	4.6	6.8	5,299	36.6	6.79
	23:32	419	7.1	9,684	642	204.1	6.85	11,101	741	2.8	6.79	0	0	0
	23:47	0	6.1	11,586	995	196.8	6.85	7,045	738	6.3	6.77	4,260	41.7	6.76
AVERAGES/TOTALS		449	6.76	962,446	751	159.1	6.87	715,075	768	3.4	6.80	275,606	29.1	6.79
MAXIMUM		469	8.70	14,205	995	213.0	6.91	11,694	985	9.3	6.85	11,058	49.6	6.84
MINIMUM		419	5.50	796	102	110.4	6.83	740	641	0.9	6.74	54	1.5	6.74
9/19/2020														
	0:02	424	5.9	8,310	781	177.6	6.85	2,692	902	6.5	6.79	5,709	32.4	6.78
	0:17	410	6.4	10,292	642	174.6	6.84	10,968	770	2.5	6.77	746	12.8	6.78
	0:32	427	6.7	9,913	995	201.2	6.84	10,672	725	4.2	6.75	183	10.4	6.75
	0:47	422	6.2	12,651	248	199.6	6.85	0	0	7.8	6.79	1,388	40.4	6.77
	1:02	428	5.9	7,277	925	183.2	6.85	5,133	822	5.7	6.78	2,983	18.8	6.79
	1:17	432	6	5,792	933	169.7	6.85	339	642	5.5	6.77	5,910	14.6	6.77
	1:32	435	5.8	12,305	995	169	6.83	0	0	0	0	11,978	26.6	6.75
	1:47	429	5.9	12,426	655	195	6.84	7,253	826	4.2	6.78	5,240	36.2	6.76
	2:02	418	6.3	9,724	650	202.9	6.85	11,062	739	1.6	6.76	0	0	0
	2:17	434	6.2	11,507	995	204.2	6.86	7,602	712	3.9	6.76	3,261	45.9	6.77
	2:32	424	6.3	12,136	652	207.7	6.88	7,503	814	4.3	6.83	5,085	38	6.81
	2:47	432	6.7	9,685	652	198.2	6.88	11,108	743	2.8	6.82	0	0	0
	3:02	432	6.6	11,637	995	196.1	6.88	6,907	732	6.6	6.8	4,345	42.8	6.79
	3:17	423	6.7	11,858	651	198.3	6.88	7,847	808	4.5	6.83	4,750	37.2	6.82
	3:32	425	7.1	9,616	649	192.3	6.88	11,082	738	3.3	6.81	0	0	0
	3:47	440	7	11,860	968	190.7	6.86	6,390	730	6.4	6.79	4,911	42.6	6.78
	4:02	427	7.1	11,608	636	190.6	6.86	8,324	798	3.9	6.79	4,153	36.9	6.79

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:17	429	7.5	9,632	626	183.2	6.86	11,049	736	1.8	6.79	0	0	0
	4:32	433	7.4	12,082	914	183.6	6.86	5,890	719	3.6	6.78	5,268	39.7	6.77
	4:47	439	7.6	11,281	652	194.2	6.85	9,099	792	3.1	6.79	3,297	34.4	6.79
	5:02	421	7.9	9,552	633	183.9	6.84	11,032	738	1.3	6.76	0	0	0
	5:17	0	6.4	12,305	924	170.8	6.83	5,677	702	2.5	6.74	5,419	38.5	6.74
	5:32	427	5.9	8,178	932	151.6	6.82	6,500	812	3.3	6.74	2,676	25.6	6.74
	5:47	426	6.3	10,303	634	148	6.81	9,957	773	2.5	6.73	1,843	17.6	6.74
	6:02	426	6.4	10,910	995	183.3	6.8	8,386	708	1.2	6.72	2,488	48.2	6.72
	6:17	428	6.5	12,206	614	198.7	6.82	6,770	801	3.1	6.76	5,617	28.7	6.74
	6:32	430	6.9	9,474	639	190.6	6.83	10,981	733	1.1	6.76	0	0	0
	6:47	433	6.9	11,199	995	184.9	6.84	7,939	705	2.4	6.75	2,932	46.7	6.75
	7:02	425	7	10,224	0	192.8	6.85	7,384	791	3.2	6.78	5,050	32.6	6.77
	7:17	434	7.5	24	0	191.1	6.83	10,906	727	1.1	6.76	0	0	0
	7:32	0	6.6	8,959	995	184.6	6.83	7,253	694	2.6	6.74	3,501	43.2	6.73
	7:47	424	6.4	9,421	0	165.7	6.83	5,570	796	3.5	6.76	4,733	30.7	6.75
	8:02	436	7	2,590	589	153.6	6.81	2,329	833	6.6	6.73	1,059	12.1	6.74
	8:17	439	7.5	8,680	572	173.1	6.81	11,061	738	1.8	6.72	0	0	0
	8:32	444	7.3	11,767	877	188.1	6.81	5,670	686	2.3	6.72	5,297	40.1	6.73
	8:47	434	7.6	10,080	558	197.5	6.81	9,291	772	2.8	6.74	2,916	31.5	6.74
	9:02	436	8	8,612	579	193.6	6.81	10,885	725	1.3	6.73	0	0	0
	9:17	0	6.8	12,111	863	182.4	6.8	5,131	686	2.5	6.71	6,075	38.2	6.71
	9:32	430	6	9,816	0	159.7	6.8	9,809	767	2.5	6.72	2,239	28.5	6.72
	9:47	441	6.8	1,153	799	152.9	6.79	1,437	716	2.3	6.71	12	1.8	6.71
	10:02	436	7.3	9,516	579	176.4	6.78	10,280	767	2.5	6.71	1,491	13.5	6.71
	10:17	435	7.1	13,006	647	192.8	6.78	3,674	693	3.2	6.7	8,112	35.6	6.7
	10:32	436	7.1	9,691	832	186.8	6.79	10,398	941	5.1	6.72	1,369	11.1	6.72
	10:47	434	7.1	12,266	829	186.4	6.8	14,058	987	4.2	6.72	746	9.2	6.72
	11:02	427	7.1	12,165	810	161.9	6.81	14,821	987	0.4	6.72	0	0	0
	11:17	437	6.8	7,763	995	128.4	6.83	6,740	844	0.5	6.73	1,410	33.2	6.73

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:32	442	7.1	10,888	806	127.3	6.84	3,664	913	6.6	6.78	7,102	37.7	6.76
	11:47	433	7.1	11,131	795	123	6.85	13,666	973	0.4	6.8	93	1.7	6.79
	12:02	441	6.8	10,446	995	119.1	6.86	6,696	958	0.6	6.81	4,701	28.4	6.8
	12:17	430	6.8	12,690	648	133.1	6.86	6,393	879	5.6	6.81	6,601	36	6.81
	12:32	430	7.1	9,688	640	124.7	6.86	12,046	799	3.8	6.81	0	0	0
	12:47	435	7.1	10,912	995	110.9	6.87	9,541	778	6.8	6.81	2,084	49.2	6.8
	13:02	435	7.1	12,377	641	108.5	6.88	6,869	865	3.5	6.83	5,969	29.5	6.82
	13:17	435	7.4	9,768	660	104.1	6.88	11,983	800	1.8	6.83	0	0	0
	13:32	430	7.3	11,140	995	103.1	6.89	8,916	771	3.4	6.83	2,679	47.7	6.82
	13:47	428	7.3	12,175	652	107.1	6.89	7,557	863	3	6.85	5,389	23.9	6.83
	14:02	441	7.6	9,734	638	109.6	6.89	12,014	802	1.4	6.84	0	0	0
	14:17	432	7.5	11,405	995	110.5	6.89	8,373	768	2.6	6.83	3,135	43.2	6.82
	14:32	429	7.6	11,817	629	113.2	6.89	8,007	840	2.9	6.85	4,816	21.9	6.83
	14:47	429	7.9	9,476	620	111.8	6.89	11,687	780	1.4	6.84	0	0	0
	15:02	439	7.8	11,472	995	108.8	6.89	7,637	749	2.7	6.83	3,631	40.7	6.83
	15:17	431	8	11,514	631	117.8	6.89	8,307	836	2.9	6.86	4,444	23.3	6.85
	15:32	429	8.2	9,396	641	116.7	6.9	11,663	779	1.3	6.85	0	0	0
	15:47	435	8.1	11,656	995	120.5	6.9	7,021	758	2.2	6.84	4,604	36.9	6.83
	16:02	428	8.2	11,265	635	132.4	6.91	8,808	826	2.8	6.86	3,883	20.8	6.85
	16:17	436	8.6	9,373	619	132.9	6.9	11,613	773	1.1	6.84	0	0	0
	16:32	429	8.4	11,919	891	134.6	6.89	6,610	736	1.4	6.82	4,657	36.6	6.82
	16:47	418	8.6	11,018	626	137.1	6.89	9,397	818	2.5	6.84	3,250	22.5	6.83
	17:02	423	8.9	9,377	619	141.9	6.89	11,548	772	1	6.82	0	0	0
	17:17	435	7.4	12,145	900	136.6	6.89	6,194	729	1.3	6.81	5,098	33.2	6.81
	17:32	432	7.7	10,683	600	145.6	6.88	9,942	812	2.6	6.82	2,613	19.8	6.82
	17:47	436	8.1	9,315	635	148.5	6.88	11,548	768	0.9	6.81	0	0	0
	18:02	439	7.9	12,401	905	146.5	6.89	5,621	721	1.1	6.8	5,682	32.1	6.8
	18:17	434	8.1	10,502	613	157.4	6.89	10,244	807	2.3	6.83	2,239	22.6	6.83
	18:32	438	8.4	9,442	624	161.8	6.89	11,412	764	0.9	6.81	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:47	438	8.2	12,605	833	160.7	6.88	5,026	717	1.3	6.8	6,461	32	6.8
	19:02	437	8.5	10,359	625	168	6.88	10,895	804	2.3	6.81	1,493	22.1	6.81
	19:17	433	8.8	9,399	605	163.1	6.87	11,430	765	0.9	6.79	0	0	0
	19:32	0	7.3	12,783	804	163.4	6.86	4,601	713	1.3	6.78	6,915	31.7	6.78
	19:47	436	5.9	10,135	616	155.2	6.85	11,093	794	2.2	6.78	995	18.2	6.79
	20:02	428	6.4	9,377	626	135.5	6.84	11,347	756	1.1	6.76	0	0	0
	20:17	430	6.3	12,945	750	169.8	6.88	4,006	698	1.9	6.78	7,685	29.9	6.83
	20:32	436	6.7	9,961	624	178.8	6.91	11,609	788	2.7	6.86	249	10.7	6.85
	20:47	430	7.1	9,371	626	181.7	6.91	11,295	754	2.6	6.84	0	0	0
	21:02	441	6.8	13,161	722	181.4	6.91	3,071	736	3.7	6.83	8,974	34.3	6.84
	21:17	435	7.1	9,809	631	183.6	6.9	11,808	788	3.6	6.84	0	8.5	6.85
	21:32	443	7.4	9,421	624	188	6.89	11,317	754	2.1	6.82	0	0	0
	21:47	432	7.1	13,254	696	189.1	6.88	3,734	761	4.2	6.8	8,439	32.3	6.8
	22:02	432	7.4	9,725	640	192.7	6.86	11,513	774	2.8	6.8	0	0	0
	22:17	440	7.8	9,376	634	191.4	6.86	11,193	748	1.5	6.78	0	0	0
	22:32	429	7.5	13,363	665	177.9	6.86	4,135	748	3.6	6.78	7,960	32.5	6.78
	22:47	428	7.9	9,587	604	179.4	6.86	11,466	763	2	6.79	0	0	0
	23:02	439	8.2	9,381	632	177.3	6.85	11,226	751	1.2	6.79	0	0	0
	23:17	441	7.9	13,464	655	169.4	6.85	3,903	812	4.1	6.79	8,441	29.9	6.79
	23:32	436	8.2	9,510	625	179	6.84	11,319	755	2	6.78	0	0	0
	23:47	435	8.6	9,355	952	177	6.83	11,226	748	1.1	6.76	0	0	0
AVERAGES/TOTALS		432	7.22	995,029	738	163.5	6.86	807,049	779	2.8	6.79	274,474	29.3	6.78
MAXIMUM		444	8.90	13,464	995	207.7	6.91	14,821	987	7.8	6.86	11,978	49.2	6.85
MINIMUM		410	5.80	24	248	103.1	6.78	339	642	0.4	6.70	12	1.7	6.70
9/20/2020														
	0:02	437	8.3	13,397	627	175.4	6.82	4,504	770	3.4	6.76	7,794	30.3	6.76
	0:17	432	8.6	9,418	614	180.8	6.81	11,347	754	1.6	6.75	0	0	0
	0:32	0	8.7	9,354	995	175.1	6.81	11,243	748	1.3	6.74	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:47	440	6.7	13,513	629	163.2	6.8	4,050	803	4.5	6.73	8,297	30.2	6.73
	1:02	0	6.2	9,369	611	153.9	6.79	11,260	751	1.4	6.73	0	0	0
	1:17	0	5.9	6,572	0	141	6.78	7,850	746	0.9	6.72	79	2.7	6.72
	1:47	27	5.9	617	915	213.1	6.78	154	577	4.3	6.72	569	21.1	6.72
	2:02	0	6	9,102	0	122.6	6.79	1,281	841	7.8	6.73	7,761	33.2	6.73
	2:17	431	5.5	5,075	631	152	6.8	5,191	871	6.1	6.74	803	10.3	6.75
	2:32	13	5.7	5,655	747	153.1	6.8	4,231	765	4.5	6.74	2,378	11.4	6.74
	2:47	457	6	7,691	0	154.5	6.8	5,466	848	4.6	6.74	2,927	18.1	6.74
	3:02	457	6.9	1,493	0	145.2	6.81	0	0	0	0	1,175	43.9	6.74
	3:17	0	6	6,490	630	173.9	6.8	4,901	892	4.6	6.75	2,660	23.7	6.76
	3:32	456	5.6	9,419	624	150.3	6.8	11,412	758	3.2	6.74	0	0	0
	3:47	0	6.3	2,858	0	148.3	6.8	3,381	752	3.8	6.74	108	5.8	6.73
	4:02	456	6.2	6,990	0	167.6	6.8	4,046	910	7.5	6.74	3,980	18.7	6.74
	4:17	456	5.7	3,675	995	160.5	6.79	1,018	711	6.2	6.73	1,947	43.1	6.73
	4:32	0	5.7	6,559	812	157.2	6.78	0	0	0	0	5,686	31.5	6.73
	4:47	0	6.6	4,899	0	156	6.78	4,681	891	5.5	6.72	1,009	16.1	6.73
	5:02	0	5.6	8,336	634	163	6.78	9,910	806	2.2	6.72	35	0.7	6.72
	5:17	466	6.5	1,946	0	161.4	6.78	2,273	754	1.1	6.72	87	3.7	6.71
	5:32	0	6.6	167	788	233.8	6.78	148	506	0.6	6.72	64	0.5	6.72
	5:47	451	5.6	11,418	995	161.6	6.78	9,822	782	2.2	6.72	1,926	49.2	6.71
	6:02	0	5.9	3,983	912	141.7	6.77	0	0	0	0	3,123	22	6.71
	6:17	0	6.7	6,709	0	158.9	6.78	5,791	862	2.9	6.72	1,977	11.5	6.72
	6:32	0	6.6	1,876	703	199.7	6.77	2,210	897	6.8	6.72	0	4.2	6.72
	6:47	473	6	9,879	620	164.1	6.76	11,702	783	1.2	6.71	0	0	0
	7:02	0	6.2	8,924	0	145.9	6.76	8,154	724	1	6.71	1,087	43.7	6.7
	7:32	0	6.6	3,137	693	166.7	6.76	2,276	898	2.6	6.71	1,408	29.6	6.71
	7:47	468	5.9	9,840	617	153	6.76	11,726	784	1.4	6.71	0	0	0
	8:02	0	6.7	4,765	0	139.4	6.8	5,618	755	1.7	6.75	0	3.4	6.74
	8:17	0	5.8	7,991	647	145.6	6.82	9,368	814	2.1	6.77	94	1.1	6.76

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:32	479	7.1	1,281	0	146	6.82	1,535	759	2	6.78	13	4.2	6.77
	9:32	335	6.4	6,661	995	152.5	6.82	876	673	4.4	6.78	4,337	29.8	6.77
	9:47	343	6.2	11,473	624	135.4	6.81	9,930	829	2.8	6.75	2,707	14.4	6.76
	10:02	336	6.1	9,503	641	171.8	6.8	11,375	757	1.1	6.74	0	0	0
	10:17	358	5.9	11,980	911	180.7	6.79	6,491	721	1.1	6.73	4,719	31.5	6.72
	10:32	345	5.7	7,083	650	197.6	6.79	4,934	890	3.2	6.74	2,861	13.3	6.73
	10:47	347	5.6	9,595	634	207.2	6.8	11,504	767	1	6.74	0	0	0
	11:02	346	6.4	9,001	0	205.3	6.79	10,464	742	1.1	6.73	0	4.4	6.72
	11:17	0	4.7	11,772	995	189.9	6.78	916	767	6.4	6.72	8,962	33.6	6.72
	11:32	301	6.3	3,163	0	199.8	6.78	0	0	0	0	2,830	23.6	6.72
	12:02	359	6.5	9,883	629	211.6	6.79	10,510	830	3.9	6.73	1,217	9.5	6.73
	12:17	364	6.5	9,485	625	178.6	6.78	11,485	762	3.9	6.72	0	0	0
	12:32	363	5.9	12,631	847	161.1	6.78	4,935	712	6.1	6.72	6,497	34.3	6.72
	12:47	373	6.9	5,856	0	179.2	6.78	5,267	878	3.8	6.72	1,645	18	6.72
	13:02	376	6.7	5,146	644	180.8	6.78	6,131	854	3	6.72	7	0.9	6.72
	13:17	377	6.6	9,469	623	181.2	6.78	11,441	760	1.9	6.72	0	0	0
	13:32	378	6.2	12,849	787	165.4	6.78	4,375	706	3.1	6.71	7,223	31.4	6.71
	13:47	364	5.6	10,236	634	183.6	6.78	11,697	809	2.1	6.72	498	11.6	6.72
	14:02	503	6.7	4,547	0	172.1	6.78	5,467	754	1.2	6.71	9	2.8	6.71
	14:17	495	6.9	6,486	619	160.5	6.79	7,790	825	2.3	6.73	0	0.8	6.73
	14:32	505	6.8	13,320	685	175.6	6.78	4,562	777	2.7	6.73	7,571	28.3	6.73
	14:47	0	5.5	9,562	600	181.2	6.78	11,587	777	1.5	6.73	0	0	0
	15:02	513	6	9,491	619	149.7	6.78	10,544	781	1.8	6.72	920	14.4	6.71
	15:17	505	5.9	13,317	638	176.4	6.79	4,723	786	2.5	6.72	7,577	26.3	6.72
	15:32	510	6.4	9,522	620	199.7	6.8	11,500	768	1.3	6.73	0	0	0
	15:47	504	7	9,337	934	201.9	6.8	11,309	758	1.1	6.73	0	0	0
	16:02	511	6.9	13,436	650	189.1	6.8	4,761	789	2.8	6.73	7,467	28.6	6.73
	16:17	504	7.5	9,472	611	192.2	6.8	11,452	765	1.3	6.73	0	0	0
	16:32	504	8.1	9,363	995	188	6.79	11,369	759	1.1	6.73	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:47	500	8	13,407	630	167.1	6.79	4,669	800	2.9	6.72	7,622	27.1	6.72
	17:02	511	8.6	9,473	613	172	6.78	11,421	761	1.3	6.71	0	0	0
	17:17	507	8.5	9,396	995	166.6	6.78	11,397	760	1	6.71	0	0	0
	17:32	510	8.5	13,392	638	151.6	6.78	5,386	800	3.3	6.71	6,916	26.6	6.71
	17:47	0	8.6	9,430	626	165.9	6.77	11,402	761	1.2	6.7	0	0	0
	18:02	504	8.5	9,532	995	151.3	6.77	11,168	751	0.9	6.69	0	0	0
	18:17	509	8.5	13,237	617	149.9	6.77	5,829	812	3.6	6.69	6,673	25.5	6.69
	18:32	504	8.5	9,401	624	176.2	6.76	11,370	759	1.2	6.68	0	0	0
	18:47	511	8.4	9,714	995	168	6.75	11,072	737	1	6.67	0	0	0
	19:02	502	8.6	12,995	629	150.2	6.75	0	0	3.5	6.69	821	26.4	6.68
	19:17	511	8.7	7,348	625	166.1	6.75	3,530	319	2.2	6.68	172	13.2	6.67
	19:32	512	8.7	9,364	956	166.3	6.75	10,707	716	1.2	6.68	0	0	0
	19:47	506	8.6	13,320	634	148.5	6.74	4,279	748	3	6.67	7,627	27.1	6.67
	20:02	503	8.5	9,407	622	166.7	6.73	10,721	716	1.4	6.67	0	0	0
	20:17	0	8.3	9,312	981	169.5	6.74	10,748	714	1.2	6.66	0	0	0
	20:32	491	8.2	13,371	643	153.8	6.74	4,544	747	3.1	6.67	7,278	27	6.66
	20:47	493	8.8	9,390	611	166.7	6.73	10,690	712	1.4	6.66	0	0	0
	21:02	483	8.3	9,294	995	171.5	6.73	10,659	711	1.3	6.66	0	0	0
	21:17	489	8.3	13,409	640	154.1	6.73	4,280	753	3.6	6.67	7,526	28.2	6.66
	21:32	480	8.9	9,380	637	166.6	6.72	10,690	714	1.5	6.66	0	0	0
	21:47	0	8.1	9,418	995	174	6.72	10,614	708	1.5	6.66	0	0	0
	22:02	476	7.1	13,287	611	151.1	6.72	4,236	765	3.9	6.66	7,722	29.5	6.66
	22:17	495	7.7	9,241	625	152.9	6.72	10,668	712	1.6	6.66	0	0	0
	22:32	0	7.5	9,621	995	175.1	6.73	10,350	693	1.5	6.66	0	0	0
	22:47	473	6.8	13,073	616	158.5	6.73	4,607	796	4	6.67	7,454	30.2	6.67
	23:02	475	7.4	9,185	609	170	6.73	10,606	710	1.7	6.67	0	0	0
	23:17	0	7.5	9,891	995	186.7	6.73	9,814	690	1.9	6.67	550	45.8	6.67
	23:32	477	6.5	12,848	617	169.1	6.75	4,960	794	4.3	6.69	7,152	32.1	6.68
	23:47	478	7.2	9,177	619	164.5	6.74	10,663	709	2	6.69	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		440	6.93	785,350	730	168.3	6.78	635,024	763	2.7	6.71	191,547	20.9	6.72
MAXIMUM		513	8.90	13,513	995	233.8	6.82	11,726	910	7.8	6.78	8,962	49.2	6.77
MINIMUM		13	4.70	167	600	122.6	6.72	148	319	0.6	6.66	7	0.5	6.66
9/21/2020														
	0:02	0	7.2	10,055	995	182.8	6.75	9,331	688	2.3	6.69	1,068	49.2	6.69
	0:17	479	7.1	12,576	608	172.1	6.75	5,497	787	4.4	6.69	6,563	30.6	6.69
	0:32	471	7.8	9,223	614	178.7	6.75	10,684	710	2.2	6.69	0	0	0
	0:47	0	7.5	10,281	995	178.7	6.75	8,805	690	3.1	6.69	1,627	48.9	6.69
	1:02	477	6.1	12,360	603	155.7	6.75	5,829	776	4.5	6.69	6,340	28.7	6.69
	1:17	481	6.8	9,159	608	140.3	6.75	10,593	708	2.2	6.69	0	0	0
	1:32	0	6.8	10,559	995	166.8	6.75	8,368	687	2.3	6.69	2,122	49.2	6.69
	1:47	491	6.3	12,085	615	165.6	6.75	6,387	769	4.3	6.7	5,683	26.1	6.7
	2:02	490	7	9,185	603	171.2	6.75	10,610	706	2.4	6.7	0	0	0
	2:17	0	6.5	10,781	995	178.3	6.75	7,881	683	4	6.7	2,661	48.7	6.7
	2:32	493	6.7	11,837	621	162.1	6.76	6,690	764	4.7	6.71	5,308	26.9	6.71
	2:47	491	7.4	9,174	599	174.8	6.75	10,586	703	2.8	6.71	0	0	0
	3:02	0	6.7	11,023	995	171.7	6.75	7,432	691	4.5	6.71	3,258	41.9	6.71
	3:17	480	6.9	11,592	607	154.3	6.76	7,197	759	4.7	6.71	4,770	25.8	6.71
	3:32	485	7.6	9,117	627	167.3	6.75	10,597	704	2.7	6.71	0	0	0
	3:47	484	7.8	11,335	995	168.2	6.75	6,950	680	3.9	6.71	3,619	44	6.7
	4:02	488	8.1	11,355	633	169.6	6.75	7,806	758	4.7	6.71	4,182	24.1	6.71
	4:17	495	8.8	9,164	604	171.9	6.75	10,674	707	2.9	6.69	0	0	0
	4:32	482	8.3	11,568	995	162.1	6.74	6,435	680	4.3	6.69	4,221	41.7	6.69
	4:47	480	8.7	11,076	617	165.2	6.73	8,290	754	4.4	6.69	3,572	22.6	6.69
	5:02	468	8.8	9,167	613	165.9	6.73	10,636	707	2.8	6.67	0	0	0
	5:17	484	8.4	11,837	921	152.9	6.73	6,104	676	3.9	6.67	4,625	39.1	6.67
	5:32	483	8.8	10,843	609	163.4	6.72	8,710	755	4.5	6.67	3,252	22.3	6.67
	5:47	483	8.8	9,163	614	163.3	6.72	10,607	708	3	6.67	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	480	8.3	12,090	904	154.2	6.72	5,515	676	4.1	6.67	5,190	37.3	6.67
	6:17	467	8.8	10,546	628	160	6.72	9,188	753	4.4	6.67	2,662	21.5	6.67
	6:32	470	8.9	9,127	614	159.7	6.72	10,620	708	2.8	6.67	0	0	0
	6:47	481	8.4	12,327	939	154.9	6.72	4,865	695	3.5	6.67	6,210	32.5	6.67
	7:02	476	8.9	10,301	611	165.3	6.72	9,759	751	4.1	6.67	1,990	20.9	6.67
	7:17	474	8.9	9,106	614	162.1	6.72	10,590	708	2.9	6.67	0	0	0
	7:32	474	7.4	13,352	634	151.1	6.72	3,906	719	4.9	6.67	7,793	32.4	6.67
	7:47	486	8.1	9,235	598	148.9	6.72	10,760	719	3.5	6.67	0	0	0
	8:02	487	8.7	9,096	612	161.7	6.72	10,629	708	2.8	6.67	0	0	0
	8:17	481	8.6	13,344	631	160	6.73	4,026	735	5.4	6.68	7,904	32.3	6.68
	8:32	0	7.8	11,239	995	170.2	6.73	7,317	689	3.9	6.68	3,398	40.7	6.67
	8:47	479	6.5	13,458	995	152	6.73	4,136	753	6	6.68	7,736	24.2	6.68
	9:02	471	6.9	11,345	578	153.2	6.73	7,605	761	4.9	6.68	4,363	17.1	6.68
	9:17	473	7.5	9,017	590	175.6	6.73	10,528	703	3	6.68	0	0	0
	9:32	468	7.7	11,384	995	170.5	6.75	6,496	690	3	6.69	4,209	36.5	6.7
	9:47	474	7.9	12,197	732	167.7	6.76	9,181	878	4.8	6.72	4,007	18.8	6.71
	10:02	474	8.3	10,909	738	169.6	6.76	12,681	847	4.5	6.72	0	0	0
	10:17	467	8.1	13,615	995	171.4	6.76	3,986	847	5.9	6.73	7,994	32.3	6.72
	10:32	468	8.1	13,204	605	176	6.76	4,383	841	9.7	6.72	8,318	25.5	6.72
	10:47	472	8.7	9,192	995	128.1	6.76	9,457	690	6.5	6.72	1,059	2.3	6.71
	11:02	467	7.7	13,375	658	128.7	6.77	4,976	866	2.9	6.72	7,473	26.7	6.72
	11:17	482	8.4	9,994	673	121.5	6.77	11,639	777	1	6.72	0	0	0
	11:32	0	7.8	11,286	995	126.2	6.78	9,027	751	1.5	6.73	2,267	48.4	6.73
	11:47	468	6.9	12,231	678	111.8	6.8	7,674	829	2.2	6.74	4,775	16.9	6.74
	12:02	469	7.4	9,977	648	109.3	6.8	11,566	774	0.8	6.74	0	0	0
	12:17	470	7.6	11,498	995	115.1	6.81	8,417	749	0.8	6.75	2,876	41.8	6.76
	12:32	459	7.8	11,942	669	115.6	6.81	8,820	819	2.1	6.76	3,565	14.2	6.76
	12:47	457	8.4	9,966	650	116.1	6.81	11,634	778	0.7	6.76	0	0	0
	13:32	476	8.5	4,387	995	94.8	6.76	1,216	701	4.1	6.77	2,294	36.8	6.64

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:47	464	8.6	12,369	664	82.9	6.82	8,960	835	2.6	6.76	3,489	13.4	6.77
	14:02	0	8.6	9,985	658	102.3	6.81	11,731	782	0.6	6.76	0	0	0
	14:17	0	7.4	11,402	995	101.9	6.81	8,674	754	0.9	6.75	2,719	40.5	6.74
	14:32	0	5.9	11,915	682	93.8	6.81	9,383	817	2.6	6.76	2,942	12.9	6.75
	14:47	0	6.1	5,110	0	86.8	6.81	6,006	775	0.6	6.75	0	2	6.74
	15:02	443	5.9	7,830	678	94.9	6.82	9,161	815	0.8	6.76	83	0.5	6.76
	15:17	434	5.6	12,947	774	122	6.83	5,959	734	2.2	6.76	5,643	21.2	6.76
	15:32	436	5.7	10,434	671	156.7	6.85	11,904	808	1.3	6.79	249	9.6	6.78
	15:47	440	6.1	9,816	661	152.1	6.87	11,582	774	1.3	6.81	0	0	0
	16:02	450	6.3	13,100	750	142.9	6.88	4,526	739	2.7	6.82	7,247	26.7	6.82
	16:17	446	6.2	10,320	645	157.8	6.88	12,070	808	1.5	6.83	0	0	0
	16:32	455	6.5	9,871	674	146.8	6.88	11,639	777	1.7	6.82	0	0	0
	16:47	460	6.4	13,266	743	138.6	6.88	4,515	757	3.9	6.83	7,319	27.5	6.83
	17:02	453	6.6	10,222	656	147.8	6.88	11,953	799	1.5	6.82	0	0	0
	17:17	456	7	9,903	661	134.3	6.88	11,581	772	2.7	6.81	0	0	0
	17:32	453	6.8	13,307	697	121.4	6.89	4,932	779	4.9	6.83	7,043	27.2	6.83
	17:47	458	7.1	10,080	654	137.7	6.89	11,839	792	1.2	6.84	0	0	0
	18:02	453	7.5	9,908	666	144.6	6.88	11,705	778	1.5	6.82	0	0	0
	18:17	455	7.2	13,421	695	135.8	6.88	4,696	784	3.7	6.81	7,307	27.6	6.81
	18:32	451	7.6	10,068	661	139.1	6.86	11,763	787	1.3	6.81	0	0	0
	18:47	447	8	9,913	640	138.6	6.86	11,704	779	2.6	6.8	0	0	0
	19:02	459	6.9	13,478	667	127.4	6.86	4,764	802	4.7	6.8	7,359	27.8	6.79
	19:17	449	7.3	10,013	642	120	6.85	11,818	787	1.2	6.8	0	0	0
	19:32	455	7.7	9,896	980	133.1	6.85	11,722	780	2.3	6.79	0	0	0
	19:47	453	6.8	13,489	680	138.7	6.85	4,708	809	4.5	6.79	7,603	28.8	6.79
	20:02	450	7.2	9,980	658	139.7	6.84	11,806	785	1.6	6.78	0	0	0
	20:17	458	7.6	9,907	995	151.9	6.83	11,700	779	5	6.78	0	0	0
	20:32	0	6.6	13,620	668	148.5	6.83	4,513	817	5.6	6.78	7,769	31.3	6.78
	20:47	449	6.2	9,921	0	135.3	6.83	11,620	776	1.6	6.77	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:02	456	6.1	8,255	673	123.2	6.83	9,666	794	3.6	6.77	7	6.6	6.76
	21:17	456	5.9	13,458	665	136.7	6.84	4,420	787	4.1	6.77	7,640	28.2	6.77
	21:32	466	6.2	10,010	671	168.9	6.85	11,724	781	1.7	6.78	0	0	0
	21:47	452	6.5	10,064	899	176.4	6.85	10,821	772	5.8	6.78	995	12	6.78
	22:02	456	6.2	14,032	673	162.5	6.85	2,564	932	6.1	6.79	10,346	34.7	6.78
	22:17	460	6.5	9,998	668	165.2	6.84	11,713	782	3.5	6.78	0	0	0
	22:32	455	6.7	7,158	895	161.4	6.84	2,300	769	7	6.78	5,790	31	6.78
	22:47	452	6.4	13,120	734	150.6	6.85	1,431	969	5.8	6.79	10,497	33	6.79
	23:02	459	6.7	10,193	657	142.5	6.85	11,845	792	2.2	6.79	0	0	0
	23:17	461	7	9,847	885	142	6.85	11,596	770	5.9	6.79	0	0	0
	23:32	466	6.7	14,050	696	136.1	6.86	2,299	925	6.5	6.81	10,640	32.5	6.8
	23:47	467	7	10,125	652	149.7	6.85	11,815	790	2.9	6.8	0	0	0
	AVERAGES/TOTALS	467	7.35	1,019,056	735	147.3	6.79	794,424	764	3.4	6.74	271,641	28.1	6.73
	MAXIMUM	495	8.90	14,050	995	182.8	6.89	12,681	969	9.7	6.84	10,640	49.2	6.83
	MINIMUM	434	5.60	4,387	578	82.9	6.72	1,216	676	0.6	6.67	7	0.5	6.64
9/22/2020														
	0:02	458	7.3	10,562	995	152.1	6.85	9,476	773	7.1	6.79	2,736	34.8	6.79
	0:17	0	7.9	12,753	0	143	6.85	0	0	7	6.79	3,504	29.6	6.79
	0:32	461	7.4	8,063	659	171.7	6.84	9,390	812	3.5	6.79	164	1.7	6.79
	0:47	456	7.3	12,348	896	147.4	6.83	6,188	734	4.2	6.78	5,031	35.9	6.77
	1:02	458	7.5	11,145	653	156.8	6.83	10,114	825	2.7	6.77	2,608	19.6	6.78
	1:17	459	7.9	9,826	654	152.4	6.82	11,667	775	4.5	6.76	0	0	0
	1:32	459	6.8	13,112	793	131.7	6.83	3,480	774	8.9	6.76	8,511	31.4	6.77
	1:47	453	7.2	10,487	631	122.9	6.83	11,844	816	2.4	6.78	498	12.4	6.78
	2:02	460	7.6	9,792	635	133.1	6.83	11,586	774	2.5	6.78	0	0	0
	2:17	0	6.5	13,375	714	134.2	6.83	4,556	784	5.4	6.78	7,619	29.9	6.78
	2:32	458	6.8	10,038	663	126.9	6.84	11,828	790	1.7	6.78	0	0	0
	2:47	461	7.1	9,770	995	136.7	6.84	11,585	775	3.5	6.78	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:02	462	6.8	13,571	669	141.3	6.85	4,614	808	4.6	6.79	7,520	30.4	6.79
	3:17	462	7.5	9,803	644	149.2	6.84	11,568	774	2.5	6.78	0	0	0
	3:32	463	7.6	10,998	995	146.6	6.83	8,066	768	7	6.78	4,072	36.7	6.78
	3:47	455	7.6	13,051	635	145.3	6.83	5,619	867	4.1	6.78	7,033	30	6.78
	4:02	457	8.2	9,743	658	144.3	6.83	11,560	770	3	6.78	0	0	0
	4:17	450	8.2	11,379	995	141.8	6.83	7,693	771	7.3	6.78	4,059	42.5	6.78
	4:32	454	8	12,220	659	145.3	6.83	7,361	842	3.3	6.78	5,326	22.3	6.78
	4:47	454	8.6	9,769	649	145.2	6.83	11,535	769	2.7	6.77	0	0	0
	5:02	454	8.2	11,962	995	139.1	6.83	6,993	743	6.7	6.76	4,233	39.5	6.76
	5:17	444	8.5	11,416	647	144.8	6.83	9,201	822	2.6	6.77	3,363	18.3	6.78
	5:32	0	8.8	9,799	647	143.4	6.81	11,579	770	2.8	6.76	0	0	0
	5:47	451	8.1	12,690	849	133.3	6.81	5,147	730	6.4	6.76	6,266	31.9	6.76
	6:02	457	8.7	10,603	643	146.7	6.81	10,961	813	2.3	6.76	1,493	18	6.76
	6:17	410	8.9	9,720	654	140.1	6.81	11,530	769	2.9	6.76	0	0	0
	6:32	419	8.6	13,215	734	127.4	6.81	4,391	754	5.6	6.76	7,529	28.4	6.76
	6:47	413	8.9	10,077	645	137.3	6.81	11,831	792	1.7	6.76	0	0	0
	7:02	413	8.6	9,710	971	131.9	6.82	11,485	767	2.1	6.76	0	0	0
	7:17	400	8.3	13,487	675	119.7	6.83	5,223	798	3.9	6.77	6,866	27.3	6.77
	7:32	406	8.6	9,763	646	138.7	6.83	11,636	772	1.2	6.78	0	0	0
	7:47	0	8.2	5,568	872	138.3	6.84	4,917	818	3.4	6.78	1,575	10.6	6.78
	8:02	438	6.2	14,512	903	101.6	6.85	3,516	785	5.9	6.79	8,382	21.6	6.79
	8:17	452	6.6	10,346	649	106.6	6.85	11,405	761	2.1	6.8	0	0	0
	8:32	445	6.9	9,564	954	143.2	6.86	11,339	760	0.8	6.8	0	0	0
	8:47	444	6.4	13,391	653	155.6	6.86	4,710	785	2.5	6.81	7,326	26.2	6.81
	9:02	446	7.1	9,632	632	162.2	6.86	11,472	766	1.4	6.81	0	0	0
	9:17	445	7.2	9,726	995	154.8	6.87	11,171	752	3.5	6.82	187	5.5	6.82
	9:32	448	7.2	13,877	788	145.5	6.88	4,123	973	2.6	6.83	8,993	24.1	6.82
	9:47	450	7.1	12,415	941	148.3	6.87	11,976	960	4.3	6.83	2,488	12.5	6.82
	10:02	451	6.9	13,758	686	137.1	6.88	1,714	763	3.6	6.85	10,024	22.1	6.83

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:17	445	6.5	11,662	995	136.8	6.9	11,823	873	1.5	6.86	1,259	2.2	6.86
	10:32	449	6.3	13,196	668	139.1	6.91	5,298	854	2.9	6.87	7,130	20.9	6.86
	10:47	438	6.8	9,865	655	143	6.91	11,668	779	1.2	6.86	0	0	0
	11:02	447	7	11,118	995	133.3	6.93	9,872	775	2.3	6.87	1,727	48.6	6.88
	11:17	442	6.9	12,004	623	131.1	6.93	7,148	736	2.6	6.88	4,282	17.3	6.88
	11:32	448	7.3	9,869	661	128.7	6.93	11,453	766	0.7	6.88	0	0	0
	11:47	442	7.2	11,861	995	121.3	6.94	8,426	785	1.3	6.88	3,404	34.1	6.88
	12:02	448	7.3	11,396	659	124.3	6.94	9,585	804	2.2	6.88	2,694	12.4	6.88
	12:17	451	6.8	9,658	648	117.2	6.93	11,538	769	0.6	6.86	0	0	0
	12:32	455	6.8	12,430	864	106.4	6.94	6,892	723	2	6.86	3,942	26.6	6.86
	12:47	455	6.9	10,506	645	116.2	6.94	10,742	795	1.5	6.88	1,468	12.1	6.88
	13:02	460	7.2	9,665	656	117.5	6.95	11,467	767	0.6	6.88	0	0	0
	13:17	456	7.5	12,952	693	113.2	6.96	6,168	717	3.1	6.89	5,043	22.7	6.89
	13:32	457	7.8	9,945	646	118.5	6.97	11,792	790	1.1	6.9	0	0	0
	13:47	456	7.4	9,742	663	113.7	6.98	11,581	770	0.8	6.91	0	0	0
	14:02	0	7.1	13,219	640	106	7	6,088	761	3.6	6.94	5,552	24.3	6.94
	14:17	460	6.5	9,738	649	102.9	7	11,638	776	1	6.95	0	0	0
	14:32	0	5.7	9,702	995	90.4	7.01	11,599	774	0.7	6.96	0	0	0
	14:47	450	6.5	8,859	648	93.6	7.03	5,030	762	2.8	6.98	3,370	23.8	6.97
	15:02	444	6.8	9,508	624	98.6	7.05	10,999	733	1	6.99	0	0	0
	15:17	444	7.1	9,549	920	108.8	7.08	11,089	735	1	7.02	0	0	0
	15:32	447	6.9	13,092	626	112.5	7.1	6,468	699	4	7.05	4,393	29.2	7.05
	15:47	435	7.3	9,489	630	130.3	7.09	10,997	737	0.9	7.04	0	0	0
	16:02	440	7.7	9,564	995	137.4	7.07	10,943	730	0.7	7.02	0	0	0
	16:17	442	7.6	12,359	648	135.1	7.05	7,913	693	4	7	2,570	24.1	7
	16:32	0	7.4	9,465	627	132.6	7.04	11,214	742	0.7	6.98	0	0	0
	16:47	0	5.9	10,476	995	111.5	7.05	9,596	719	0.7	6.99	1,239	33.8	7
	17:02	0	5.7	5,231	0	86.2	7.05	1,995	613	6.5	7	1,427	15.9	7
	18:17	0	6	4,684	69	94.5	7.07	3,949	839	5.1	7.02	1,482	13.6	7.03

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:32	0	5.6	5,066	679	104	7.05	5,814	805	1.9	7	113	1.7	7
	18:47	0	6	5,427	333	137	7.04	6,300	818	1.3	6.99	31	1.5	6.98
	19:02	458	6.4	5,822	0	163.7	7.01	6,771	811	1	6.96	28	1.2	6.96
	19:17	441	7.1	3,091	0	170.1	7	2,587	696	1.3	6.95	180	17.3	6.95
	19:32	0	5.8	6,622	622	195	6.97	5,740	760	1.9	6.93	1,744	22.8	6.94
	19:47	453	6.3	7,147	0	165.7	6.97	6,855	714	2.9	6.91	1,256	8	6.9
	20:02	475	6.2	5,553	0	156.6	6.96	6,097	749	3.7	6.9	259	2.4	6.9
	20:17	0	6.5	1,835	661	182.9	6.95	2,051	740	4.6	6.89	17	3	6.89
	20:32	478	6.4	9,287	0	163	6.94	7,775	681	4.6	6.88	1,012	49.5	6.87
	20:47	479	6.4	6,175	0	148.7	6.94	3,417	755	3.9	6.87	2,969	26.9	6.87
	21:02	491	6.2	5,868	0	154.9	6.92	6,477	742	3.4	6.86	67	2.6	6.86
	21:17	0	5.6	4,934	657	159.9	6.92	5,440	733	3.7	6.86	49	2.8	6.85
	21:32	0	5.7	5,065	713	160.6	6.91	5,651	735	4.5	6.85	61	4.3	6.84
	21:47	0	6	6,249	551	163.5	6.91	4,506	733	5.5	6.84	1,926	21.2	6.83
	22:02	25	5.8	6,368	239	169.2	6.9	1,554	789	7.2	6.83	4,449	31.9	6.83
	22:17	479	6.2	6,096	0	174.7	6.89	6,586	708	5.8	6.83	185	4.2	6.83
	22:32	0	6.8	615	768	176.8	6.89	612	609	4.9	6.83	92	4.5	6.82
	22:47	0	5.6	9,890	589	182.4	6.89	8,345	699	6.9	6.82	2,761	11.6	6.83
	23:02	0	6.6	2,071	769	163.4	6.88	2,215	652	8.9	6.82	115	11.7	6.81
	23:17	0	5.7	9,963	750	157.7	6.88	0	0	0	0	8,149	29.7	6.81
	23:32	476	6.4	6,765	0	164.5	6.87	5,307	727	4.4	6.81	2,305	17.2	6.81
	23:47	407	6	5,623	59	156.5	6.86	6,043	704	2.1	6.81	62	1.6	6.8
AVERAGES/TOTALS		444	7.05	883,372	715	138.4	6.91	717,164	767	3.3	6.85	206,218	20.0	6.85
MAXIMUM		491	8.90	14,512	995	195.0	7.10	11,976	973	8.9	7.05	10,024	49.5	7.05
MINIMUM		25	5.60	615	59	86.2	6.81	612	609	0.6	6.76	17	1.2	6.76
9/23/2020														
	0:02	0	5.8	4,729	677	163.3	6.86	5,048	700	1.6	6.81	221	1.8	6.8
	0:17	483	6.3	7,061	0	164.7	6.87	6,917	689	2.9	6.81	328	8.9	6.81

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:32	484	6.1	6,422	0	166	6.86	1,608	799	5.5	6.81	4,125	35.7	6.81
	0:47	0	5.6	4,846	654	171.5	6.86	5,144	704	3.1	6.81	200	2.5	6.81
	1:02	480	6.1	6,109	0	166.5	6.86	6,584	714	3.6	6.81	198	3	6.8
	1:17	480	6.1	6,072	0	165.5	6.86	6,569	709	5.7	6.81	85	3.6	6.81
	1:32	482	6.2	6,273	52	170.3	6.87	1,722	693	6.4	6.81	5,373	14.2	6.81
	1:47	0	6	6,131	679	164	6.86	445	888	8.7	6.81	4,872	39.4	6.81
	2:02	479	6.3	7,243	601	171.1	6.86	7,731	709	4.9	6.81	187	4.2	6.81
	2:17	457	6.3	12,846	651	187	6.86	3,902	679	4.2	6.81	6,782	26.4	6.81
	2:32	457	6.6	9,132	599	202.6	6.86	10,164	676	1.5	6.81	0	0	0
	2:47	0	6.7	8,960	952	203	6.86	9,932	662	2.2	6.8	0	0	0
	3:02	0	5.7	10,645	705	177.6	6.86	1,431	567	4.3	6.79	6,393	28	6.79
	3:17	0	6	6,364	411	169	6.85	7,022	721	2.7	6.8	0	2.7	6.79
	3:32	447	6.2	6,172	0	157.2	6.85	6,822	718	2	6.79	67	1.7	6.79
	3:47	0	5.5	4,957	609	163.7	6.85	5,389	715	2.2	6.79	117	2	6.79
	4:02	0	5.7	4,996	995	165.5	6.85	4,382	675	3.5	6.79	255	42.6	6.79
	4:17	457	6	6,714	0	172.1	6.85	3,605	721	4.9	6.79	2,702	39.4	6.79
	4:32	453	6.4	8,054	601	186.1	6.85	8,886	685	3	6.79	0	1.9	6.8
	4:47	451	6.8	9,005	603	212	6.85	9,995	666	5.5	6.79	0	0	0
	5:02	443	6.6	12,865	717	198.9	6.85	2,141	658	9.1	6.79	8,629	33.7	6.79
	5:17	452	6.9	9,608	586	195.2	6.85	9,865	702	3	6.79	924	18.9	6.79
	5:32	448	7.5	8,967	608	181.2	6.86	10,021	663	2.6	6.8	0	0	0
	5:47	456	7.4	12,508	699	165.2	6.87	3,578	621	4.9	6.81	6,498	29.4	6.82
	6:02	446	7.9	9,436	613	167.3	6.88	10,201	695	2.4	6.83	232	9.1	6.83
	6:17	443	8.3	8,936	611	156.8	6.89	9,951	664	1.4	6.84	0	0	0
	6:32	449	8.2	12,618	656	154.3	6.9	4,349	647	2.9	6.85	5,793	27	6.85
	6:47	0	8.1	9,255	583	161.3	6.9	10,213	683	2	6.86	0	0	0
	7:02	0	7	8,942	591	150.1	6.91	9,905	663	1.3	6.86	0	0	0
	7:17	451	6.2	12,472	0	131.9	6.91	5,050	644	3.4	6.86	4,774	24.6	6.86
	7:32	453	6.2	7,268	989	134.4	6.91	7,466	663	2.3	6.87	42	2.4	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:47	455	6.1	12,417	598	143.3	6.92	6,704	632	4.7	6.88	3,073	14.6	6.87
	8:02	462	6.6	8,937	589	156.5	6.94	9,878	656	1	6.9	0	0	0
	8:17	457	6.7	9,493	995	159.1	6.95	9,264	638	0.8	6.91	309	34.8	6.91
	8:32	452	6.8	12,175	590	149	6.95	5,745	695	3.7	6.91	4,643	21.5	6.91
	8:47	0	6.6	8,945	597	147.7	6.94	9,835	657	1	6.9	0	0	0
	9:02	455	6.4	9,770	995	131.6	6.93	8,800	639	1.3	6.89	741	47.7	6.89
	9:17	453	6.4	12,028	609	139.1	6.94	5,728	696	3.4	6.9	4,841	21.3	6.89
	9:32	451	6.9	8,924	583	153.7	6.94	9,913	661	1.3	6.9	0	0	0
	9:47	454	6.6	9,983	995	153.2	6.94	8,393	644	2.6	6.9	1,196	48.7	6.9
	10:02	441	6.7	11,775	600	145.9	6.94	5,495	710	3	6.91	5,285	21.8	6.9
	10:17	447	7.3	8,923	600	152.4	6.94	9,821	654	1.6	6.9	0	0	0
	10:32	0	6.8	10,290	995	147.1	6.96	8,020	641	2.4	6.91	1,629	49.1	6.91
	10:47	451	5.9	10,409	728	130.9	6.97	4,172	727	3.6	6.93	5,488	20	6.93
	11:02	448	5.8	13,149	742	122.6	6.97	4,270	706	5	6.94	7,183	18.7	6.94
	11:17	447	6	9,950	660	164.5	6.97	11,577	784	2.7	6.95	249	10.3	6.95
	11:32	451	6.4	9,467	633	185.9	6.97	11,262	749	2.8	6.93	0	0	0
	11:47	455	6.3	12,887	727	172.3	6.97	3,871	703	6.1	6.93	7,532	30.9	6.93
	12:02	446	6.6	9,875	638	183.1	6.97	11,732	782	3.4	6.93	0	8.4	6.93
	12:17	0	7	9,448	995	172	6.97	11,266	750	5.4	6.93	0	0	0
	12:32	460	5.7	13,235	632	128.6	6.98	3,717	780	5.4	6.94	7,264	17.7	6.94
	12:47	443	6.2	9,246	623	147.5	6.98	10,257	687	1.4	6.95	0	0	0
	13:02	449	6.6	9,124	982	165.6	6.99	10,173	678	2	6.95	0	0	0
	13:17	453	6.4	13,059	628	165.7	7.01	4,147	708	3.5	6.97	6,516	29.6	6.97
	13:32	446	6.9	9,235	612	176.8	7.01	10,339	689	1.5	6.97	0	0	0
	13:47	453	7.3	9,148	995	172.4	7	10,296	686	3	6.96	0	0	0
	14:02	448	7.2	13,081	615	159.9	6.99	4,241	711	3.4	6.95	6,438	27.2	6.95
	14:17	446	6.9	13,106	710	148.1	7	3,615	748	2.4	6.96	7,320	16.1	6.95
	14:32	442	7.2	10,654	700	140.6	7.01	12,816	855	1.5	6.97	0	0	0
	14:47	445	6.9	13,446	735	136.3	7.02	3,950	874	3.2	6.97	8,392	21.5	6.97

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:02	449	7.1	10,820	697	139.9	7.02	12,992	868	2	6.98	0	0	0
	15:17	444	6.9	13,247	764	122.1	7.02	4,393	844	2.8	6.98	7,794	20.3	6.98
	15:32	451	7.2	10,276	644	122.6	7.02	12,054	815	1.9	6.98	249	11.9	6.98
	15:47	445	7.7	9,786	671	111.7	7.02	11,798	787	1.6	6.98	0	0	0
	16:02	448	7.4	13,094	724	100.7	7.03	5,332	743	4	6.98	6,286	25.9	6.99
	16:17	439	7.8	10,188	653	103.8	7.03	12,139	809	1.6	6.99	0	0	0
	16:32	453	8.2	9,849	661	102.3	7.02	11,726	785	1.2	6.98	0	0	0
	16:47	454	8	13,121	697	95.7	7.02	6,304	759	3.7	6.97	5,380	25.2	6.97
	17:02	448	8.3	10,047	647	99.4	7.01	11,965	800	1.3	6.97	0	0	0
	17:17	446	8.7	9,866	641	94.6	7	11,819	786	1	6.95	0	0	0
	17:32	452	8.5	13,144	676	91.1	7	6,541	764	3.8	6.95	5,323	24.7	6.95
	17:47	442	8.8	9,943	662	93.1	7	11,887	791	1.1	6.96	0	0	0
	18:02	445	8.8	9,894	651	84.2	7	11,800	784	1	6.95	0	0	0
	18:17	446	8.5	13,220	663	77.6	7.02	6,056	767	4.1	6.96	5,597	24.9	6.96
	18:32	448	8.9	9,922	658	82.5	7.04	11,817	787	1	6.98	0	0	0
	18:47	444	8.8	9,862	641	75.2	7.05	11,775	785	0.9	7	0	0	0
	19:02	0	7.6	13,128	681	69.6	7.06	6,617	758	4	7.02	5,004	24.8	7.02
	19:17	443	7.8	9,897	657	65.8	7.08	11,737	786	0.9	7.05	0	0	0
	19:32	0	7.9	9,847	987	66.8	7.12	11,765	783	0.7	7.07	0	0	0
	19:47	400	6.2	12,675	664	57.8	7.13	8,563	715	3.3	7.1	2,280	15	7.09
	20:02	408	6.6	9,811	634	49.7	7.14	11,733	784	0.9	7.1	0	0	0
	20:17	409	6.9	9,758	995	53.3	7.18	11,729	782	0.7	7.14	0	0	0
	20:32	417	6.8	12,688	650	50.9	7.21	9,699	670	2.8	7.17	372	10.5	7.16
	20:47	438	7.2	9,811	658	51.5	7.24	11,794	786	0.8	7.21	0	0	0
	21:02	430	7.5	9,772	995	52.7	7.26	11,833	785	0.7	7.22	0	0	0
	21:17	429	7.5	12,676	653	47.2	7.27	9,883	660	2.5	7.23	0	0	0
	21:32	426	8	9,801	655	43.1	7.28	11,704	785	0.7	7.25	0	0	0
	21:47	0	8	9,973	995	40.2	7.29	11,595	777	0.6	7.26	0	0	0
	22:02	0	6.4	12,484	644	37.2	7.3	10,076	670	2.3	7.27	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:17	0	5.7	9,017	0	31.5	7.31	10,773	781	0.7	7.27	123	2.5	7.28
	AVERAGES/TOTALS	449	6.93	895,402	697	134.0	6.98	735,234	724	2.8	6.93	175,304	20.2	6.89
	MAXIMUM	484	8.90	13,446	995	212.0	7.31	12,992	888	9.1	7.27	8,629	49.1	7.28
	MINIMUM	400	5.50	4,729	52	31.5	6.85	445	567	0.6	6.79	42	1.7	6.79
9/24/2020														
	9:47	431	6.1	4,911	679	37	7.25	5,920	880	1.4	7.22	0	0.6	7.22
	10:02	432	6	12,124	724	15.5	7.31	9,579	667	1.9	7.27	385	10.9	7.29
	10:17	0	6.7	10,419	0	16.9	7.39	11,790	781	2.1	7.37	0	0	0
	19:02	441	6.5	8,007	670	24	7.47	9,595	858	1.3	7.4	37	0.8	7.39
	19:17	442	6.6	11,340	995	29.3	7.37	10,317	692	1.4	7.36	0	0	0
	19:32	431	6.8	11,147	645	47	7.2	10,946	729	2	7.2	0	0	0
	19:47	436	7.2	9,623	627	56.8	7.11	11,469	765	0.9	7.1	0	0	0
	20:02	425	7.3	11,413	995	60.3	7.06	9,178	682	2.1	7.05	1,126	17.2	7.04
	20:17	435	7.4	11,260	638	66.9	7.03	10,548	795	3	7.02	1,442	12	7.04
	20:32	444	7.8	9,600	640	71.4	7	11,438	760	1.1	6.99	0	0	0
	20:47	0	8.3	11,676	121	70.3	6.99	7,298	688	1.5	6.97	766	20.6	6.97
	21:02	442	7.4	6,617	626	74.4	6.98	6,389	782	3.1	6.97	781	7.4	6.97
	21:17	437	7.8	9,541	656	69.8	6.97	10,783	720	1.3	6.96	0	0	0
	21:32	0	7.8	10,034	995	70.6	6.96	10,885	730	1.1	6.95	0	0	0
	21:47	444	7	13,292	631	71.9	6.96	6,363	828	4.4	6.95	5,922	24.1	6.94
	22:02	443	7.4	9,732	638	75.7	6.95	11,278	750	1.5	6.94	0	0	0
	22:17	444	7.6	10,182	995	79.3	6.94	10,471	721	1.4	6.93	387	35.7	6.93
	22:32	440	7.4	13,183	649	80.3	6.94	6,242	838	4.1	6.94	6,261	21.5	6.93
	22:47	443	7.9	9,683	628	83.4	6.94	11,190	747	1.7	6.93	0	0	0
	23:02	0	7.6	10,428	995	85.3	6.94	9,894	719	1.4	6.93	915	41.7	6.92
	23:17	438	7	12,874	634	85.2	6.94	6,264	831	3.7	6.93	6,234	21.8	6.93
	23:32	443	7.4	9,588	629	84.9	6.93	11,070	739	1.7	6.92	0	0	0
	23:47	436	7.5	10,589	995	86.9	6.93	9,262	715	1.6	6.92	1,491	48.5	6.92

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		438	7.24	237,263	718	62.7	7.07	218,169	757	2.0	7.05	25,747	20.2	7.04
MAXIMUM		444	8.30	13,292	995	86.9	7.47	11,790	880	4.4	7.40	6,261	48.5	7.39
MINIMUM		425	6.00	4,911	121	15.5	6.93	5,920	667	0.9	6.92	37	0.6	6.92
9/25/2020														
	0:02	451	7.5	12,607	647	90.2	6.93	6,535	818	3.6	6.93	5,967	20.9	6.92
	0:17	453	7.9	9,612	647	93.4	6.93	11,093	739	1.6	6.92	0	0	0
	0:32	0	7.3	10,779	995	95.2	6.93	8,890	712	1.8	6.92	1,960	48.8	6.91
	0:47	438	6.6	12,371	653	94.1	6.93	6,661	807	3.6	6.92	5,734	19.1	6.92
	1:02	443	7.1	9,480	623	95.5	6.91	10,941	730	1.7	6.92	0	0	0
	1:17	449	7.1	10,947	995	98	6.92	8,249	703	1.8	6.91	2,535	47.1	6.9
	1:32	442	7.1	12,088	658	104.8	6.92	6,934	795	3.7	6.92	5,424	17.7	6.92
	1:47	437	7.6	9,424	628	109.3	6.91	10,870	727	1.7	6.92	0	0	0
	2:02	430	7.6	11,208	995	109.8	6.91	7,760	693	1.7	6.91	2,890	43.5	6.9
	2:17	444	7.7	11,827	644	112.8	6.91	7,488	786	3.7	6.92	4,800	19.4	6.91
	2:32	448	8.2	9,371	618	112.9	6.91	10,815	722	1.8	6.9	0	0	0
	2:47	0	6.6	11,377	995	110.7	6.91	6,934	706	1.9	6.9	4,070	35.4	6.9
	3:02	443	6.6	11,522	627	107.9	6.91	7,690	772	3.7	6.91	4,440	18.2	6.9
	3:17	446	7.1	9,280	609	110	6.9	10,754	716	1.8	6.9	0	0	0
	3:32	440	7	11,570	995	114.1	6.91	6,622	678	1.9	6.9	4,101	40.4	6.9
	3:47	445	7.2	11,232	613	119.8	6.91	8,203	761	3.8	6.91	3,841	17.7	6.9
	4:02	444	7.7	9,206	615	122.7	6.91	10,609	708	1.9	6.9	0	0	0
	4:17	443	7.6	11,796	937	120.5	6.91	5,841	693	2.2	6.9	5,046	36.8	6.9
	4:32	441	7.8	10,984	621	122.9	6.91	8,495	755	3.9	6.91	3,464	20.1	6.9
	4:47	435	8.3	9,131	629	121	6.91	10,592	705	2.6	6.9	0	0	0
	5:02	444	8.2	12,014	940	119	6.91	5,345	687	2.6	6.9	5,658	35.2	6.9
	5:17	443	8.4	10,666	618	119.9	6.9	8,731	746	4.6	6.9	3,114	21.7	6.9
	5:32	63	9	9,073	589	118.7	6.9	10,476	698	2.2	6.9	0	0	0
	5:47	446	7.1	12,251	942	114.4	6.91	4,752	685	2.4	6.9	6,323	37.9	6.89

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	449	7.1	13,397	942	110.4	6.91	4,733	948	8.4	6.9	9,950	17.5	6.9
	6:17	450	6.9	13,715	916	112.8	6.91	1,440	963	9.3	6.9	13,433	11.2	6.9
	6:32	446	6.4	14,483	920	114.7	6.91	0	0	0	0	13,169	26.6	6.91
	6:47	443	6.7	10,879	601	119.1	6.93	8,551	765	6.3	6.93	3,716	20.8	6.92
	7:02	448	7.3	8,893	593	117.2	6.93	10,316	687	2.8	6.93	0	0	0
	7:17	443	7.1	12,621	846	116.7	6.94	3,836	660	3.5	6.93	7,449	34.3	6.93
	7:32	435	7.4	9,844	580	121.9	6.94	9,967	726	3.7	6.95	1,244	22.3	6.94
	7:47	444	8	8,830	568	124.2	6.94	10,147	679	2.5	6.95	0	0	0
	8:02	441	7.8	12,819	760	122	6.95	3,569	621	4.1	6.95	7,641	39.5	6.95
	8:17	429	7.9	9,474	580	109.2	6.96	10,420	715	4.1	6.96	498	18.1	6.96
	8:32	443	8.5	8,806	569	115.5	6.95	10,139	674	1.4	6.96	0	0	0
	8:47	444	8.2	13,060	664	109.5	6.95	3,340	628	3.3	6.95	8,203	35.1	6.95
	9:02	436	8.6	9,193	583	107.8	6.95	10,576	708	1.7	6.96	0	0	0
	9:17	447	7.3	12,810	674	98.2	6.94	3,522	619	0.9	6.95	7,793	32	6.95
	9:32	429	7.8	9,217	572	88.6	6.94	10,582	705	1.7	6.95	0	9.6	6.96
	9:47	436	8.3	8,650	591	96.1	6.94	9,986	664	0.7	6.95	0	0	0
	10:02	443	8.1	13,001	614	94.2	6.94	3,694	626	1.7	6.95	7,801	31.4	6.95
	10:17	437	8.6	8,913	584	91.9	6.94	10,305	689	1.6	6.95	0	0	0
	10:32	443	8.6	8,584	568	97.4	6.96	9,835	658	0.7	6.95	0	0	0
	10:47	444	7.5	12,946	715	85.2	6.95	3,576	643	1.9	6.95	7,590	31	6.95
	11:02	441	7.8	10,826	717	76.1	6.94	12,225	814	1.3	6.95	0	0	0
	11:17	446	8	10,717	725	81.3	6.94	12,081	803	1.8	6.95	0	0	0
	11:32	439	7.5	14,144	995	78.3	6.96	2,194	806	3.7	6.95	8,504	20.8	6.95
	11:47	436	7.6	11,401	668	69.8	6.96	8,316	775	2.3	6.97	3,619	15.8	6.96
	12:02	453	7.4	13,534	737	60.7	6.96	3,255	817	2.4	6.96	8,500	18.1	6.96
	12:17	446	7.7	10,698	690	55.9	6.96	12,086	808	1.3	6.97	0	0	0
	12:32	449	7.9	13,063	869	52.2	6.97	5,502	785	2.3	6.97	5,927	20.6	6.97
	12:47	445	8.1	10,738	670	49.5	6.98	10,556	798	1.7	6.97	1,741	16.5	6.97
	13:02	445	8.6	9,964	643	44.7	6.97	11,427	761	0.9	6.97	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	447	8.9	12,345	0	41.7	6.97	4,818	651	2.3	6.97	896	26.7	6.96
	13:32	438	8.7	8,699	660	46.7	6.97	8,315	809	2.2	6.97	1,790	16.9	6.97
	13:47	0	7.9	11,137	995	42.7	6.97	8,959	730	1	6.97	1,996	29.5	6.96
	14:02	0	6.4	12,173	645	40.8	6.97	8,161	801	2.9	6.97	3,874	17.4	6.97
	14:17	0	5.6	8,623	0	35	6.96	9,900	749	0.8	6.96	21	3.2	6.96
	14:32	441	5.9	6,359	629	35.8	6.96	7,195	779	2.2	6.95	42	0.7	6.94
	14:47	454	5.6	13,296	675	53.9	6.96	5,411	747	3.1	6.95	6,088	22.2	6.95
	15:02	468	5.9	9,838	646	77.5	6.98	11,227	753	1	6.97	0	0	0
	15:17	461	6.3	9,694	645	74.1	6.99	11,137	743	1.3	6.98	0	0	0
	15:32	468	6.2	13,378	656	67.3	6.99	4,587	759	3.6	6.98	7,086	27.2	6.98
	15:47	471	6.6	9,802	649	63.7	6.99	11,256	749	1.1	6.99	0	0	0
	16:02	459	7	9,725	987	60.8	6.99	11,139	742	1	6.99	0	0	0
	16:17	469	6.9	13,429	661	62.5	6.99	4,767	755	3.3	6.99	6,791	26.2	6.98
	16:32	470	7.3	9,732	650	63.6	6.99	11,072	738	1.1	6.98	0	0	0
	16:47	465	7.7	9,691	995	62.7	6.99	11,067	736	0.9	6.97	0	0	0
	17:02	461	7.6	13,449	653	59.9	6.99	4,501	758	3.2	6.97	7,007	25.8	6.97
	17:17	460	8	9,728	638	61.2	6.98	11,010	733	1.1	6.96	0	0	0
	17:32	463	8.4	9,717	995	62.9	6.97	11,064	735	1	6.95	0	0	0
	17:47	466	8.2	13,482	633	61.9	6.97	4,545	758	3.3	6.95	7,009	25.6	6.95
	18:02	466	7.6	10,639	995	63.8	6.96	9,633	715	1.2	6.94	1,093	17.9	6.93
	18:17	459	7.7	12,576	644	64.4	6.96	6,891	785	3.4	6.94	5,003	17.8	6.94
	18:32	465	8.2	9,723	627	69.3	6.95	10,992	735	1	6.93	0	0	0
	18:47	466	8.4	10,815	995	72	6.94	9,061	711	1.1	6.92	1,621	43.8	6.92
	19:02	464	8.4	12,332	657	75.3	6.94	6,543	794	2.8	6.93	5,451	20	6.92
	19:17	0	8	9,708	650	78.4	6.94	11,063	737	1.1	6.92	0	0	0
	19:32	471	7.6	11,035	995	75.2	6.94	8,526	711	1.2	6.91	2,137	46.2	6.9
	19:47	475	7.7	12,120	645	79.7	6.93	6,921	795	2.8	6.92	5,148	18	6.91
	20:02	468	8.2	9,643	659	86.1	6.93	11,040	736	1.1	6.9	0	0	0
	20:17	0	7.6	11,246	995	90.5	6.93	7,976	711	1.3	6.9	2,772	44	6.9

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:32	471	7.6	11,904	640	91.4	6.93	7,520	793	2.9	6.9	4,657	17.3	6.9
	20:47	466	8.1	9,651	658	95.1	6.91	11,011	736	1.2	6.9	0	0	0
	21:02	469	7.5	11,463	995	97.6	6.91	7,613	706	1.7	6.89	3,069	40.5	6.88
	21:17	471	7.8	11,713	644	102.4	6.91	7,660	784	2.7	6.9	4,426	20.1	6.89
	21:32	469	8.2	9,564	636	106.8	6.91	10,944	731	1.3	6.88	0	0	0
	21:47	464	7.6	11,698	995	109.1	6.91	6,993	702	2.1	6.88	3,554	41.1	6.88
	22:02	468	7.8	11,512	631	112.4	6.9	8,064	782	2.8	6.88	4,125	21.4	6.88
	22:17	473	8.3	9,598	632	116	6.89	10,979	731	1.4	6.88	0	0	0
	22:32	469	7.3	11,946	871	118.6	6.89	6,456	699	2.2	6.86	4,125	39.3	6.86
	22:47	462	7.7	11,236	640	120.1	6.89	8,538	777	2.8	6.87	3,555	20.2	6.87
	23:02	456	8.2	9,578	628	127.9	6.89	10,933	731	1.5	6.86	0	0	0
	23:17	456	7.4	12,119	884	131	6.88	6,083	695	2.4	6.86	4,536	37.9	6.85
	23:32	465	7.8	10,945	651	134.1	6.88	8,765	769	3	6.86	3,228	23	6.86
	23:47	459	8.3	9,537	637	136	6.88	10,894	727	1.8	6.85	0	0	0
AVERAGES/TOTALS		447	7.59	1,051,634	728	91.5	6.94	788,686	738	2.4	6.93	287,245	26.1	6.92
MAXIMUM		475	9.00	14,483	995	136.0	6.99	12,225	963	9.3	6.99	13,433	48.8	6.98
MINIMUM		63	5.60	6,359	568	35.0	6.88	1,440	619	0.7	6.85	21	0.7	6.85
9/26/2020														
	0:02	460	7.5	12,415	875	135	6.88	5,479	690	2.9	6.85	5,078	37.5	6.85
	0:17	462	7.9	10,732	623	137.1	6.88	9,438	768	3.2	6.85	2,700	23.9	6.85
	0:32	463	8.4	9,483	642	138.6	6.88	10,854	728	2	6.85	0	0	0
	0:47	461	7.2	12,597	868	139.5	6.88	4,961	685	3.4	6.84	5,742	36.4	6.84
	1:02	466	7.7	10,517	628	137.8	6.87	9,698	761	3.3	6.85	2,235	24.7	6.85
	1:17	469	8.2	9,468	634	147.7	6.86	10,862	722	2.2	6.83	0	0	0
	1:32	468	7.2	12,691	834	146.5	6.86	4,485	678	4.1	6.83	6,421	37.1	6.83
	1:47	478	7.6	10,341	639	146.4	6.86	10,249	758	3.2	6.83	1,489	24.7	6.83
	2:02	469	8.1	9,446	616	150.7	6.86	10,818	720	2.3	6.83	0	0	0
	2:17	0	7.7	12,902	802	151.6	6.86	3,982	669	4.1	6.83	7,023	37.5	6.83

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:32	471	7.3	10,166	629	147	6.86	10,587	756	3.4	6.83	995	16.6	6.83
	2:47	473	7.8	9,429	642	127.5	6.86	10,799	720	2.5	6.82	0	0	0
	3:02	467	7.6	13,062	738	150.7	6.86	3,479	666	3.4	6.81	7,690	35.1	6.82
	3:17	463	8	9,947	633	160.1	6.85	11,230	752	1.7	6.83	0	7.9	6.83
	3:32	456	8.5	9,401	607	166	6.85	10,746	718	1.7	6.81	0	0	0
	3:47	464	7.6	13,174	715	166.1	6.85	3,829	686	4.1	6.81	7,520	36.4	6.8
	4:02	471	8.1	9,756	642	163.7	6.84	11,110	743	1.7	6.81	0	0	0
	4:17	464	8.6	9,372	609	165.9	6.83	10,792	718	2	6.8	0	0	0
	4:32	0	6.8	13,318	686	157.9	6.83	3,694	703	4.7	6.79	7,832	36.2	6.79
	4:47	474	7.2	9,600	602	145.3	6.83	10,942	733	1.6	6.8	0	0	0
	5:02	467	7.7	9,321	633	156.6	6.83	10,686	715	1.9	6.78	0	0	0
	5:17	465	7.5	13,405	659	162.9	6.83	3,783	716	4.7	6.79	7,646	36.1	6.78
	5:32	474	7.9	9,488	634	171.7	6.83	10,848	719	1.6	6.79	0	0	0
	5:47	472	8.5	9,334	957	173.6	6.83	10,596	709	2.6	6.78	0	0	0
	6:02	470	7.6	13,443	622	167.2	6.83	3,638	755	5.5	6.78	8,049	35.7	6.78
	6:17	453	8.1	9,413	632	171.1	6.81	10,693	713	1.7	6.78	0	0	0
	6:32	0	8.2	9,251	995	174.3	6.81	10,573	708	2.6	6.76	0	0	0
	6:47	469	6.5	13,466	627	163.2	6.81	3,614	761	5.2	6.76	8,096	34.6	6.76
	7:02	470	7.1	9,291	591	149.1	6.8	10,611	708	1.5	6.76	0	0	0
	7:17	468	7.5	9,197	995	170.5	6.8	10,562	703	2.1	6.75	0	0	0
	7:32	457	7.3	13,542	628	177.6	6.81	3,695	731	4.8	6.76	7,858	37	6.75
	7:47	467	7.8	9,252	613	182.6	6.81	10,560	703	1.6	6.76	0	0	0
	8:02	467	8.2	9,254	995	178.9	6.81	10,443	695	2.9	6.76	0	0	0
	8:17	470	8.1	13,421	609	174.6	6.81	3,714	793	4.7	6.76	8,283	35.1	6.76
	8:32	469	8.6	9,182	610	176	6.81	10,476	699	1.6	6.76	0	0	0
	8:47	474	8.5	9,492	995	175.9	6.81	9,970	689	3.3	6.75	355	21.3	6.75
	9:02	0	7.3	14,086	694	160.2	6.8	696	945	4.8	6.75	12,161	37.4	6.75
	9:17	467	7.7	9,518	618	158.5	6.8	10,854	723	2.5	6.75	0	0	0
	9:32	0	7.9	9,737	995	165.2	6.78	9,368	685	3.6	6.73	873	30.1	6.73

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:47	473	6.4	12,865	601	159.5	6.8	4,478	786	3.9	6.75	7,357	35	6.73
	10:02	456	7	9,056	598	150.7	6.79	10,388	690	1.4	6.74	0	0	0
	10:17	460	7.3	9,872	995	168.6	6.8	9,006	679	2.7	6.73	1,258	37	6.73
	10:32	461	7.2	12,588	601	173.2	6.81	4,970	766	3.6	6.76	6,870	32.3	6.74
	10:47	467	7.8	9,010	608	174.3	6.81	10,246	686	1.5	6.76	0	0	0
	11:02	469	8.1	10,138	995	171.2	6.82	8,247	681	2.7	6.76	2,038	39.7	6.76
	11:17	463	8.1	12,364	614	169.8	6.83	5,553	767	3.6	6.77	6,367	29.9	6.76
	11:32	0	8	9,603	995	138	6.82	9,712	668	1.7	6.76	365	43	6.76
	11:47	0	6.3	12,846	610	156.4	6.83	4,704	783	3.2	6.77	7,264	33.8	6.76
	12:02	464	6.4	8,961	598	137.3	6.82	10,294	688	1.1	6.76	0	0	0
	12:17	474	6.7	9,803	995	150.6	6.82	9,068	663	2.1	6.75	851	47.7	6.74
	12:32	467	6.6	12,526	610	163.4	6.83	5,218	771	2.9	6.78	6,621	30.5	6.75
	12:47	460	7.3	8,935	587	167.7	6.85	10,350	689	1.1	6.79	0	0	0
	13:02	451	7.6	9,966	995	164.6	6.86	8,844	666	1.9	6.8	937	49.4	6.8
	13:17	460	7.6	12,260	612	159.9	6.86	0	0	2.8	6.81	0	27.1	6.8
	13:32	460	8.1	8,213	276	154.6	6.86	0	0	1.1	6.81	0	14.9	6.81
	13:47	468	8.4	9,218	995	145.3	6.87	7,534	722	4.5	6.81	2,618	12.5	6.81
	14:02	470	8.3	13,019	602	139.5	6.87	4,238	758	3.6	6.81	7,592	31.1	6.81
	14:17	466	8.8	8,956	584	143.7	6.86	10,243	684	1.1	6.81	0	0	0
	14:32	471	8.7	9,455	995	137.6	6.86	9,601	665	2.3	6.81	284	40.3	6.81
	14:47	465	8.6	12,799	592	131.3	6.87	4,582	774	3.1	6.81	7,247	30.6	6.81
	15:02	0	8.5	8,918	934	131.6	6.86	10,315	687	1.1	6.81	0	0	0
	15:17	446	6.9	13,212	597	114.8	6.87	4,109	709	2.9	6.82	7,346	27.8	6.81
	15:32	445	7.4	8,943	574	106.3	6.87	10,214	680	1.1	6.82	0	0	0
	15:47	445	7.8	8,871	973	131.5	6.88	10,242	683	0.8	6.81	0	0	0
	16:02	448	7.6	13,180	600	133.5	6.88	4,124	714	2.7	6.83	7,412	25.1	6.82
	16:17	442	8	8,831	571	143.6	6.88	10,243	680	1	6.82	0	0	0
	16:32	447	8.5	8,777	995	144.8	6.88	10,201	677	1.2	6.81	0	0	0
	16:47	444	8.2	13,278	598	137.7	6.88	3,820	767	3.5	6.81	7,919	25.6	6.81

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:02	440	8.8	8,836	587	141.6	6.87	10,224	679	1.1	6.81	0	0	0
	17:17	444	8.7	8,858	995	140.8	6.86	10,060	671	1.6	6.8	0	0	0
	17:32	438	8.5	13,104	586	129.2	6.86	4,211	728	3.8	6.81	7,388	29.2	6.8
	17:47	0	8.6	8,774	587	131.2	6.86	10,205	678	1	6.8	0	0	0
	18:02	437	8.5	9,096	995	120	6.86	9,605	663	1.6	6.8	369	15.4	6.8
	18:17	0	7.6	13,810	995	118.6	6.87	3,102	723	3.9	6.81	8,498	25.3	6.8
	18:32	439	6.7	12,153	575	116.5	6.88	5,646	750	2.9	6.82	6,116	16.3	6.81
	18:47	446	7.3	8,724	574	114.6	6.86	10,082	675	1	6.81	0	0	0
	19:02	432	7.4	10,013	995	133.2	6.88	7,978	668	1.1	6.81	2,175	39	6.81
	19:17	444	7.4	11,883	577	135	6.89	5,932	743	2.3	6.83	5,682	18.4	6.83
	19:32	445	8	8,643	579	136.8	6.9	10,081	673	0.9	6.83	0	0	0
	19:47	0	7.5	10,259	995	137.9	6.9	7,536	656	1.4	6.83	2,584	40.3	6.83
	20:02	434	7.3	11,598	571	133.6	6.89	6,464	734	2.2	6.84	5,162	17	6.83
	20:17	440	7.9	8,644	571	135.8	6.89	10,034	668	0.9	6.83	0	0	0
	20:32	435	8	10,435	995	136.8	6.88	7,368	637	1.3	6.81	2,575	44	6.81
	20:47	441	8.1	11,254	568	131.1	6.89	6,604	723	2.3	6.83	4,804	16.8	6.82
	21:02	0	8	8,585	564	127.7	6.89	10,023	665	0.9	6.83	0	0	0
	21:17	438	6.8	10,776	995	114.9	6.89	6,562	657	1.1	6.83	3,707	36.6	6.83
	21:32	432	7.1	10,944	585	111.3	6.9	7,207	721	2.1	6.85	4,245	15.6	6.83
	21:47	438	7.6	8,562	578	124	6.9	10,025	666	0.8	6.85	0	0	0
	22:02	433	7.7	10,988	995	131.3	6.9	6,427	634	1.2	6.85	3,578	32.6	6.85
	22:17	442	7.9	10,582	559	143.3	6.9	7,785	711	2.1	6.85	3,502	13.9	6.85
	22:32	443	8.4	8,515	578	145.2	6.89	9,901	659	0.8	6.83	0	0	0
	22:47	441	7.5	11,237	873	143.1	6.88	5,921	624	1.1	6.83	4,073	32.8	6.83
	23:02	435	7.8	10,263	566	140	6.88	8,158	705	1.8	6.83	3,064	14.1	6.83
	23:17	434	8.4	8,468	560	152.8	6.87	9,892	660	0.8	6.81	0	0	0
	23:32	431	7.4	11,528	890	159.5	6.86	5,164	651	1	6.8	5,206	29.7	6.8
	23:47	443	7.8	10,018	559	163.7	6.85	8,388	701	1.9	6.8	2,777	16.8	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		456	7.75	1,013,923	716	148.3	6.85	754,543	708	2.4	6.80	263,897	29.6	6.80
MAXIMUM		478	8.80	14,086	995	182.6	6.90	11,230	945	5.5	6.85	12,161	49.4	6.85
MINIMUM		431	6.30	8,213	276	106.3	6.78	696	624	0.8	6.73	284	7.9	6.73
9/27/2020														
	0:02	439	8.4	8,383	579	173.4	6.83	9,838	655	0.8	6.78	0	0	0
	0:17	439	7.3	11,807	874	169.8	6.83	4,953	609	1.4	6.77	4,970	31.6	6.77
	0:32	437	7.7	9,617	549	165.4	6.83	8,783	688	1.8	6.78	2,172	16.1	6.78
	0:47	443	8.3	8,273	557	173	6.83	9,632	643	0.8	6.77	0	0	0
	1:02	443	7.4	11,945	821	171.6	6.83	4,503	595	1.1	6.76	5,512	27.4	6.76
	1:17	439	7.9	9,233	544	168.3	6.83	9,194	679	1.7	6.78	1,493	14.7	6.78
	1:32	446	8.5	8,203	532	172.3	6.83	9,531	637	0.8	6.77	0	0	0
	1:47	445	7.4	12,168	770	165	6.83	3,717	622	1	6.76	6,897	26.3	6.77
	2:02	446	7.9	8,975	541	159.4	6.83	9,391	671	1.8	6.78	995	14.7	6.78
	2:17	434	8.4	8,118	533	162.4	6.83	9,508	632	0.8	6.78	0	0	0
	2:32	0	7	12,374	630	158.4	6.85	3,352	593	1.4	6.78	7,230	25.1	6.78
	2:47	438	7.5	8,737	538	148.9	6.85	9,837	665	1.7	6.8	249	10.4	6.79
	3:02	437	8.1	8,204	552	153.8	6.85	9,555	633	0.9	6.78	0	0	0
	3:17	434	7.9	12,642	597	149.3	6.85	3,112	631	1.3	6.78	7,953	27.4	6.79
	3:32	433	8.4	8,626	554	155.2	6.86	9,973	667	1.8	6.81	0	0	0
	3:47	0	8.2	8,277	545	152.6	6.86	9,567	638	0.9	6.81	0	0	0
	4:02	437	6.8	12,832	578	135.1	6.86	3,232	642	2.4	6.81	7,837	26.5	6.81
	4:17	446	7.4	8,500	555	131.4	6.86	9,704	654	1.6	6.81	0	0	0
	4:32	435	7.9	8,226	553	143.2	6.86	9,552	637	0.9	6.81	0	0	0
	4:47	441	7.7	12,912	582	144.5	6.87	3,679	634	2.5	6.81	7,318	28.2	6.81
	5:02	448	8.2	8,374	534	150.4	6.87	9,689	645	1.5	6.83	0	0	0
	5:17	0	8.6	8,199	545	151.3	6.87	9,560	635	1	6.82	0	0	0
	5:32	440	7	13,020	551	142.7	6.88	3,240	708	3.4	6.82	8,216	30.6	6.82
	5:47	442	7.6	8,277	547	137.3	6.86	9,529	638	1.4	6.83	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	6:02	439	8.2	8,183	870	146.6	6.86	9,462	630	1	6.81	0	0	0
	6:17	427	7.9	13,021	552	147.2	6.87	3,750	679	3.7	6.82	7,578	28.1	6.82
	6:32	429	8.5	8,203	532	150.6	6.86	9,457	630	1.5	6.83	0	0	0
	6:47	0	7.7	8,134	958	146	6.87	9,394	626	1.1	6.83	0	0	0
	7:02	436	6.6	13,003	542	126.3	6.88	3,501	637	3.6	6.83	7,526	30	6.82
	7:17	434	7.1	8,067	530	123.3	6.87	9,320	622	1.3	6.83	0	0	0
	7:32	434	7.6	8,008	995	132.6	6.88	9,259	618	1.1	6.83	0	0	0
	7:47	441	7.8	13,019	0	133.9	6.9	3,172	701	4.3	6.86	8,228	29.7	6.84
	8:02	440	7.8	9,332	830	145.3	6.9	9,582	941	4.7	6.87	1,254	10.4	6.87
	8:17	429	7.7	12,266	995	135.6	6.9	11,834	948	7.1	6.87	1,852	12	6.87
	8:32	436	7.7	13,731	0	139	6.9	4,232	943	8.3	6.88	8,576	36.5	6.87
	8:47	438	7.7	10,158	811	118	6.91	11,364	925	8.8	6.88	340	9.6	6.88
	9:02	0	6.5	12,364	885	100.4	6.91	3,003	925	8.7	6.88	8,313	33.2	6.88
	9:17	443	6	14,009	705	89.7	6.91	1,845	915	7.3	6.9	10,514	27	6.89
	9:32	436	6.3	10,011	666	110.7	6.92	11,463	766	3.4	6.9	0	0	0
	9:47	448	6.6	9,777	983	111.6	6.93	11,233	747	6.8	6.9	0	0	0
	10:02	444	6.3	13,603	673	108.7	6.94	3,802	767	7.7	6.91	8,010	34.6	6.9
	10:17	445	6.7	9,929	640	109.5	6.94	11,458	761	2.5	6.92	0	0	0
	10:32	430	7	9,760	995	112	6.94	11,155	746	4.4	6.91	0	0	0
	10:47	431	6.7	13,634	672	109.4	6.94	3,780	792	6.2	6.91	8,078	32.3	6.9
	11:02	443	7	9,846	662	110	6.93	11,294	752	2.3	6.91	0	0	0
	11:17	446	7.3	9,766	995	112.3	6.93	11,176	741	3.3	6.9	0	0	0
	11:32	436	7.1	13,639	674	113.2	6.93	3,823	759	5.3	6.9	7,837	32.9	6.9
	11:47	441	7.3	9,804	652	114.2	6.93	11,152	743	2.2	6.9	0	0	0
	12:02	448	7.7	9,925	995	117.9	6.93	10,716	722	2.6	6.9	0	0	0
	12:17	448	7.5	13,392	641	120.3	6.93	4,203	796	4.8	6.9	7,757	32.1	6.89
	12:32	430	7.8	9,700	652	124.2	6.93	11,079	737	2	6.9	0	0	0
	12:47	439	8	10,120	995	123.8	6.93	10,473	708	2.8	6.88	172	23.8	6.88
	13:02	437	7.9	13,200	655	121.6	6.93	4,583	832	4.6	6.88	7,546	32	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	433	8.2	9,719	657	121.9	6.92	11,011	737	2.1	6.88	0	0	0
	13:32	436	8.5	10,338	995	117.4	6.93	9,945	710	2.9	6.88	699	47	6.88
	13:47	424	8.2	13,018	653	118.1	6.93	4,929	825	5.4	6.9	7,250	30.1	6.88
	14:02	437	8.6	9,670	636	118	6.93	11,011	733	2.2	6.9	0	0	0
	14:17	0	8.4	10,587	995	115.2	6.93	9,443	705	2.7	6.89	1,087	48.4	6.88
	14:32	0	6.7	12,715	642	111.5	6.94	5,412	809	4.3	6.9	6,635	28.4	6.89
	14:47	439	6.1	10,397	650	98.9	6.94	9,390	751	3.1	6.9	2,435	34.2	6.9
	15:02	433	6.2	10,786	995	108.2	6.93	8,909	700	3.3	6.89	1,589	49.6	6.88
	15:17	429	6.1	12,505	652	135.4	6.94	5,809	801	6.1	6.9	6,293	28	6.88
	15:32	438	6.5	9,585	647	142.5	6.96	10,917	728	5.2	6.91	0	0	0
	15:47	433	6.4	11,584	995	145.9	6.97	6,191	726	8.4	6.92	5,270	44.1	6.92
	16:02	432	6.3	12,339	644	149.5	6.98	6,223	800	6.6	6.93	5,979	32.9	6.92
	16:17	436	6.5	10,991	891	142.8	6.98	6,617	728	4.8	6.93	5,858	24.8	6.93
	16:32	439	6.2	13,698	995	144.3	6.99	0	0	0	0	13,335	27.1	6.93
	16:47	438	6.2	12,144	632	155.3	6.99	6,858	809	6.1	6.95	5,440	34.7	6.95
	17:02	434	6.6	9,587	630	153.8	6.98	10,940	730	5.1	6.94	0	0	0
	17:17	434	6.5	12,232	995	145.5	6.99	4,526	730	8.5	6.93	7,169	43.2	6.93
	17:32	442	6.5	11,912	646	144.5	6.99	7,289	806	4.9	6.95	5,122	32.6	6.94
	17:47	441	6.9	9,601	661	144.7	6.99	10,992	732	4.1	6.95	0	0	0
	18:02	436	6.8	11,704	995	143.7	6.99	6,972	699	7.9	6.95	3,570	47.5	6.95
	18:17	442	6.9	11,791	630	147.1	7	7,692	809	4.6	6.97	4,879	29.3	6.95
	18:32	432	7.3	9,547	644	149.5	7	10,967	731	3.4	6.96	0	0	0
	18:47	435	7.1	11,918	866	149.8	7	6,431	697	6.7	6.95	4,134	46.5	6.95
	19:02	439	7.2	11,411	620	151.6	7	8,295	792	4.2	6.97	4,063	29.5	6.95
	19:17	441	7.7	9,533	641	152.1	6.99	10,970	731	3.1	6.95	0	0	0
	19:32	428	7.6	12,117	904	149.9	6.99	6,084	691	5.9	6.95	4,543	43	6.94
	19:47	441	7.7	11,262	634	147.1	6.99	8,437	784	2.6	6.95	3,956	28.5	6.95
	20:02	0	8	9,556	634	157.3	6.99	10,880	726	1.5	6.95	0	0	0
	20:17	0	6.2	12,364	878	151.6	6.99	5,426	681	3.7	6.93	4,950	41.6	6.93

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	20:32	0	5.7	7,446	0	141.7	6.98	5,626	805	2.9	6.95	2,736	25.7	6.93
	21:32	442	6.6	7,665	628	139.9	6.94	8,642	775	2.3	6.92	35	2.4	6.93
	21:47	430	6.8	9,501	995	138.4	6.96	10,852	724	1.5	6.91	0	0	0
	22:02	440	6.5	13,590	627	149.2	6.96	4,069	762	3.9	6.93	7,763	35.5	6.92
	22:17	434	6.8	9,595	631	161.8	6.96	10,935	727	1.3	6.93	0	0	0
	22:32	441	7.1	9,693	995	165.5	6.96	10,411	704	3.6	6.93	0	0	0
	22:47	433	6.9	13,474	648	162.2	6.96	4,136	810	4.8	6.93	7,954	38.5	6.92
	23:02	438	7.3	9,499	634	162.2	6.96	10,811	721	1.6	6.93	0	0	0
	23:17	430	7.5	9,856	995	157.8	6.96	10,209	692	4	6.92	178	38.9	6.92
	23:32	436	7.4	13,219	623	152.2	6.95	4,292	824	4.5	6.93	7,757	38	6.92
	23:47	430	7.8	9,396	631	145.6	6.94	10,737	716	1.6	6.93	0	0	0
	AVERAGES/TOTALS	438	7.31	991,071	715	139.6	6.92	732,482	725	3.5	6.88	285,102	30.2	6.88
	MAXIMUM	448	8.60	14,009	995	173.4	7.00	11,834	948	8.8	6.97	13,335	49.6	6.95
	MINIMUM	424	5.70	7,446	530	89.7	6.83	1,845	593	0.8	6.76	35	2.4	6.76
9/28/2020														
	0:02	0	6.5	10,048	995	140.8	6.94	9,557	683	3.6	6.92	678	47.2	6.92
	0:17	0	5.7	9,692	0	125.6	6.95	1,176	932	7.1	6.93	7,257	36.4	6.92
	1:17	437	6.6	9,490	636	122.7	6.93	8,968	765	2.5	6.91	1,775	12.5	6.92
	1:32	446	6.9	9,322	620	135.4	6.93	10,622	708	1.9	6.91	0	0	0
	1:47	430	6.6	13,203	734	146	6.95	3,334	660	5	6.92	7,980	38.1	6.92
	2:02	443	6.9	9,768	613	152.4	6.94	11,183	746	2.4	6.93	0	0	0
	2:17	445	7.4	9,224	611	153.3	6.94	10,544	702	2.9	6.92	0	0	0
	2:32	442	7.1	13,371	711	150.9	6.94	3,267	679	6.4	6.92	8,235	39.9	6.92
	2:47	433	7.4	9,619	611	153.5	6.94	10,902	730	2.3	6.93	0	0	0
	3:02	432	7.9	9,220	811	153.1	6.93	10,517	700	2.4	6.92	0	0	0
	3:17	427	7.5	13,450	670	147.6	6.94	3,344	743	5.2	6.92	8,370	37	6.92
	3:32	436	7.9	9,415	616	142.7	6.94	10,723	716	1.9	6.92	0	0	0
	3:47	0	8	9,156	939	136.2	6.94	10,425	697	2.1	6.92	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:02	0	6.1	13,448	631	126.6	6.94	3,429	720	5.2	6.93	8,270	37.1	6.92
	4:17	0	5.7	6,734	0	110.3	6.94	7,595	707	1.8	6.94	170	4.1	6.92
	5:17	443	6.5	8,274	598	108	6.92	7,660	763	3.4	6.91	1,764	13.7	6.92
	5:32	440	6.4	11,907	885	115.2	6.92	5,627	646	2.4	6.9	4,472	42.5	6.9
	5:47	439	6.5	10,845	603	126.5	6.93	8,470	753	2.5	6.93	3,495	28.2	6.92
	6:02	445	7	9,040	582	127.3	6.93	10,330	688	1.5	6.93	0	0	0
	6:17	442	6.9	12,093	883	127.9	6.94	5,074	665	3.6	6.94	5,191	39.7	6.94
	6:32	438	7.1	10,525	603	131.1	6.94	8,994	745	2.4	6.94	2,923	26.7	6.94
	6:47	435	7.6	8,985	594	129.9	6.94	10,232	683	1.4	6.94	0	0	0
	7:02	436	7.5	12,328	888	125.7	6.94	4,602	633	3.4	6.94	841	41.7	6.94
	7:17	444	7.7	10,230	580	124.7	6.94	9,145	735	2.6	6.95	2,208	27.2	6.94
	7:32	435	8	9,076	995	120.8	6.94	9,886	676	1.5	6.94	298	28.1	6.94
	7:47	441	7.9	12,990	570	117.3	6.94	3,133	695	3.8	6.94	8,408	35.4	6.94
	8:02	426	8.4	8,481	569	114.9	6.94	8,862	591	1.3	6.94	0	0	0
	8:17	0	7.9	8,888	995	109.2	6.94	8,595	576	1.4	6.94	0	0	0
	8:32	441	6.8	12,644	995	98.7	6.94	3,376	678	3.5	6.95	6,869	35.1	6.94
	8:47	995	7	12,721	0	92.4	6.94	1,695	750	4.3	6.95	8,082	22	6.95
	9:02	819	7.3	7,518	636	117.9	6.94	7,761	677	2.6	6.95	16	1.2	6.95
	9:17	793	7.5	10,139	715	95.4	6.96	10,495	702	3.5	6.95	0	0	0
	9:32	804	7.2	13,346	712	128.7	6.96	2,608	741	7.1	6.97	7,888	32.5	6.96
	9:47	807	7.5	9,773	635	175.1	6.96	9,854	672	3.5	6.97	220	9.6	6.97
	10:02	813	7.8	9,877	785	150.8	6.96	7,674	655	7.1	6.95	2,928	34.4	6.95
	10:17	823	7.4	13,586	698	134.3	6.96	233	909	8.2	6.95	10,686	35.8	6.95
	10:32	827	7.7	9,708	622	125.7	6.96	10,258	684	2.7	6.95	0	0	0
	10:47	810	8.1	9,264	620	120.2	6.97	9,933	661	3.9	6.95	0	0	0
	11:02	814	7.9	13,037	674	111.3	6.98	3,127	640	7	6.96	6,941	36.1	6.95
	11:17	822	8.2	9,633	652	108.9	6.98	10,197	680	2.3	6.97	0	0	0
	11:32	814	8.6	9,299	610	107.9	6.98	9,995	663	2.5	6.97	0	0	0
	11:47	810	8.3	13,150	658	113.1	6.98	3,034	638	5.2	6.97	6,970	35.5	6.96

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	824	8.7	9,531	604	120.5	6.99	10,169	678	2	6.97	0	0	0
	12:17	0	8.5	9,289	947	108.8	6.99	10,011	665	2.5	6.97	0	0	0
	12:32	799	7.2	13,126	659	91.8	6.99	3,528	658	4.5	6.98	6,561	31.5	6.97
	12:47	824	7.6	9,404	609	87.2	6.99	10,037	670	1.6	6.98	0	0	0
	13:02	789	7.9	9,236	976	94.3	7.01	9,972	666	1.4	6.98	0	0	0
	13:17	824	7.7	13,175	641	96.2	7.01	3,463	659	3.6	6.98	6,679	29.9	6.98
	13:32	825	8	9,439	610	104.6	7.01	10,139	674	1.5	6.98	0	0	0
	13:47	838	8.3	9,422	995	103.5	7.01	10,444	695	1.5	6.99	0	0	0
	14:02	814	8	13,519	657	95.7	7.01	4,137	760	3.8	6.99	7,435	29.7	6.99
	14:17	791	8.3	9,684	649	90	7.01	11,120	741	1.5	6.99	0	0	0
	14:32	813	8.5	9,751	995	85.4	7.01	10,817	723	1.3	6.98	0	0	0
	14:47	829	8.2	13,356	644	82.6	7.01	4,239	793	3.8	6.98	7,528	28.6	6.97
	15:02	807	8.6	9,654	656	59.7	6.99	11,165	742	3.1	6.97	0	0	0
	15:17	816	8.8	10,030	995	76.9	7	10,535	711	0.8	6.97	132	10.6	6.96
	15:32	0	7.1	13,025	637	75.6	7.01	4,715	817	2.4	6.98	7,112	26.4	6.97
	15:47	0	6	9,501	631	69.2	7.01	10,960	731	0.6	6.98	0	0	0
	16:02	0	5.7	5,385	0	63.9	7.01	6,204	727	0.5	6.97	54	2.7	6.97
	16:32	826	6	11,242	849	74.8	6.99	3,931	701	2.7	6.97	763	23.9	6.97
	16:47	824	6.1	10,480	618	91.5	7	0	0	1.4	6.98	0	17	6.97
	17:02	827	6.4	9,452	625	98.5	7.02	0	0	0.7	6.99	0	0	0
	17:17	820	6.2	12,579	826	99	7.02	0	0	1.3	7	0	32.4	7
	17:32	809	6.4	10,342	634	104.8	7.02	0	0	1.6	7.01	0	21.4	7
	17:47	792	6.8	9,430	618	103.2	7.04	0	0	0.8	7	0	0	0
	18:02	805	6.5	12,738	795	101.9	7.04	0	0	1.8	7	0	33.1	7
	18:17	806	6.7	10,092	616	103.2	7.04	0	0	1.6	7.02	0	20.7	7.01
	18:32	796	7.1	9,385	614	103	7.04	0	0	0.8	7.01	0	0	0
	18:47	806	6.8	12,838	768	101.3	7.04	0	0	1.7	7	0	32.5	7.01
	19:02	801	7.1	9,921	630	103.4	7.04	0	0	1.7	7.02	0	12.3	7.02
	19:17	0	6.7	9,313	618	103.6	7.04	0	0	0.9	7.01	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:32	0	5.7	10,697	0	93.5	7.04	0	0	1.8	7	0	33.7	7
	20:47	801	6.2	6,670	0	99.8	7.01	4,384	833	3.3	6.98	2,826	39.8	6.98
	21:02	788	6.5	6,999	617	97.5	7	8,011	766	2.3	6.97	0	1	6.97
	21:17	804	6.7	9,295	978	108.8	7	10,722	713	1.2	6.97	0	0	0
	21:32	799	6.3	13,490	657	112.6	7	3,773	732	3.4	6.97	7,732	34.3	6.97
	21:47	802	6.6	9,449	622	119.1	6.99	10,787	723	1.2	6.97	0	0	0
	22:02	812	6.9	9,262	995	123.6	6.99	10,597	708	1.8	6.97	0	0	0
	22:17	789	6.6	13,538	621	122.8	6.98	3,831	740	4.1	6.96	7,686	35.1	6.95
	22:32	807	7	9,286	620	127.7	6.98	10,660	712	1.3	6.95	0	0	0
	22:47	819	7.3	9,270	995	126.6	6.98	10,393	698	2.1	6.95	0	0	0
	23:02	804	7	13,413	608	124.4	6.98	3,807	753	4.1	6.95	7,839	37.2	6.94
	23:17	810	7.4	9,120	604	125.6	6.96	10,556	701	1.3	6.95	0	0	0
	23:32	0	7.1	9,410	995	125.7	6.96	10,130	677	2.3	6.93	0	0	0
	23:47	0	5.6	13,154	0	114.9	6.96	4,013	794	3.6	6.94	7,905	36.2	6.93
	AVERAGES/TOTALS	692	7.20	889,909	718	113.8	6.98	553,686	710	2.8	6.96	193,187	28.1	6.96
	MAXIMUM	995	8.80	13,586	995	175.1	7.04	11,183	932	8.2	7.02	10,686	47.2	7.02
	MINIMUM	426	5.60	5,385	569	59.7	6.92	233	576	0.5	6.90	16	1.0	6.90
9/29/2020														
	0:02	0	5.8	905	0	109.5	6.96	1,034	699	1.6	6.94	5	3.6	6.93
	0:47	794	6.3	2,277	683	125.5	6.93	1,047	798	6.1	6.93	1,540	11.2	6.93
	1:02	795	6.5	9,537	603	105	6.93	11,005	736	1.4	6.92	0	0	0
	1:17	805	6.4	11,444	995	123.2	6.94	6,402	654	2.3	6.92	3,682	46	6.92
	1:32	814	6.4	11,107	602	134.4	6.94	8,007	761	2.3	6.93	3,952	27.9	6.92
	1:47	802	6.9	8,928	594	139	6.94	10,311	689	1.4	6.92	0	0	0
	2:02	814	6.7	11,649	852	136.8	6.94	5,802	648	3.7	6.92	4,203	44.7	6.92
	2:17	792	6.9	10,792	588	137.8	6.94	8,246	748	2.5	6.93	3,619	27.8	6.92
	2:32	809	7.3	8,864	594	135.6	6.94	10,236	684	1.5	6.92	0	0	0
	2:47	804	7.2	11,823	871	132.3	6.94	5,442	637	3.5	6.92	4,638	42.4	6.92

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:02	808	7.4	10,467	591	131.6	6.94	8,436	735	2.4	6.93	3,305	27.9	6.92
	3:17	823	7.8	8,770	595	129.2	6.94	10,163	677	1.4	6.92	0	0	0
	3:32	0	6.5	12,097	887	124.6	6.94	4,647	666	3	6.92	5,693	40.1	6.92
	3:47	0	5.7	10,020	0	111.1	6.94	8,748	716	2.2	6.92	2,716	27	6.92
	4:47	811	6.3	2,665	633	120.7	6.91	1,936	849	6.9	6.9	1,084	11.2	6.9
	5:02	803	6.6	8,952	577	108.8	6.91	10,371	691	1.7	6.89	0	0	0
	5:17	791	6.3	13,172	616	126.6	6.91	3,344	662	4.5	6.89	7,877	38.2	6.89
	5:32	782	6.6	8,867	570	138.6	6.92	10,225	684	1.7	6.9	0	0	0
	5:47	798	7	8,527	878	143.2	6.93	9,883	658	2.2	6.9	0	0	0
	6:02	820	6.7	13,300	614	140.8	6.93	3,443	681	5.1	6.9	7,929	38.7	6.9
	6:17	819	7.1	8,639	557	143.9	6.93	9,970	666	1.7	6.91	0	0	0
	6:32	813	7.6	8,464	995	141.8	6.93	9,779	649	2	6.9	0	0	0
	6:47	817	7.2	13,321	579	136.6	6.93	3,123	769	4.7	6.9	8,641	38.1	6.9
	7:02	801	7.7	8,477	564	137.5	6.92	9,771	654	1.4	6.9	0	0	0
	7:17	799	8.1	8,345	995	134	6.91	9,615	642	1.9	6.9	0	0	0
	7:32	801	7.8	13,345	592	129.9	6.92	3,293	733	4.7	6.9	8,309	35.9	6.9
	7:47	819	8.3	8,325	561	130.3	6.91	9,603	643	1.4	6.9	0	0	0
	8:02	0	7.7	8,352	995	126.1	6.91	9,437	635	1.7	6.89	0	0	0
	8:17	828	6.2	13,173	544	110.4	6.91	3,491	684	4.3	6.89	7,896	36.2	6.88
	8:32	797	6.7	8,139	532	104.3	6.91	9,367	627	1.2	6.89	0	0	0
	8:47	793	7	8,409	995	115.5	6.91	8,859	617	1.4	6.88	498	35.1	6.88
	9:02	796	6.8	12,895	534	119.6	6.92	3,726	746	4.2	6.9	7,875	35	6.89
	9:17	788	7.3	8,042	526	133.3	6.92	9,368	622	1.3	6.9	0	0	0
	9:32	0	7.2	8,622	995	146.2	6.93	8,507	607	2.5	6.9	689	26	6.9
	9:47	0	5.7	12,535	529	113.1	6.93	3,940	712	3.6	6.91	7,569	37.5	6.9
	10:02	0	5.8	2,621	0	92.9	6.93	3,039	605	1.3	6.91	0	3.1	6.9
	11:17	800	6.5	6,143	537	107.3	6.9	5,051	725	2.6	6.88	1,985	13.6	6.88
	11:32	803	6.7	8,564	995	143.3	6.9	8,270	602	1.4	6.87	883	29.2	6.87
	11:47	807	6.5	11,087	805	167.3	6.92	713	945	6.5	6.9	9,123	33.3	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	799	6.1	13,353	738	163.2	6.93	2,502	913	7.3	6.9	9,113	31.9	6.9
	12:17	795	6.2	10,502	613	162.5	6.94	7,100	661	1.8	6.92	3,236	29.3	6.91
	12:32	807	6.5	9,309	995	153.8	6.95	9,807	652	2	6.92	0	0	0
	12:47	782	6.3	13,131	698	136.4	6.96	2,446	756	4.1	6.93	7,861	31.9	6.92
	13:02	809	6.4	10,417	995	125.1	6.97	9,762	709	2.6	6.93	899	5.7	6.94
	13:17	783	6.1	13,287	641	120.2	6.98	3,832	804	5.1	6.95	7,194	34.6	6.94
	13:32	791	6.4	9,661	646	99.7	6.99	10,860	725	5.3	6.95	0	0	0
	13:47	801	6.3	12,452	863	85.3	7	5,375	686	8.5	6.96	4,771	39.2	6.96
	14:02	817	6.4	10,707	639	88.5	7.01	9,301	756	2.4	6.97	2,589	26.3	6.97
	14:17	803	6.7	9,549	621	97.9	7.02	10,808	721	3.4	6.98	0	0	0
	14:32	797	6.5	12,566	847	96.6	7.03	4,928	679	6.7	6.98	5,324	36.4	6.98
	14:47	790	6.7	10,440	634	100.7	7.04	9,762	751	2.3	6.99	1,932	23.7	6.98
	15:02	788	7	9,611	626	106.4	7.03	10,792	716	2.7	6.98	0	0	0
	15:17	777	6.7	13,248	655	117.2	7.04	3,589	703	5.7	6.98	7,348	34.2	6.98
	15:32	801	7	9,755	640	121.2	7.04	10,976	730	1.7	7	0	0	0
	15:47	791	7.3	9,518	616	118.3	7.04	10,735	716	2.8	6.98	0	0	0
	16:02	805	6.9	13,353	665	115.6	7.04	1,819	370	5.2	6.98	846	33.3	6.98
	16:17	794	7.2	9,672	636	113.2	7.04	0	0	1.4	6.99	0	0	0
	16:32	787	7.6	9,497	977	111.7	7.04	0	0	1.8	6.98	0	0	0
	16:47	784	7.2	13,347	657	112.4	7.04	0	0	4.1	6.98	0	31	6.98
	17:02	793	7.5	9,541	622	118.2	7.03	0	0	1.4	6.98	0	0	0
	17:17	795	7.8	9,431	995	116.6	7.02	0	0	2.2	6.97	0	0	0
	17:32	790	7.5	13,386	644	115.1	7.02	0	0	4.2	6.97	0	29.6	6.96
	17:47	791	7.8	9,515	638	118	7.02	0	0	1.3	6.97	0	0	0
	18:02	793	8.1	9,412	995	120	7.02	0	0	2	6.96	0	0	0
	18:17	791	7.8	13,426	632	126.7	7.01	0	0	3.9	6.96	0	31.1	6.95
	18:32	790	8.1	9,458	623	134.1	7.01	0	0	1.4	6.95	0	0	0
	18:47	781	8.3	9,613	995	136.9	7	0	0	3.6	6.94	0	0	0
	19:02	789	8	13,218	615	138.1	6.99	0	0	4	6.93	0	32.3	6.93

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:17	0	7.2	8,314	645	144.9	6.98	4,947	508	3.6	6.93	2,021	11.9	6.92
	19:32	0	6	9,524	911	117.9	6.97	11,026	738	4.2	6.92	0	0	0
	19:47	805	6.2	6,719	836	96	6.96	1,679	616	5.5	6.9	3,671	32.8	6.9
	20:02	791	6.4	10,366	628	134.6	6.95	10,438	776	2.8	6.9	1,494	24.6	6.9
	20:17	802	6.5	9,975	905	155.9	6.96	9,515	733	6.7	6.9	1,978	31.7	6.9
	20:32	773	6.1	13,958	896	152.8	6.96	0	0	0	0	13,186	30.2	6.9
	20:47	798	6.1	11,429	641	163.2	6.96	8,430	808	3.6	6.91	4,044	28.1	6.9
	21:02	801	6.4	9,638	906	166.7	6.96	11,360	757	4.5	6.9	0	0	0
	21:17	803	6	13,734	904	157.4	6.96	1,315	755	9.1	6.9	11,401	35.3	6.9
	21:32	789	6	11,384	654	161.2	6.96	9,186	817	3.5	6.91	3,518	27.7	6.9
	21:47	0	6.5	9,662	0	164.9	6.96	11,434	761	5	6.9	0	0	0
	22:02	795	5.8	8,403	70	161.8	6.95	560	746	9.7	6.9	7,955	37	6.89
	22:17	786	6.1	6,178	995	141	6.94	2,076	829	8.1	6.88	3,831	38.6	6.89
	22:32	800	5.8	12,947	617	153.7	6.94	4,501	789	3.4	6.88	7,869	30.9	6.88
	22:47	793	6	9,347	610	170.9	6.94	10,447	699	2	6.88	0	0	0
	23:02	787	5.9	11,475	995	167.1	6.94	5,882	693	6.8	6.88	4,890	40	6.88
	23:17	783	5.9	11,668	618	168.9	6.94	7,397	781	3.2	6.88	4,694	28.4	6.88
	23:32	801	6.2	9,343	995	171.1	6.93	10,659	711	4.5	6.87	0	0	0
	23:47	777	5.8	13,820	676	162.2	6.93	3,624	902	7.3	6.87	9,107	34.1	6.86
	AVERAGES/TOTALS	798	6.76	879,920	721	130.7	6.96	516,520	708	3.5	6.92	234,483	30.0	6.91
	MAXIMUM	828	8.30	13,958	995	171.1	7.04	11,434	945	9.7	7.00	13,186	46.0	6.98
	MINIMUM	773	5.70	905	70	85.3	6.90	560	370	1.2	6.87	5	3.1	6.86
9/30/2020														
	0:02	799	6	9,790	647	166.6	6.93	11,450	768	3.4	6.87	0	0	0
	0:17	795	5.7	13,116	865	159.2	6.93	3,553	744	8.1	6.87	8,601	36.6	6.87
	0:32	0	7.4	1,849	0	163	6.93	995	995	9.2	6.87	998	14.8	6.87
	0:47	0	6.7	1,514	831	198.4	6.93	382	816	7.8	6.87	1,246	10.7	6.87
	1:02	788	6.1	10,714	690	109.4	6.93	12,209	828	3.9	6.87	249	9.9	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	1:17	779	6.1	9,942	995	116.8	6.91	11,576	772	5.4	6.87	0	0	0
	1:32	776	5.7	13,619	665	148.4	6.91	4,041	876	5.2	6.87	8,920	32.5	6.87
	1:47	785	5.9	9,708	627	168.5	6.91	11,245	753	3.4	6.87	0	0	0
	2:02	787	5.7	13,155	716	165.4	6.91	2,827	755	8.3	6.86	7,918	34	6.86
	2:17	773	6.9	3,590	694	186	6.91	3,749	747	4.7	6.86	54	2.7	6.86
	2:32	781	7.1	9,443	598	171.9	6.91	10,144	679	4.9	6.85	0	0	0
	2:47	790	6.7	13,110	791	148.7	6.9	2,292	656	8.9	6.85	9,418	34.6	6.85
	3:02	771	6.8	10,316	638	153.4	6.9	11,490	789	3.2	6.85	498	17.1	6.85
	3:17	792	6.7	11,331	995	146.1	6.9	7,248	740	6.6	6.85	4,131	43.2	6.84
	3:32	789	6.6	12,145	656	150.1	6.9	7,189	821	3.5	6.85	5,354	26	6.84
	3:47	782	6.9	9,561	995	149.5	6.9	11,092	738	4.9	6.84	0	0	0
	4:02	794	6.5	13,829	676	141.6	6.9	2,880	894	6.3	6.85	9,745	35	6.83
	4:17	787	6.8	9,696	623	147.7	6.9	11,241	749	2.7	6.84	0	0	0
	4:32	800	6.6	12,215	900	142.5	6.89	5,536	733	7.2	6.83	5,669	36.2	6.83
	4:47	769	6.6	11,007	615	149.8	6.9	9,326	796	3.3	6.85	3,092	24.4	6.83
	5:02	782	6.7	10,487	995	144.7	6.89	8,625	733	6	6.83	2,829	41	6.83
	5:17	774	6.4	13,157	635	142.4	6.9	4,849	848	4.4	6.85	7,571	33.3	6.83
	5:32	780	6.7	9,522	614	147.3	6.9	11,076	734	3.9	6.85	0	0	0
	5:47	790	6.4	13,568	786	139.9	6.9	1,825	729	8.9	6.84	10,449	36	6.84
	6:02	785	6.5	10,127	638	146.5	6.9	11,511	780	3.6	6.85	249	9.8	6.85
	6:17	802	6.4	11,676	995	137	6.9	5,989	729	7	6.84	5,626	44	6.83
	6:32	773	6.3	12,098	636	143.2	6.9	7,092	811	3.9	6.85	5,376	26.1	6.85
	6:47	793	6.5	9,750	995	142.5	6.9	9,793	729	5.5	6.85	1,457	33.4	6.85
	7:02	794	6.2	13,922	658	137.1	6.91	2,952	910	6.1	6.85	9,655	35.3	6.85
	7:17	773	6.5	9,516	611	146.6	6.9	11,055	736	3.7	6.85	0	0	0
	7:32	792	6.1	13,271	995	134.8	6.91	2,527	725	8.4	6.85	8,916	37	6.85
	7:47	782	5.5	14,743	995	127.1	6.91	0	710	10	6.86	10,447	27.2	6.85
	8:02	781	5.6	10,523	995	150.1	6.92	6,161	733	6	6.86	3,892	28.6	6.86
	8:17	787	5.4	13,043	611	128.1	6.93	4,566	750	3.1	6.88	6,534	30.6	6.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:32	761	5.7	9,092	610	143.3	6.94	10,183	682	2.7	6.89	0	0	0
	8:47	770	5.5	12,681	759	148.9	6.94	3,365	677	7.9	6.88	7,013	33	6.88
	9:02	786	5.7	9,855	592	159.7	6.93	10,036	720	3.1	6.88	995	16.3	6.88
	9:17	787	5.7	11,113	995	156	6.93	5,694	673	6.7	6.87	5,098	38.7	6.86
	9:32	0	5.9	5,231	0	154.6	6.93	0	0	0	0	3,757	31.2	6.86
	9:47	779	6.1	1,560	740	176.9	6.92	0	0	0	0	1,826	17.4	6.87
	10:02	781	6.2	9,711	607	129.2	6.91	10,880	724	2.3	6.86	0	8.3	6.87
	10:17	787	6.1	11,081	995	133	6.91	6,758	665	4.3	6.85	3,142	38.5	6.85
	10:32	784	6.1	11,334	609	132.8	6.91	7,244	745	2.2	6.86	4,225	20.8	6.86
	10:47	773	6.4	9,048	995	134.8	6.92	10,088	677	2.8	6.86	0	0	0
	11:02	768	6.1	13,200	602	129.5	6.92	4,104	707	4.6	6.86	6,745	29.7	6.86
	11:17	788	6.3	9,565	995	134.4	6.91	8,857	681	1.6	6.86	1,815	14.7	6.85
	11:32	774	6	13,239	612	129.4	6.91	3,754	796	3.1	6.86	7,455	25.6	6.85
	11:47	775	6.4	9,031	580	128.2	6.92	10,190	680	1.6	6.87	0	0	0
	12:02	778	6.2	12,443	771	121.5	6.93	4,022	645	3.9	6.87	6,137	28.4	6.87
	12:17	782	6.4	9,767	589	131.7	6.93	10,086	718	1.7	6.87	975	16.1	6.87
	12:32	800	6.6	10,214	995	125.8	6.93	8,230	650	2.6	6.87	810	49.5	6.87
	12:47	0	6.7	11,168	0	123.5	6.93	0	0	2.5	6.88	22	21.2	6.87
	13:02	768	6.7	8,659	590	134.9	6.93	6,693	728	5.9	6.88	3,057	24	6.88
	13:17	789	6.4	12,302	852	123.6	6.93	4,760	625	4.9	6.86	4,841	30.8	6.86
	13:32	772	6.6	9,986	599	134.5	6.93	9,449	714	1.6	6.86	1,732	16.2	6.86
	13:47	767	6.7	9,880	995	136.3	6.93	8,743	641	1.5	6.86	838	48.8	6.86
	14:02	767	6.6	9,018	799	133.9	6.93	0	0	4.3	6.87	3,224	16.8	6.87
	14:17	778	6.8	9,427	623	131.9	6.93	10,922	766	1.5	6.88	86	1.1	6.87
	14:32	756	6.6	11,475	995	121.2	6.93	7,073	688	1.8	6.88	3,622	37.7	6.88
	14:47	788	6.6	11,370	626	135.2	6.94	8,610	783	2	6.88	3,521	14.7	6.88
	15:02	770	6.8	9,353	995	139	6.93	10,809	722	1.3	6.88	0	0	0
	15:17	770	6.4	13,407	642	131.2	6.94	4,925	758	3.6	6.89	7,091	26.7	6.88
	15:32	772	6.8	9,295	629	139.4	6.93	10,842	724	0.8	6.89	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:47	774	6.5	12,501	858	136.8	6.94	5,051	667	2.3	6.88	5,877	27.8	6.87
	16:02	771	6.6	10,253	615	136.8	6.95	10,554	766	1.6	6.89	1,245	13.5	6.88
	16:17	776	6.7	10,285	995	126.3	6.95	9,218	692	1.6	6.9	1,265	48	6.9
	16:32	763	6.5	12,391	624	126.7	6.97	6,738	792	2.8	6.92	5,455	21.6	6.9
	16:47	746	6.9	9,293	604	136.7	6.97	10,767	720	0.9	6.92	0	0	0
	17:02	769	6.5	13,203	633	123.6	6.97	4,615	711	3.4	6.92	6,968	24.9	6.92
	17:17	762	6.8	9,377	606	117.7	6.98	10,874	726	1	6.92	0	0	0
	17:32	779	6.7	11,340	995	106.9	6.98	7,123	677	1.4	6.92	3,480	31.6	6.93
	17:47	769	6.7	11,119	628	113.8	6.99	8,519	761	2.2	6.94	3,328	13	6.93
	18:02	0	6.2	9,243	995	117	6.99	10,695	713	0.9	6.94	0	0	0
	18:17	0	5.8	7,181	0	92.5	6.99	654	490	4	6.93	4,373	23.9	6.93
	19:47	759	6	10,839	636	83.9	6.98	5,568	604	5.7	6.95	2,147	22.1	6.96
	20:02	779	6.1	9,332	605	120.4	6.96	10,883	725	1.6	6.94	0	0	0
	20:17	768	6.1	10,617	995	134	6.95	8,149	695	0.9	6.91	2,473	36.1	6.89
	20:32	762	5.9	12,268	606	143.4	6.94	7,053	810	2.6	6.89	5,305	17.7	6.89
	20:47	728	6.3	9,195	620	148.3	6.93	10,690	713	1.7	6.88	0	0	0
	21:02	730	5.9	13,520	665	142.5	6.93	3,796	808	5	6.87	8,448	30.1	6.87
	21:17	737	6.1	9,441	617	149.7	6.93	10,954	730	1.8	6.88	0	0	0
	21:32	712	6	11,718	923	144.7	6.93	6,060	687	3	6.87	4,815	34.5	6.86
	21:47	720	6	11,144	616	150.3	6.93	8,735	779	2.5	6.88	3,439	17.5	6.87
	22:02	725	6.2	9,396	995	149.3	6.94	10,168	703	2.2	6.88	391	44.6	6.86
	22:17	759	5.9	13,362	597	144	6.94	4,434	847	4.5	6.88	8,138	30.2	6.86
	22:32	732	6.3	9,122	613	149	6.93	10,623	709	1.7	6.88	0	0	0
	22:47	725	6	12,731	816	143.4	6.93	3,882	667	3.5	6.87	7,394	29.9	6.86
	23:02	737	6.1	9,922	605	146.4	6.93	10,796	757	2.4	6.87	746	13.8	6.86
	23:17	743	6.2	10,494	995	143.6	6.93	7,981	699	2.5	6.87	2,720	48.8	6.87
	23:32	731	6.1	12,157	598	146.6	6.93	6,286	787	4	6.87	6,063	23.1	6.87
	23:47	748	6.4	9,029	614	147.8	6.93	10,556	704	2.2	6.87	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		772	6.32	959,031	752	139.9	6.93	646,225	736	3.9	6.87	300,991	27.1	6.87
MAXIMUM		802	7.40	14,743	995	198.4	6.99	12,209	995	10.0	6.95	10,449	49.5	6.96
MINIMUM		712	5.40	1,514	580	83.9	6.89	382	490	0.8	6.83	22	1.1	6.83

MONTHLY SUMMARY

AVERAGES/TOTALS	499	7.41	28,538,139	734	128.0	6.84	21,520,016	738	2.9	6.89	6,994,237	26.6	6.89
MAXIMUM	995	9.00	14,925	995	779.7	7.47	14,881	995	10.0	7.40	14,156	49.7	7.71
MINIMUM	13	4.70	10	50	15.5	4.94	126	101	0.3	6.55	4	0.4	5.41

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS.
MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

MONTHLY DATA SUMMARY

Emerald Gateway

October 2020

Downloaded: 11/12/2020

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
10/1/2020														
	0:02	747	6	13434	630	144.1	6.93	3,924	748	5.4	6.87	8080	29.7	6.87
	0:17	748	6.3	9138	591	145.8	6.93	10,683	712	1.9	6.87	0	0	0
	0:32	723	6.2	11584	933	135.9	6.93	5,828	684	3	6.87	5041	37.6	6.87
	0:47	722	6.2	10855	604	141.4	6.94	8,472	755	2.7	6.87	3451	19.1	6.87
	1:02	721	6.5	9247	995	141.6	6.94	9,963	690	2.5	6.87	386	47.4	6.87
	1:17	727	6.1	13482	599	138	6.94	3,722	831	5.4	6.88	8821	31.6	6.87
	1:32	763	6.5	8954	582	153.2	6.94	10,376	691	1.9	6.88	0	0	0
	1:47	749	6.2	12611	811	159	6.96	4,076	628	2.1	6.88	7008	32.6	6.88
	2:02	750	6.5	9793	586	184.6	6.96	10,275	735	3.5	6.9	995	15	6.89
	2:17	758	6.5	10337	995	198	6.95	7,833	683	2.2	6.89	2718	48.9	6.88
	2:32	762	6.3	12189	583	206.3	6.96	5,994	772	5	6.89	6305	28.7	6.88
	2:47	0	6.6	8839	590	220.5	6.95	10,347	691	2.5	6.89	0	0	0
	3:02	0	5.8	9746	0	224.1	6.95	1,979	570	2.5	6.88	5746	41.8	6.88
	4:32	738	6.3	8881	611	320.4	6.91	6,851	810	4.9	6.87	3270	38	6.87
	4:47	745	6.5	8873	995	296.6	6.9	10,403	692	2.4	6.86	0	0	0
	5:02	759	6.1	13889	617	287.2	6.9	3,401	806	5.9	6.84	9167	37.5	6.84
	5:17	767	6.4	9045	589	287.7	6.9	10,567	706	3	6.83	0	0	0
	5:32	749	6.2	12308	926	288	6.89	4,454	665	2.2	6.83	6653	44.6	6.83
	5:47	737	6.2	10635	573	286	6.9	9,176	766	4.4	6.83	2985	26.9	6.83
	6:02	764	6.3	9884	995	280.6	6.9	8,461	682	2.4	6.83	1981	49.1	6.83
	6:17	742	6.1	13250	600	283.6	6.9	4,442	855	6.5	6.83	8568	39.5	6.83
	6:32	746	6.4	8850	586	279.4	6.9	10,259	687	2.9	6.84	0	0	0
	6:47	755	6.1	13280	779	282.8	6.91	2,595	585	3	6.83	9032	43.9	6.84
	7:02	764	6.3	9625	594	278.1	6.91	10,929	741	4.2	6.85	249	10	6.85
	7:17	760	6.1	12020	936	284.2	6.91	4,857	667	2.5	6.85	6077	48.5	6.85
	7:32	763	6.2	10827	585	287.8	6.91	8,271	757	4.8	6.86	3964	32.9	6.85
	7:47	730	6.4	9517	995	283.5	6.91	8,892	678	2.6	6.85	1477	48.7	6.85

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:02	0	6	13448	603	286	6.91	3,828	857	7.4	6.85	9298	41.9	6.85
	8:17	744	5.6	13737	661	282.8	6.92	2,394	751	5.8	6.86	10153	43	6.86
	8:32	747	5.9	9141	591	275.5	6.91	10,674	713	4.1	6.86	0	0	0
	8:47	750	5.8	11543	927	275.4	6.92	5,818	628	2.6	6.86	4476	49.7	6.85
	9:02	741	5.8	11269	590	276.8	6.93	7,361	755	5	6.86	4999	36.2	6.86
	9:17	753	6	9084	995	277.2	6.94	9,459	671	2.6	6.86	714	45.1	6.86
	9:32	767	5.7	13775	575	287.3	6.94	3,047	882	7.7	6.86	9941	42.9	6.86
	9:47	760	5.8	10052	995	233.3	6.93	7,843	683	3.3	6.87	2798	2.3	6.86
	10:02	756	5.3	14028	800	323.4	6.93	0	0	0	0	9588	47.3	6.86
	10:17	761	5.5	9596	535	279.8	6.93	6,772	601	3.4	6.86	3294	38.5	6.86
	10:32	740	5.9	8725	995	256.1	6.93	7,346	540	1.6	6.86	700	35.2	6.86
	10:47	757	5.7	12336	535	241	6.94	3,609	652	4.5	6.88	6447	45.3	6.86
	11:02	746	6.1	8182	995	222.4	6.95	7,827	549	1.5	6.88	587	1.9	6.88
	11:17	781	5.8	13430	717	212	6.96	3,066	768	5.4	6.88	7469	39.5	6.88
	11:32	783	5.5	12614	835	175	6.94	5,816	746	6.1	6.88	4557	36.9	6.88
	11:47	746	5.5	11555	713	120.8	6.91	8,012	740	2.6	6.86	3440	22	6.87
	12:02	755	5.5	11586	995	129.8	6.9	8,475	736	2.8	6.83	2316	27	6.83
	12:17	842	5.3	12838	723	118.8	6.9	5,672	781	5.5	6.83	5503	25.3	6.83
	12:32	853	5.3	12241	995	73.6	6.9	7,176	755	6	6.83	3438	26.3	6.83
	12:47	866	5.5	11636	645	78.1	6.9	7,151	752	2.7	6.83	4032	16.3	6.83
	13:02	870	6.1	9708	975	66.2	6.89	10,928	725	2.2	6.83	0	0	0
	13:17	868	6	13365	658	72.3	6.9	4,406	737	4.6	6.83	6756	22.7	6.82
	13:32	886	6.5	9754	650	68.5	6.9	10,860	725	1.6	6.83	0	0	0
	13:47	880	6.6	12346	866	62.5	6.9	6,092	671	3.4	6.83	4117	24.7	6.83
	14:02	871	6.9	10615	662	65.9	6.9	9,905	765	2	6.83	1928	12.1	6.83
	14:17	873	7.2	10278	995	65.9	6.9	9,965	695	2.1	6.83	481	45.3	6.83
	14:32	866	7.3	12674	654	65.2	6.9	6,502	787	3.4	6.83	5043	19.1	6.83
	14:47	866	7.8	9644	649	61.9	6.9	10,959	731	1.3	6.83	0	0	0
	15:02	880	8.2	9895	995	60.4	6.89	10,660	711	3.5	6.83	0	0	0
	15:17	794	8	12743	631	53.9	6.87	6,610	755	4	6.81	4503	24.4	6.81
	15:32	821	8.3	9581	642	61.5	6.85	10,857	724	0.9	6.79	0	0	0
	15:47	792	8.7	9446	995	78.7	6.86	10,818	719	1.5	6.79	0	0	0
	16:02	807	8.6	12562	628	89	6.87	7,423	664	3.7	6.8	2581	26.2	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:17	0	8.9	9428	623	98.1	6.88	10,728	717	0.6	6.81	0	0	0
	16:32	0	7.6	9362	964	94.6	6.88	10,745	713	0.6	6.81	0	0	0
	16:47	0	5.9	12459	602	84.2	6.9	1,295	121	3.3	6.81	854	24.6	6.81
	17:02	0	5.7	5032	0	78.5	6.89	0	0	0.6	6.81	0	2.8	6.81
	17:17	789	5.7	698	674	152.1	6.9	0	0	1.6	6.83	0	1.1	6.83
	17:32	796	6	9489	620	80.7	6.89	0	0	0.7	6.82	0	0	0
	17:47	804	5.9	11922	680	107.9	6.89	0	0	1.7	6.81	0	23.3	6.81
	18:02	792	6.1	9638	613	136.8	6.91	0	0	2.2	6.84	0	0	0
	18:17	800	6.4	9105	611	139.9	6.93	0	0	1.1	6.86	0	0	0
	18:32	773	6.4	11436	988	134.6	6.94	0	0	2.9	6.86	0	36.6	6.86
	18:47	799	6.6	10755	592	136.5	6.95	0	0	1.7	6.88	0	14.7	6.87
	19:02	0	6.5	8714	884	136.3	6.96	249	29	1.2	6.88	1607	22.6	6.88
	19:17	812	5.9	12061	895	128.8	6.96	0	0	0	0	11144	22.8	6.88
	19:32	792	6	10869	598	122.9	6.96	8,553	741	1.9	6.89	3059	16.4	6.88
	19:47	793	6.4	9144	611	122.5	6.96	10,386	692	1.4	6.9	0	0	0
	20:02	802	6.3	11217	995	125.1	6.98	7,015	662	3.7	6.9	3235	41.7	6.9
	20:17	798	6.4	11277	604	133.3	6.98	7,656	745	2.2	6.91	4063	20.3	6.9
	20:32	0	5.9	9111	587	135.4	6.98	10,327	690	1.4	6.91	0	0	0
	20:47	0	6.1	4700	887	127.7	6.98	5,289	685	3.3	6.91	4	6.1	6.9
	21:02	786	6.2	5874	0	120.5	6.98	473	696	7	6.9	4514	32	6.9
	21:17	811	6.3	5581	0	129.4	6.96	3,710	820	4.2	6.9	2550	22.6	6.9
	21:32	783	6.4	5435	0	119.9	6.96	1,942	701	5.2	6.9	2128	30.9	6.9
	21:47	799	6.2	8972	611	129.2	6.96	7,493	751	3.2	6.9	2634	21.5	6.9
	22:02	794	6.5	9034	606	127.8	6.96	10,258	683	4.8	6.9	0	0	0
	22:17	0	6	10060	995	132.7	6.98	7,821	680	8.2	6.91	3286	37.5	6.9
	22:32	0	5.7	5680	0	124.4	6.98	0	0	0	0	3999	36.3	6.9
	23:47	790	6.3	6685	647	155.2	6.93	3,152	903	6.9	6.9	4392	35.8	6.9
AVERAGES/TOTALS		783	6.31	898,258	743	170.5	6.92	541,453	701	3.3	6.86	268,602	30.3	6.86
	MAXIMUM	886	8.90	14,028	995	323.4	6.98	10,959	903	8.2	6.91	11,144	49.7	6.90
	MINIMUM	721	5.30	698	535	53.9	6.85	249	29	0.6	6.79	4	1.1	6.80
10/2/2020														
	0:02	809	6.5	9379	612	129.6	6.93	10,687	711	3.2	6.89	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:17	795	6.8	9141	995	144.5	6.93	10,472	695	6.7	6.89	0	0	0
	0:32	795	6.5	13629	655	144.5	6.93	3,125	836	7.2	6.88	9047	36.4	6.88
	0:47	785	6.8	9290	610	149	6.93	10,565	707	1.8	6.89	0	0	0
	1:02	785	7.3	9070	586	146.8	6.93	10,434	692	3	6.9	0	0	0
	1:17	809	6.9	13422	656	141	6.93	3,353	772	6.1	6.9	8632	37.7	6.9
	1:32	804	6.9	9477	607	141.5	6.94	8,550	763	3.5	6.9	2188	25.9	6.9
	1:47	802	7.4	9012	601	132.3	6.94	10,307	687	3	6.9	0	0	0
	2:02	792	7.1	12875	763	124.5	6.94	3,421	625	5.7	6.9	7677	40.4	6.91
	2:17	805	7.4	9635	586	120.2	6.95	10,537	732	2	6.92	498	11.3	6.92
	2:32	0	7.4	8890	594	118.6	6.95	10,179	678	1.5	6.92	0	0	0
	2:47	0	5.6	12550	826	113.3	6.95	3,773	663	3.4	6.92	7052	36.4	6.92
	3:02	0	5.7	3075	0	104.6	6.95	2,015	893	4.8	6.92	1496	23.8	6.92
	4:02	817	6.4	5611	609	102.1	6.93	5,615	789	3.3	6.9	771	9.6	6.9
	4:17	801	6.8	8869	578	104.4	6.93	10,135	673	1	6.9	0	0	0
	4:32	806	6.7	10946	995	117.1	6.93	6,748	635	2.4	6.9	3146	46	6.9
	4:47	797	6.7	11443	583	124.8	6.93	7,124	750	2.5	6.9	4760	29.4	6.9
	5:02	790	7.2	8728	559	125.4	6.93	10,003	665	1.1	6.9	0	0	0
	5:17	802	7.3	10439	995	122.6	6.93	7,342	630	2.3	6.9	2369	49.4	6.9
	5:32	802	7.3	11787	575	119.8	6.93	6,310	746	2.5	6.9	5540	31.1	6.9
	5:47	792	7.8	8612	569	116.9	6.93	9,829	656	0.9	6.91	0	0	0
	6:02	791	8	9999	995	112.4	6.94	7,579	648	1.5	6.92	2578	47.9	6.92
	6:17	797	7.9	12105	576	109.8	6.94	5,574	744	3.1	6.92	6540	32.1	6.92
	6:32	800	8.4	8481	561	107.6	6.93	9,683	647	1.5	6.92	0	0	0
	6:47	0	7.2	9418	995	103.3	6.93	8,208	625	3.1	6.92	1267	37.1	6.9
	7:02	0	5.7	12418	548	93.5	6.93	4,782	739	2.7	6.91	6933	36.1	6.9
	7:17	795	5.8	4036	711	87	6.93	4,100	649	1.4	6.92	553	9.4	6.91
	7:32	786	6.3	8176	827	93.1	6.93	8,593	768	3.1	6.91	746	9.6	6.91
	7:47	785	5.9	13449	995	97.7	6.93	8,026	970	7.8	6.9	5252	34	6.91
	8:02	775	5.6	13160	995	112.6	6.94	8,203	961	4.9	6.92	5593	27.8	6.92
	8:17	785	6.3	7818	894	99.8	6.94	0	0	0	0	5905	43.8	6.92
	8:32	786	5.9	13033	854	108.1	6.93	0	0	0	0	11513	40.4	6.9
	8:47	814	5.5	13682	995	103	6.93	1,861	941	6.2	6.91	11818	29.5	6.93
	9:02	783	6.2	6382	902	155.5	6.93	0	0	0	0	6089	22.6	6.95

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:17	797	5.8	13988	703	105.6	6.95	2,785	926	7.1	6.99	9841	28.2	6.97
	9:32	785	6	10063	666	79.3	6.96	11,646	778	4.3	6.99	0	0	0
	9:47	797	6.3	9748	649	76.6	6.96	11,299	755	6.8	7	0	0	0
	10:02	816	6	13530	701	75.9	6.97	3,940	824	7.2	7	8267	32.4	7
	10:17	789	6.2	9986	649	76.4	6.97	11,613	773	2	7	0	0	0
	10:32	784	6.6	9689	659	75.3	6.98	11,328	752	4.1	7	0	0	0
	10:47	800	6.3	13182	704	73.8	6.98	4,684	753	6.9	7	6909	34.2	6.99
	11:02	800	6.5	10007	630	73.6	6.97	11,558	772	1.6	7	0	0	0
	11:17	782	6.8	9661	617	71.6	6.96	11,202	747	3.1	6.99	0	0	0
	11:32	805	6.6	12920	738	70	6.96	4,822	713	6.2	6.99	6500	34.9	6.99
	11:47	819	6.8	10033	629	68.8	6.96	11,616	775	1.5	6.99	0	5.3	6.99
	12:02	799	7.2	9573	622	68.1	6.96	11,113	739	2.2	6.98	0	0	0
	12:17	796	6.9	12632	800	68.1	6.96	5,295	710	5.1	6.98	5710	33.9	6.97
	12:32	782	7.2	10219	622	67.4	6.95	10,787	772	1.5	6.97	995	32.2	6.97
	12:47	795	7.5	9483	631	70.2	6.94	11,021	734	1.9	6.97	0	0	0
	13:02	793	7.4	12344	908	71	6.94	6,000	708	4.4	6.96	4797	33.3	6.96
	13:17	0	7.4	10318	628	70.2	6.94	10,306	762	1.7	6.96	1493	31.2	6.97
	13:32	0	6.2	9344	621	71.3	6.94	10,866	724	1.3	6.95	0	0	0
	13:47	0	5.9	5968	0	64.7	6.95	5,925	697	2.8	6.95	235	49.7	6.95
	15:02	809	6.1	9328	995	75.7	6.95	2,304	854	4.6	6.9	5768	33.4	6.91
	15:17	804	6	11217	622	87.8	6.94	9,331	778	2.6	6.93	2646	27.9	6.92
	15:32	808	6.3	9274	615	95.2	6.94	10,837	721	1.6	6.93	0	0	0
	15:47	797	6.4	11100	995	99.3	6.94	7,377	699	3.6	6.93	3289	37.7	6.93
	16:02	794	6.4	11474	612	102.2	6.95	8,816	767	2.4	6.94	2956	28.9	6.93
	16:17	801	6.8	9227	596	104.2	6.96	10,655	710	1.1	6.94	0	0	0
	16:32	799	6.8	10628	995	104.5	6.96	7,919	691	2.9	6.93	2533	43.2	6.93
	16:47	798	6.8	11738	611	103.9	6.96	7,777	762	2.6	6.95	3909	27.5	6.94
	17:02	0	7	9069	601	105.2	6.96	10,549	702	1.1	6.94	0	0	0
	17:17	0	5.6	10142	995	103.1	6.96	8,514	680	1.8	6.93	1743	47.5	6.93
	17:32	0	5.7	3386	0	92.6	6.96	0	750	7.8	6.93	2378	18.8	6.93
	19:02	807	6.3	2831	698	116.3	6.94	1,683	963	4.1	6.9	1580	34.8	6.9
	19:17	787	6.6	9408	607	98.3	6.93	10,997	732	1.5	6.91	0	0	0
	19:32	807	6.9	8998	601	110.4	6.93	10,466	695	2.4	6.92	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	19:47	798	6.7	12340	819	113.9	6.93	4,812	667	4.8	6.92	5822	34.6	6.92
	20:02	801	7	9900	584	116.8	6.93	10,151	740	1.7	6.93	1245	34.6	6.92
	20:17	813	7.4	8850	594	117.4	6.93	10,242	686	1	6.92	0	0	0
	20:32	798	7.3	11934	906	116.5	6.93	5,417	655	2.3	6.92	4979	35.2	6.92
	20:47	795	7.5	10056	582	113.2	6.93	9,610	728	1.9	6.92	1741	34.2	6.92
	21:02	794	8	8736	583	111.4	6.93	10,112	674	0.8	6.92	0	0	0
	21:17	0	7	11416	862	108.7	6.93	5,842	648	1.8	6.92	4449	35.9	6.92
	21:32	0	5.8	10182	569	103	6.93	8,814	711	1.9	6.92	2304	30.8	6.92
	21:47	0	5.7	3691	0	94.6	6.92	4,267	655	0.7	6.92	0	1.4	6.91
	22:02	797	5.7	1998	626	104.1	6.91	1,527	860	3.5	6.88	783	10	6.88
	22:17	809	6	8786	995	80.6	6.91	10,153	678	1	6.9	0	0	0
	22:32	799	5.8	12943	562	96.7	6.91	4,961	704	3.3	6.92	6309	33.3	6.91
	22:47	788	6.2	8329	564	103.2	6.93	9,668	645	0.9	6.93	0	0	0
	23:02	795	6.7	8248	995	107.2	6.93	9,590	638	0.8	6.93	0	0	0
	23:17	793	6.5	12797	547	108.4	6.93	4,849	686	3.2	6.93	6203	33.8	6.93
	23:32	807	7	8160	556	107.5	6.93	9,555	632	0.9	6.93	0	0	0
	23:47	0	6.4	6869	995	109.5	6.93	4,399	645	1.3	6.93	2923	21.5	6.92
AVERAGES/TOTALS		797	6.63	823,780	718	102.8	6.94	626,133	732	3.0	6.93	226,270	30.9	6.93
MAXIMUM		819	8.40	13,988	995	155.5	6.98	11,646	970	7.8	7.00	11,818	49.7	7.00
MINIMUM		775	5.50	1,998	547	64.7	6.91	1,527	625	0.7	6.88	235	1.4	6.88
10/3/2020														
	0:02	809	6.6	8321	0	103.7	6.93	988	789	7.4	6.93	5803	28.2	6.92
	0:17	812	6.7	8957	821	104.4	6.93	9,616	962	2.5	6.92	816	9.6	6.92
	0:32	787	6.9	11484	0	102.9	6.93	10,263	977	6	6.94	3088	18.9	6.95
	0:47	0	7.3	3876	0	138.7	6.93	0	0	0	0	4373	28.6	6.94
	1:02	807	5.5	10762	995	80.7	6.93	0	0	0	0	11495	31.2	6.93
	1:17	817	6.3	5990	911	58.6	6.93	105	405	9.5	6.92	4316	30.5	6.93
	1:32	818	6.4	10893	665	86.3	6.93	10,897	822	3.8	6.93	1675	26.2	6.92
	1:47	804	6.6	9946	995	80.3	6.93	11,560	772	6.9	6.95	0	0	0
	2:02	812	6.3	13507	658	80.9	6.94	4,635	840	3.9	6.95	7549	33.7	6.95
	2:17	770	6.5	9954	660	81.4	6.94	11,576	773	2.4	6.95	0	0	0
	2:32	789	6.7	9905	995	80.6	6.94	11,472	766	6.9	6.95	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	2:47	778	6.4	13677	676	79.1	6.94	4,277	864	4	6.95	8033	33.6	6.95
	3:02	778	6.7	9888	664	80.2	6.94	11,535	768	1.7	6.95	0	0	0
	3:17	796	6.9	9840	995	79.7	6.94	11,415	761	5.2	6.95	0	0	0
	3:32	804	6.6	13418	676	77	6.94	5,281	812	4.1	6.95	6709	34.8	6.95
	3:47	795	6.9	9811	655	74.8	6.94	11,443	762	1.5	6.95	0	0	0
	4:02	0	6.9	9809	995	73	6.95	11,214	751	5.1	6.95	0	0	0
	4:17	0	5.7	12363	0	70.1	6.95	4,096	814	3.8	6.95	6748	34	6.95
	5:47	805	6.4	5049	666	64.8	6.91	5,006	864	2.2	6.9	820	9.5	6.9
	6:02	777	6.6	9777	662	57.9	6.91	11,353	758	1.5	6.92	0	0	0
	6:17	805	6.4	11869	995	66.7	6.91	6,891	725	4.5	6.93	4026	35.1	6.93
	6:32	803	6.4	11272	630	72.6	6.92	9,791	801	2.1	6.93	2410	31.5	6.93
	6:47	813	6.8	9583	653	75.2	6.91	11,169	745	2.3	6.93	0	0	0
	7:02	800	6.6	12065	880	75.7	6.91	6,430	719	5.9	6.93	4417	36.5	6.93
	7:17	797	6.8	10945	632	75.4	6.91	10,002	786	1.9	6.93	2103	28.7	6.93
	7:32	800	7.1	9505	632	76.6	6.91	11,032	736	2.3	6.93	0	0	0
	7:47	780	6.9	12239	891	76.2	6.92	5,639	712	5.6	6.94	5138	34.7	6.93
	8:02	793	7.1	10613	643	75.3	6.93	10,443	774	1.8	6.95	1493	30.5	6.94
	8:17	0	7.1	9412	617	75.5	6.93	10,874	727	2.3	6.95	0	0	0
	8:32	0	5.6	12378	0	74.8	6.93	5,745	698	5.5	6.95	5018	34.4	6.94
	8:47	0	5.7	1204	0	71	6.93	0	833	8.4	6.95	1351	31.4	6.95
	10:02	781	6.5	9762	606	68.6	6.9	10,329	781	1.4	6.91	970	11.4	6.9
	10:17	792	6.8	9258	619	71.2	6.91	10,781	717	1.7	6.92	0	0	0
	10:32	799	6.6	12730	741	77.6	6.91	4,611	687	4.6	6.93	6563	33.6	6.93
	10:47	0	7	9535	0	83.6	6.91	10,966	751	1.3	6.93	169	3.6	6.93
	11:02	793	6.8	10474	839	90	6.91	10,881	964	6.7	6.93	1320	12.4	6.92
	11:17	803	6.7	12518	845	85.8	6.91	14,656	979	0.5	6.93	0	0	0
	11:32	780	6.6	12397	831	95	6.91	14,595	972	0.3	6.93	0	0	0
	11:47	797	6.6	7734	995	89.6	6.91	2,433	962	0.5	6.93	4856	42.4	6.91
	12:02	795	6.4	10481	894	68.8	6.91	5,461	846	4.7	6.92	4990	33.5	6.92
	12:17	814	6.4	11314	822	66.3	6.91	12,795	950	0.5	6.93	515	7	6.92
	12:32	801	6.2	8482	995	67.3	6.92	2,371	958	0.4	6.93	5675	30.6	6.92
	12:47	792	6.1	12170	668	77.2	6.92	7,888	832	3.8	6.93	4486	28.1	6.92
	13:02	784	5.9	12311	890	68.3	6.93	6,154	748	7	6.93	4979	34	6.93

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	797	5.9	11064	661	60.9	6.93	10,289	806	2.3	6.93	2080	22.6	6.93
	13:32	797	6.2	9817	650	57.3	6.93	11,409	761	4.1	6.93	0	0	0
	13:47	784	6.1	12463	901	57.4	6.93	6,010	730	6.9	6.94	4965	33.4	6.93
	14:02	806	6.2	10655	654	57.6	6.93	10,689	792	1.7	6.95	1493	30.7	6.94
	14:17	795	6.6	9650	648	58.4	6.93	11,276	752	2.2	6.95	0	0	0
	14:32	789	6.4	12563	798	58.8	6.93	5,932	724	5.3	6.94	5075	32.2	6.93
	14:47	799	6.5	10316	653	58	6.93	10,730	779	1.3	6.95	1244	29.1	6.94
	15:02	802	6.8	9584	641	58	6.94	11,140	744	2	6.95	0	0	0
	15:17	788	6.6	12711	747	57	6.94	5,918	714	4.8	6.95	5222	32.5	6.95
	15:32	804	6.8	10046	632	58.1	6.94	11,249	768	1.3	6.95	498	22.3	6.95
	15:47	777	7.2	9458	633	59.6	6.94	10,954	735	1.9	6.95	0	0	0
	16:02	795	7	12864	661	60	6.94	4,948	705	4.5	6.94	6245	31.7	6.94
	16:17	791	7.2	9690	634	62	6.94	11,283	756	1.3	6.95	0	0	0
	16:32	797	7.6	9327	622	63.3	6.93	10,875	725	1.8	6.94	0	0	0
	16:47	801	7.4	12958	652	62.9	6.94	5,029	716	4.2	6.94	6307	31.6	6.94
	17:02	804	7.7	9473	619	63.5	6.93	11,004	734	1.2	6.94	0	0	0
	17:17	0	6.6	9221	604	64.6	6.93	10,733	716	1.4	6.93	0	0	0
	17:32	0	5.7	9792	0	60.4	6.93	3,541	673	3.7	6.93	4454	29.3	6.93
	19:02	796	6.5	8432	619	66.2	6.91	8,189	780	1.6	6.9	1577	22.4	6.89
	19:17	784	6.8	9082	595	75.3	6.91	10,612	708	1.1	6.91	0	0	0
	19:32	800	6.7	11154	995	80.5	6.91	6,830	682	2.8	6.92	3722	36.8	6.92
	19:47	805	6.8	10973	594	82.5	6.91	8,928	747	2.2	6.92	2595	25.6	6.92
	20:02	783	7.2	8929	598	84.2	6.91	10,395	693	1.1	6.92	0	0	0
	20:17	780	7.2	11338	995	85.9	6.91	6,429	668	2.4	6.92	3859	35.5	6.92
	20:32	794	7.3	10652	583	86.2	6.91	8,956	730	2.1	6.93	2436	28.6	6.93
	20:47	821	7.8	8762	591	87.3	6.91	10,198	681	1	6.93	0	0	0
	21:02	0	6.8	11484	888	86	6.91	6,146	657	2.4	6.93	4306	35.1	6.93
	21:17	0	5.6	10165	566	80.9	6.92	9,085	711	1.8	6.93	2070	28.1	6.93
	21:32	0	5.7	2136	0	75.4	6.92	2,496	665	0.8	6.93	18	1	6.93
	22:32	790	6.4	3414	590	93.6	6.9	3,173	842	2.5	6.88	771	9.7	6.88
	22:47	806	6.6	9020	995	78.8	6.9	9,557	656	1.3	6.89	365	42.3	6.9
	23:02	790	6.4	12596	565	91.9	6.9	5,377	744	3	6.92	6113	31.7	6.9
	23:17	799	6.9	8454	558	101.2	6.91	9,835	655	1	6.92	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	23:32	787	7.1	9075	995	104.3	6.91	8,772	631	1	6.92	718	47.6	6.92
	23:47	786	7.1	12193	546	102.3	6.91	5,969	724	2.8	6.93	5396	30.5	6.92
	AVERAGES/TOTALS	796	6.63	796,989	738	76.2	6.92	642,625	766	3.1	6.93	193,433	28.1	6.93
	MAXIMUM	821	7.80	13,677	995	138.7	6.95	14,656	979	9.5	6.95	11,495	47.6	6.95
	MINIMUM	770	5.50	1,204	546	57.0	6.90	105	405	0.3	6.88	18	1.0	6.88
10/4/2020														
	0:02	797	7.6	8265	545	100.6	6.91	9,630	642	0.9	6.93	0	0	0
	0:17	788	7.9	9258	995	100.7	6.91	8,199	621	1.1	6.93	1299	47.8	6.92
	0:32	779	7.8	11800	553	98.8	6.91	6,078	700	2.7	6.93	5007	28.4	6.92
	0:47	785	8.3	8147	538	99.7	6.91	9,418	628	0.9	6.92	0	0	0
	1:02	0	7.4	9373	995	98.5	6.91	7,625	606	1	6.92	1850	47.6	6.92
	1:17	0	6	11386	509	90.2	6.91	6,238	679	2.6	6.92	4786	26.8	6.92
	1:32	0	5.7	5496	0	82.7	6.9	6,372	609	0.9	6.92	0	0.9	6.91
	2:32	784	6.5	4716	530	88.1	6.88	4,589	729	1.9	6.86	836	10.2	6.86
	2:47	811	6.4	10922	906	71.5	6.88	5,587	581	1.1	6.88	3979	33.4	6.88
	3:02	810	6.6	9647	500	88.6	6.89	8,138	652	1.7	6.91	2233	29	6.9
	3:17	792	7.2	7677	503	94.3	6.89	8,900	595	0.7	6.92	0	0	0
	3:32	800	7.2	11079	918	97	6.9	5,075	567	1.4	6.92	4411	34.4	6.92
	3:47	794	7.6	9116	509	97.9	6.91	8,373	630	1.7	6.93	1679	26.6	6.92
	4:02	807	8.2	7510	488	95.7	6.91	8,710	579	0.7	6.92	0	0	0
	4:17	785	8.1	11362	885	91.6	6.91	4,825	556	1.4	6.92	4640	32.5	6.92
	4:32	806	8.6	8652	500	89.4	6.91	8,272	610	1.6	6.93	1493	32.7	6.93
	4:47	0	8.5	7287	482	87.5	6.9	8,413	561	0.7	6.92	0	0	0
	5:02	0	6.8	11502	707	79.5	6.9	4,708	555	2.1	6.92	4839	32.1	6.92
	5:17	0	5.9	7974	483	68.7	6.9	7,906	574	1.2	6.92	1244	29.4	6.92
	5:32	0	5.6	4642	0	62.1	6.9	5,399	537	0.6	6.92	4	0.7	6.9
	6:17	809	6.6	7000	995	73	6.89	6,116	584	1.3	6.88	1121	19.5	6.87
	6:32	795	6.5	11749	441	85.6	6.89	4,886	624	2.9	6.9	5735	29.2	6.89
	6:47	791	7.1	6790	463	95.3	6.9	7,875	525	0.8	6.9	0	0	0
	7:02	799	7.6	7654	995	98.7	6.9	6,959	503	0.7	6.9	879	48.9	6.9
	7:17	797	7.7	11303	446	97.9	6.9	5,007	595	3	6.92	5217	28.6	6.91
	7:32	799	8.4	6541	424	98.4	6.9	7,519	504	0.8	6.91	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	7:47	0	8.3	7811	995	94.5	6.9	6,454	487	0.7	6.9	1313	46.6	6.9
	8:02	0	6.9	10694	417	85.9	6.9	5,013	568	2.8	6.92	4847	27.1	6.9
	8:17	787	7.1	7296	844	78.9	6.9	8,568	695	1.4	6.9	14	0.7	6.9
	8:32	794	6.8	12946	995	89.8	6.9	11,545	985	4.4	6.9	2608	38.3	6.9
	8:47	788	6.6	12656	896	103.2	6.9	0	0	0	0	12113	40.6	6.91
	9:02	800	6.2	14099	828	103.8	6.9	0	0	0	0	13165	48.4	7.17
	9:17	803	6.2	10944	652	76.2	6.9	10,966	814	4.9	6.93	1142	26.7	6.87
	9:32	810	6	13052	713	81.2	6.9	2,733	840	7.1	6.95	9066	35.7	6.97
	9:47	798	6.2	10257	672	75.1	6.91	11,914	796	3.1	6.97	0	0	0
	10:02	790	6	12813	855	73	6.91	4,707	759	6.9	6.97	7733	29.4	6.97
	10:17	788	5.6	14047	881	70.2	6.92	0	728	9.5	7	12709	23.4	6.99
	10:32	803	5.7	10808	637	71.1	6.93	10,590	799	3	7	1741	26.9	7
	10:47	792	6.1	9633	635	71.4	6.93	11,212	745	6.3	7	0	0	0
	11:02	808	5.8	13339	763	76.7	6.94	2,959	739	9.3	7	8736	30.5	7
	11:17	784	6	10131	642	93.8	6.93	11,721	785	2.2	6.99	0	5.8	7.01
	11:32	799	6.6	9550	0	94.8	6.93	11,050	737	5.4	6.97	0	0	0
	11:47	812	8.3	956	0	89.3	6.93	1,094	732	8.9	6.96	0	9.3	6.96
	12:02	0	7.4	6661	898	88.1	6.91	0	0	0	0	4834	33.8	6.97
	12:17	806	6	11125	632	58.2	6.91	9,405	800	2	6.97	2795	26.4	6.97
	12:32	793	6.4	9500	615	48.1	6.91	11,059	736	1.9	6.95	0	0	0
	12:47	786	6.2	12037	862	64.7	6.91	6,438	700	5.1	6.94	4059	33.3	6.95
	13:02	790	6.3	10679	630	80.2	6.91	10,492	771	2.1	6.96	1418	25.3	6.96
	13:17	800	6.7	9375	627	83	6.91	10,903	726	4	6.94	0	0	0
	13:32	795	6.5	12273	872	82.5	6.91	5,745	700	8	6.92	4785	31.8	6.9
	13:47	782	6.7	10325	600	85	6.91	10,507	762	2	6.9	1244	26.1	6.91
	14:02	796	7.1	9299	619	82.3	6.91	10,788	720	4.1	6.88	0	0	0
	14:17	795	6.9	12437	766	77.6	6.91	5,696	690	7.7	6.88	4899	31.4	6.89
	14:32	802	7.1	10018	604	77	6.91	10,311	753	1.7	6.9	1244	28.4	6.9
	14:47	791	7.5	9197	611	76.3	6.91	10,650	710	4.3	6.89	0	0	0
	15:02	786	7.3	12816	698	74.4	6.91	4,017	687	7.2	6.88	7000	29.1	6.89
	15:17	777	7.6	9497	611	76.4	6.91	11,080	738	4.4	6.88	0	0	0
	15:32	791	7.9	9641	871	79.8	6.91	9,185	704	8.2	6.88	1989	37.4	6.87
	15:47	798	7.5	14116	663	81	6.91	954	953	6	6.89	11697	28.3	6.88

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	16:02	786	7.8	9311	597	82.7	6.91	10,828	722	3.9	6.88	0	0	0
	16:17	0	7.1	9727	891	81.7	6.93	8,510	695	8.5	6.88	2728	35.1	6.88
	16:32	0	5.7	13878	0	73	6.93	1,407	929	5.9	6.91	10948	28.8	6.9
	17:47	809	6.1	5924	995	93.8	6.91	556	802	5.5	6.89	4286	24.7	6.89
	18:02	786	6	11609	577	89.4	6.9	7,555	770	4	6.88	4205	25.3	6.88
	18:17	778	6.4	8874	876	104.5	6.91	10,313	687	6.6	6.88	0	0	0
	18:32	811	6.1	13316	995	108.9	6.91	878	687	9.7	6.88	12182	31.4	6.89
	18:47	785	6.1	11251	592	114	6.93	7,760	759	3.4	6.9	3867	28.1	6.9
	19:02	774	6.5	8765	589	111.9	6.93	10,121	676	5.4	6.9	0	0	0
	19:17	808	6.4	12483	995	108.4	6.93	3,027	672	9.2	6.9	8821	35.9	6.9
	19:32	791	6.5	10849	580	107.2	6.93	8,167	739	3.1	6.92	3342	27.2	6.92
	19:47	799	6.9	8656	574	107.1	6.93	10,006	666	5	6.9	0	0	0
	20:02	795	6.7	12259	995	109	6.93	3,655	664	9	6.9	7601	37.6	6.9
	20:17	797	6.4	13819	588	111.1	6.93	2,970	854	5.7	6.92	8738	29.7	6.92
	20:32	809	6.8	8603	562	110.8	6.93	9,943	663	3.4	6.9	0	0	0
	20:47	790	6.7	11441	894	107.2	6.93	5,358	630	7.5	6.9	4642	38	6.9
	21:02	782	7	10032	568	107.9	6.94	8,601	703	2.7	6.92	2424	26.5	6.92
	21:17	810	7.5	8376	571	113	6.94	9,693	647	5	6.9	0	0	0
	21:32	800	7.3	12136	877	114.7	6.93	3,859	642	8.9	6.89	6735	38	6.89
	21:47	778	7.6	9599	551	117.4	6.93	8,809	692	2.7	6.89	2137	28.9	6.9
	22:02	794	8.1	8271	533	114.7	6.92	9,514	637	5.1	6.87	0	0	0
	22:17	779	7.9	12838	540	115.2	6.91	3,987	688	7	6.87	7066	33.8	6.87
	22:32	782	8.4	8233	547	117.9	6.91	9,534	635	1.4	6.87	0	0	0
	22:47	0	7.9	8143	531	115.4	6.91	9,336	623	4.8	6.85	0	0	0
	23:02	0	6.1	12733	535	103.8	6.91	3,865	674	5.8	6.86	7040	33.3	6.86
	23:17	0	5.7	6631	0	94.2	6.9	7,693	615	0.8	6.86	0	0.9	6.84
	AVERAGES/TOTALS	795	6.91	844,633	689	90.7	6.91	594,518	684	3.9	6.91	269,165	28.9	6.92
	MAXIMUM	812	8.60	14,116	995	117.9	6.94	11,914	985	9.7	7.00	13,165	48.9	7.17
	MINIMUM	774	5.60	956	417	48.1	6.88	556	487	0.6	6.85	4	0.7	6.84
10/5/2020														
	0:17	788	6.5	4572	523	119	6.88	3,783	758	4.4	6.83	1517	18.7	6.85
	0:32	803	6.7	9153	995	112.7	6.88	7,605	596	4	6.81	1549	47.4	6.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	0:47	794	6.6	11572	532	129.5	6.88	5,544	689	2.3	6.83	5492	28	6.82
	1:02	800	7.2	7846	510	137.6	6.88	8,970	598	1.3	6.83	0	0	0
	1:17	799	7.4	9272	995	141.9	6.89	6,983	576	4.3	6.83	1957	48.8	6.83
	1:32	803	7.5	11132	511	137	6.9	5,607	664	2.3	6.85	5176	27.5	6.84
	1:47	796	8.1	7634	503	136.3	6.89	8,824	586	1.2	6.84	0	0	0
	2:02	794	8.3	9481	995	132.9	6.89	6,472	564	3.8	6.83	2551	43.4	6.83
	2:17	796	8.4	10697	489	126.8	6.88	5,937	644	2.1	6.84	4699	26.5	6.84
	2:32	0	8.2	7457	485	126.8	6.88	8,609	574	1.1	6.82	0	0	0
	2:47	0	6.7	9694	995	117.7	6.88	5,986	546	3	6.81	2918	38.5	6.81
	3:02	0	5.5	10196	487	101.8	6.88	6,222	618	1.8	6.82	4065	25.1	6.82
	3:17	0	5.7	1450	0	97.3	6.88	1,669	555	0.7	6.81	0	0.6	6.8
	3:47	777	6.6	5303	485	118.4	6.86	4,803	647	2.2	6.79	1268	17.2	6.81
	4:02	792	6.9	8371	995	123.9	6.86	7,163	540	2.5	6.78	1233	48	6.78
	4:17	788	6.9	11377	470	130.8	6.87	4,689	635	2.6	6.83	5888	29.2	6.8
	4:32	812	7.6	7078	465	134.1	6.88	8,185	545	1	6.83	0	0	0
	4:47	781	7.9	8502	995	134.1	6.88	6,646	521	2.7	6.83	1603	48.9	6.82
	5:02	788	8	10925	455	132.3	6.88	5,068	607	2.5	6.85	5336	27.6	6.84
	5:17	0	8.3	6913	464	132	6.88	7,956	529	0.8	6.83	0	0	0
	5:32	0	7	8772	995	119.6	6.88	6,012	505	1.7	6.82	2191	45	6.81
	5:47	0	5.8	10332	417	102.4	6.88	5,223	577	2	6.83	4776	23.8	6.82
	6:02	792	6	3360	0	94.1	6.88	3,867	499	0.7	6.82	0	0.6	6.8
	6:17	788	6.6	4726	445	106.3	6.87	4,171	595	2.1	6.8	1278	17.6	6.81
	6:32	799	6.7	9549	995	117.9	6.86	4,936	481	1.4	6.8	3367	38	6.8
	6:47	804	7	9187	420	134.2	6.88	5,909	551	2.2	6.83	3474	26.3	6.82
	7:02	794	7.8	6341	423	137.3	6.88	7,285	485	0.7	6.83	0	0	0
	7:17	781	8	9771	995	133.2	6.88	4,324	458	1.4	6.82	3975	35	6.82
	7:32	767	8.1	9849	995	131.9	6.88	5,011	542	2.2	6.84	4712	26.9	6.83
	7:47	800	7.8	13085	730	128.2	6.88	6,137	880	4.1	6.84	6254	25	6.83
	8:02	793	7.8	11773	874	128	6.88	8,320	854	7.2	6.83	5224	20.3	6.83
	8:17	794	7.4	14166	745	132.5	6.88	0	0	0	0	12646	24.4	6.83
	8:32	798	7.4	10869	995	147.5	6.88	11,329	827	5.3	6.82	1174	20	6.82
	8:47	804	7.1	13742	732	143.1	6.87	5,159	942	5.2	6.81	7266	32.3	6.81
	9:02	800	7	12005	995	130.4	6.87	9,143	853	7.3	6.81	3249	39.6	6.81

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:17	797	6.7	13727	870	121.6	6.88	728	975	8.4	6.83	12911	22.3	6.82
	9:32	812	6.5	13171	911	103.3	6.89	0	0	0	0	14920	32.6	6.84
	9:47	791	6.2	13681	995	80.4	6.91	0	0	0	0	13732	33.7	6.86
	10:02	880	6	14631	161	70.1	6.92	548	250	8	6.89	5532	26.3	6.88
	10:17	867	6.5	8855	641	84.5	6.94	7,052	686	6.2	6.91	1125	7.4	6.9
	10:32	875	7	9614	625	61.1	6.95	10,771	719	5	6.92	0	0	0
	10:47	873	7	12132	846	65.6	6.96	6,036	693	6.6	6.92	4197	32.1	6.92
	11:02	863	7.3	10757	647	70.9	6.98	9,932	755	2.2	6.93	1634	22.9	6.93
	11:17	887	7.8	9577	645	76.6	6.98	10,796	720	3	6.92	0	0	0
	11:32	865	7.8	12400	841	75.3	6.98	6,120	682	5.4	6.91	3983	31.4	6.9
	11:47	882	8.1	10444	640	72.8	6.98	10,300	758	1.8	6.91	1459	23	6.92
	12:02	0	7	9546	648	70.7	6.98	10,848	724	2.2	6.9	0	0	0
	12:17	0	5.7	12676	0	60.9	6.98	5,969	702	4.5	6.9	4533	27.6	6.9
	AVERAGES/TOTALS	811	7.13	467,363	702	113.0	6.90	292,647	638	3.2	6.84	168,864	28.4	6.84
	MAXIMUM	887	8.40	14,631	995	147.5	6.98	11,329	975	8.4	6.93	14,920	48.9	6.93
	MINIMUM	767	5.50	1,450	161	60.9	6.86	548	250	0.7	6.78	1,125	0.6	6.78
10/6/2020														
	11:32	0	5.7	988	228	335.9	6.86	0	0	0	0	0	36.7	6.75
	11:47	0	5.4	3372	213	962.4	6.87	0	0	0	0	0	18.1	6.75
	12:02	0	5	3286	223	978.2	6.89	0	0	0	0	0	19.1	6.76
	12:17	0	4.5	3166	212	717.4	6.92	0	0	0	0	0	19.3	6.76
	12:32	0	3.9	3038	156	382.1	6.94	0	0	0	0	0	19.1	6.77
	12:47	0	3.7	1511	0	324	6.94	0	0	0	0	0	18.7	6.78
	13:02	0	4.2	38	0	797.3	6.95	0	0	0	0	0	18.1	6.78
	14:17	0	4.4	1768	185	114.4	7.01	0	0	0	0	0	17	6.83
	14:32	0	3.7	1630	0	99.6	7.02	0	0	0	0	0	16.7	6.83
	AVERAGES/TOTALS		4.50	18,797	203	523.5	6.93						20.3	6.78
	MAXIMUM		5.70	3,372	228	978.2	7.02						36.7	6.83
	MINIMUM		3.70	38	156	99.6	6.86						16.7	6.75
10/10/2020														

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:32	859	4.4	326	202	18.4	6.99	0	0	0	0	0	7.4	6.85
	9:47	882	5.4	741	0	18.3	6.99	0	0	0	0	0	7.4	6.85
AVERAGES/TOTALS		871	4.90	1,067	202	18.4	6.99						7.4	6.85
MAXIMUM		882	5.40	741	202	18.4	6.99						7.4	6.85
MINIMUM		859	4.40	326	202	18.3	6.99						7.4	6.85
10/12/2020														
	9:17	0	8.1	0	0	85.3	7.52	0	0	0	0	5522	20.2	7.3
	9:32	884	8.1	5733	662	21.5	7.63	5,253	872	3.9	7.56	2284	32.2	7.49
	9:47	877	8.5	9502	620	15.4	7.68	11,325	755	2.1	7.67	0	0	0
	10:02	0	7.8	9506	995	17.9	7.69	10,889	731	1.7	7.76	0	0	0
	10:17	876	7.2	13061	639	18	7.69	6,072	771	4	7.84	5554	27.4	7.81
AVERAGES/TOTALS		879	7.94	37,802	729	31.6	7.64	33,539	782	2.9	7.71	13,360	26.6	7.53
MAXIMUM		884	8.50	13,061	995	85.3	7.69	11,325	872	4.0	7.84	5,554	32.2	7.81
MINIMUM		876	7.20	5,733	620	15.4	7.52	5,253	731	1.7	7.56	2,284	20.2	7.30
10/15/2020														
	9:02	869	7.4	3384	696	66.3	8.25	2,978	874	2.6	7.45	982	15.4	7.49
	9:17	882	7.8	9779	626	5.1	8.54	11,664	777	1.3	7.63	0	0	0
	9:32	873	7.6	12955	705	6.5	8.54	4,687	553	3.3	7.87	3480	23.1	7.9
	9:47	0	8	7135	0	7	8.52	0	0	2	8.04	0	1.8	8.08
	10:02	846	8.1	6205	650	8	8.45	6,525	842	2.3	8.1	862	5	8.08
	10:17	836	8.2	9615	995	8	8.46	11,271	757	1.9	8.18	0	0	0
	10:32	818	8	13152	647	8.5	8.46	7,047	756	3.8	8.31	4447	22.9	8.26
	10:47	821	8.3	9473	622	9.1	8.46	11,386	760	2.2	8.41	0	0	0
	11:02	829	8.5	9890	995	10.4	8.46	9,561	750	2.1	8.48	2235	2.9	8.52
	11:17	807	8.2	14004	858	10.4	8.45	0	0	0	0	12629	9.7	8.59
	11:32	0	7.4	11269	643	10.8	8.43	8,350	815	3.8	7.59	4235	12	8.04
AVERAGES/TOTALS		842	7.95	106,861	744	13.6	8.46	73,469	765	2.5	8.01	28,870	11.6	8.12
MAXIMUM		882	8.50	14,004	995	66.3	8.54	11,664	874	3.8	8.48	12,629	23.1	8.59
MINIMUM		807	7.40	3,384	622	5.1	8.25	2,978	553	1.3	7.45	862	1.8	7.49

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
10/22/2020														
	10:17	813	7.5	8097	635	19	8	8,545	855	1.5	6.6	1186	3.4	6.69
	10:32	0	7.7	4753	0	4.9	8	5,466	810	2.2	6.67	235	1.7	6.67
	11:02	809	7.8	3755	673	9	8	4,058	906	1.8	6.57	447	1.8	6.61
	11:17	763	7.5	12196	767	7.5	8.12	6,060	782	1.8	6.55	4908	7.4	6.51
	11:32	764	7.6	10210	607	10.2	8.57	11,272	807	1.8	6.62	995	13.6	6.69
	11:47	772	7.8	9986	730	12.5	8.48	9,258	755	1.1	6.53	2736	1.2	6.48
	12:02	761	7.7	12046	715	14.8	8.36	8,774	662	2.1	7.25	1179	10.7	6.8
	12:17	786	8	10219	621	16.1	8.31	11,346	767	2	7.19	175	9.4	7.23
	12:32	764	7.9	11476	987	17.4	8.23	9,482	666	2	7.13	543	11.8	7.12
	12:47	0	7.3	10395	617	20.1	8.15	11,128	744	1.9	7.1	0	0	0
	13:02	0	6.2	9325	609	21.2	8.08	11,308	755	1.1	7.1	0	0	0
	13:17	0	6	5289	0	21.2	8.03	6,370	751	1	7.12	0	1.1	7.11
AVERAGES/TOTALS		779	7.42	107,747	696	14.5	8.19	103,067	772	1.7	6.87	12,404	6.2	6.79
MAXIMUM		813	8.00	12,196	987	21.2	8.57	11,346	906	2.2	7.25	4,908	13.6	7.23
MINIMUM		761	6.00	3,755	607	4.9	8.00	4,058	662	1.0	6.53	175	1.1	6.48

MONTHLY SUMMARY

AVERAGES/TOTALS	797	6.70	4,103,297	710	113.4	7.01	2,907,451	714	3.3	6.93	1,180,968	27.7	6.93
MAXIMUM	887	8.90	14,631	995	978.2	8.57	14,656	985	9.7	8.48	14,920	49.7	8.59
MINIMUM	721	3.70	38	156	4.9	6.85	105	29	0.3	6.53	4	0.6	6.48

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

MONTHLY DATA SUMMARY

Emerald Gateway

November 2020

Downloaded: 12/2/2020

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
11/3/2020														
	14:02	0	3.8	50	0	0	5.03	0	0	0	0	0	0.4	4.57
	15:17	920	5.2	11296	0	34.8	5.89	0	0	0	0	8321	4.2	6.14
	15:32	895	6.5	1758	702	40.9	6.44	1,938	863	3.9	6.87	218	2.2	6.72
	15:47	884	6.9	9727	610	40.5	6.68	11,787	784	0.6	7.05	0	0	0
	16:02	910	7.4	9148	609	45.1	6.86	11,097	741	0.5	7.24	0	0	0
	16:17	913	7.5	12354	625	45.6	6.99	8,909	602	1.5	7.37	172	9.2	7.37
	16:32	0	7.9	9272	0	44.3	7.12	11,212	751	0.5	7.47	0	0	0
AVERAGES/TOTALS		904	6.46	53,605	637	41.9	6.43	44,943	748	1.4	7.20	8,711	4.0	6.20
MAXIMUM		920	7.90	12,354	702	45.6	7.12	11,787	863	3.9	7.47	8,321	9.2	7.37
MINIMUM		884	3.80	50	609	34.8	5.03	1,938	602	0.5	6.87	172	0.4	4.57
11/13/2020														
	9:17	940	6.7	10695	664	42.9	7.8	6,348	612	2.7	7.59	1317	25	7.55
	9:32	925	7.2	9438	623	17.2	7.88	11,445	764	1	7.72	0	0	0
	9:47	939	7.8	9226	602	31.1	7.96	11,167	745	0.7	7.85	0	0	0
	10:02	941	7.9	12078	653	40.9	8.03	8,893	589	1.4	7.95	0	0	0
	10:17	951	8.5	9462	623	47.2	8.1	11,546	769	0.9	8.04	0	0	0
	10:32	0	8.2	10109	995	50.6	8.16	10,292	687	1	8.09	0	0	0
	10:47	802	7.9	11485	607	49.4	8.2	10,279	686	1.5	8.16	0	9.3	8.12
	11:02	791	8.1	9217	618	49	8.26	11,252	748	0.9	8.21	0	0	0
	11:17	804	8.3	9747	975	49.6	8.29	10,472	699	0.9	8.24	0	0	0
	11:32	791	8.3	11860	610	48.8	8.32	9,747	649	1.6	8.27	0	0	0
	11:47	796	8.6	9262	629	48.2	8.34	11,257	749	0.9	8.3	0	0	0
	12:02	0	8.3	9572	958	46.6	8.35	10,702	715	0.9	8.3	0	0	0
	12:17	805	7.3	11943	584	42.9	8.34	9,644	641	1.5	8.3	0	0	0
	12:32	796	7.6	9225	614	39.9	8.35	11,159	745	1	8.3	0	0	0
	12:47	787	7.9	9184	971	41.1	8.35	10,998	735	0.9	8.28	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:02	813	7.8	12282	608	41	8.34	9,279	616	1.5	8.28	0	0	0
	13:17	808	8	9221	613	42.3	8.34	11,196	747	1	8.26	0	0	0
	13:32	795	8.4	9153	943	44.1	8.34	11,085	740	1	8.26	0	0	0
	13:47	801	8.3	12331	627	43.1	8.34	9,150	610	1.5	8.26	0	0	0
	14:02	0	6.8	12347	643	42.4	8.36	9,001	603	1.5	8.29	0	0	0
	14:17	800	7.1	9290	612	39.1	8.4	11,329	755	1.2	8.34	0	0	0
	14:32	787	7.4	9139	600	41	8.42	11,114	740	1.1	8.35	0	0	0
	14:47	786	7.3	12153	634	41.1	8.42	8,791	588	1.4	8.35	0	0	0
	15:02	784	7.5	9338	624	39.4	8.43	11,364	760	1.3	8.35	0	0	0
	15:17	0	7.3	9087	612	38.4	8.43	11,088	739	1.1	8.34	0	0	0
	15:32	0	7.3	3770	0	36.6	8.41	4,557	733	1.1	8.33	0	1.1	8.34
	AVERAGES/TOTALS	831	7.76	260,614	690	42.1	8.27	263,155	699	1.2	8.19	1,317	11.8	8.00
	MAXIMUM	951	8.60	12,347	995	50.6	8.43	11,546	769	2.7	8.35	1,317	25.0	8.34
	MINIMUM	784	6.70	3,770	584	17.2	7.80	4,557	588	0.7	7.59	1,317	1.1	7.55
11/16/2020														
	11:32	794	6.9	10063	659	32.4	8.02	6,706	618	4.4	7.9	265	6.7	7.88
	11:47	780	7	9305	618	9.7	8.1	11,329	755	3.1	8.06	0	0	0
	12:02	805	7.3	9099	596	24	8.14	11,100	740	2.7	8.12	0	0	0
	12:17	797	7.2	12127	628	32.6	8.14	8,860	593	3.3	8.16	0	0	0
	12:32	802	7.5	9269	592	41.5	8.15	11,293	753	2.9	8.19	0	0	0
	12:47	810	7.8	9058	606	46	8.15	11,059	736	2.7	8.19	0	0	0
	13:02	790	7.7	11999	675	46	8.14	8,776	596	3.5	8.2	183	9.7	8.21
	13:17	780	8	9341	610	49	8.17	11,394	757	3.8	8.25	0	0	0
	13:32	789	8.3	9130	608	49.1	8.21	11,103	740	3.9	8.31	0	0	0
	13:47	790	8.2	11865	833	48.8	8.25	6,764	700	5	8.35	3820	18.8	8.38
	14:02	791	8.3	10463	610	50.7	8.3	9,830	788	7.5	8.42	2289	13.1	8.4
	14:17	778	8.6	9118	603	53	8.33	11,003	737	5.1	8.45	0	0	0
	14:32	789	8.5	11509	994	52.6	8.12	6,653	716	7.4	8.12	4147	23.3	8.07
	14:47	784	8.1	13499	995	52.9	8.05	2,819	758	6.7	8.01	10362	16.4	8.05
	15:02	786	8.1	11085	600	54.2	7.98	10,388	691	2.6	7.95	0	0	0
	15:17	788	8.5	9089	606	54.8	7.92	11,083	737	2.1	7.9	0	0	0
	15:32	0	8.3	9923	995	55.9	7.92	10,222	683	1	7.93	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:47	779	7.3	11389	619	54	7.94	9,821	675	1.9	7.99	358	13.6	7.97
	16:02	786	7.6	9035	594	57.1	7.96	10,981	731	0.8	8.01	0	0	0
	16:17	785	7.7	9430	995	67.6	8	10,443	696	0.9	8.05	0	0	0
	16:32	790	7.7	11689	603	69.7	8.06	9,469	650	1.8	8.13	352	11.7	8.1
	AVERAGES/TOTALS	790	7.84	217,485	697	47.7	8.10	201,096	707	3.5	8.13	21,776	14.2	8.13
	MAXIMUM	810	8.60	13,499	995	69.7	8.33	11,394	788	7.5	8.45	10,362	23.3	8.40
	MINIMUM	778	6.90	9,035	592	9.7	7.92	2,819	593	0.8	7.90	183	6.7	7.88
11/17/2020														
	9:32	788	7.3	6584	593	52.7	8.11	7,032	832	1.1	7.99	847	2	7.97
	9:47	779	7.1	12177	624	13.3	8.16	8,361	590	1.5	8.12	464	13	8.13
	10:02	783	7.3	9103	599	23.4	8.18	11,150	743	0.9	8.19	0	0	0
	10:17	787	7.6	8904	590	35.4	8.18	10,840	723	0.7	8.21	0	0	0
	10:32	774	7.5	11983	648	42.3	8.17	8,287	584	1.3	8.23	474	12.3	8.24
	10:47	791	7.7	9188	605	50.2	8.19	11,156	744	1.1	8.25	0	0	0
	11:02	781	8.1	8892	589	52.1	8.2	10,799	719	0.7	8.26	0	0	0
	11:17	769	8	11696	650	50.5	8.2	8,398	593	1.2	8.27	469	12	8.28
	11:32	775	8.3	9393	590	50.6	8.21	11,070	736	1.1	8.28	0	0	0
	11:47	0	7.2	8815	570	48.1	8.21	10,785	719	0.7	8.27	0	0	0
	AVERAGES/TOTALS	781	7.61	96,735	606	41.9	8.18	97,878	698	1.0	8.21	2,254	9.8	8.16
	MAXIMUM	791	8.30	12,177	650	52.7	8.21	11,156	832	1.5	8.28	847	13.0	8.28
	MINIMUM	769	7.10	6,584	570	13.3	8.11	7,032	584	0.7	7.99	464	2.0	7.97
11/20/2020														
	12:17	783	6	7416	685	50.9	8.06	3,851	572	2.8	7.99	646	4.9	8.02
	12:32	806	6.1	9654	610	13.8	8.16	11,135	738	1.2	8.1	0	0	0
	12:47	782	6.4	8903	590	92.9	8.28	10,906	727	1	8.25	0	0	0
	13:02	777	6.4	11153	849	109.3	8.39	8,693	621	1.8	8.37	715	17	8.42
	13:17	772	6.5	9923	603	107.5	8.21	10,804	717	1.9	8.12	0	0	0
	13:32	765	6.9	8860	585	107.7	7.77	10,913	728	0.9	7.51	0	0	0
	13:47	787	6.9	10744	961	108.7	7.78	8,937	640	1.6	7.68	721	19.1	7.81
	14:02	786	7	10726	598	100.4	7.95	9,990	710	2	7.96	995	12.8	7.91

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:17	788	7.4	8882	585	102.3	8.08	10,840	720	1.1	8.14	0	0	0
	14:32	768	7.5	10357	983	106.5	8.2	9,074	650	1.5	8.27	714	19.9	8.34
	14:47	766	7.5	11054	590	109.8	8.3	9,919	696	2.5	8.39	746	9.8	8.38
	15:02	795	7.7	10319	841	107.2	8.38	6,701	722	1.3	8.48	5721	1.4	8.52
	15:17	778	7.7	11017	995	96.3	7.69	8,924	698	1.5	7.6	2095	6.6	8.31
	15:32	771	7.7	11404	583	99.3	7.45	9,621	689	2.7	7.25	842	12.8	7.25
	15:47	786	8.1	8895	582	105.5	7.48	10,821	723	1.1	7.35	0	0	0
	16:02	779	7.1	12140	594	95.9	7.65	8,600	610	2.8	7.65	677	17.6	7.67
	16:17	784	7.5	8938	590	86.8	7.81	10,950	727	1.4	7.87	0	0	0
	16:32	777	7.8	8817	565	99.7	7.91	10,772	718	1.3	7.99	0	0	0
	16:47	795	7.7	11942	608	100.9	8.02	8,507	604	2.7	8.12	681	15.6	8.14
	17:02	790	8	8960	590	100.3	8.13	10,921	729	1.7	8.26	0	0	0
	17:17	786	8.3	8810	577	100.1	8.23	10,741	716	1.4	8.35	0	0	0
	17:32	793	8.2	11966	623	96.2	8.31	8,409	597	2.4	8.43	660	15.4	8.45
	17:47	748	8.5	8882	605	94	8.35	10,800	740	2.5	8.16	54	1.5	7.3
	18:02	0	7.8	10464	985	95.1	8.43	9,399	659	2	8.14	544	14.4	8.18
	18:17	774	7.4	10557	592	82.3	8.48	10,162	676	2.9	8.19	0	0	0
AVERAGES/TOTALS		781	7.36	250,783	679	94.8	8.06	240,390	685	1.8	8.02	15,811	12.1	8.05
MAXIMUM		806	8.50	12,140	995	109.8	8.48	11,135	740	2.9	8.48	5,721	19.9	8.52
MINIMUM		748	6.00	7,416	565	13.8	7.45	3,851	572	0.9	7.25	54	1.4	7.25
11/24/2020														
	9:17	0	7.1	1352	688	218	8.28	1,559	850	4.5	7.66	81	2.1	7.69
	9:32	800	7	9464	600	16.2	8.4	11,491	766	1.7	7.67	0	0	0
	9:47	798	6.8	12133	628	25.4	8.39	8,368	599	2.5	7.83	720	16.6	7.85
	10:02	790	7	9030	587	41	8.29	11,015	736	1.5	7.84	0	0	0
	10:17	787	7.4	8792	579	50.4	8.26	10,772	718	1.4	7.86	0	0	0
	10:32	781	7.2	11946	618	54.2	8.25	8,404	590	2.5	7.88	544	13.5	7.89
	10:47	778	7.5	8999	598	58.7	8.25	11,012	737	1.9	7.91	0	0	0
	11:02	792	7.9	8781	579	58.5	8.25	10,718	717	1.6	7.93	0	0	0
	11:17	776	7.7	11783	641	56.9	8.26	8,291	582	2.2	7.94	540	13.6	7.95
	11:32	790	8.1	9070	591	56.2	8.25	11,095	742	2.3	7.95	0	0	0
	11:47	796	8.4	8753	578	56.2	8.27	10,710	714	1.7	7.97	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	790	8.3	11514	655	54.3	8.27	8,467	592	2.2	7.97	544	12.4	7.98
	12:17	0	8.5	9341	589	54.2	8.27	10,956	727	2.3	7.98	0	0	0
	12:32	790	7.6	8697	574	50.4	8.28	10,692	713	1.8	7.99	0	0	0
	12:47	771	7.6	11067	760	45.6	8.28	8,510	602	2.2	7.99	535	11.5	7.99
	13:02	0	7.6	9675	575	49.4	8.28	10,637	706	2.2	7.99	0	0	0
	13:17	0	6.5	8621	574	47.6	8.28	10,553	705	1.8	7.99	0	0	0
	13:32	772	5.6	10412	995	41.3	8.29	8,987	600	2.1	7.98	0	0	0
	13:47	977	5.6	11706	524	40	8.3	9,240	857	2	7.97	3538	2.8	7.98
	14:02	951	6.4	7737	511	47.9	8.3	9,428	629	1.9	7.98	0	0	0
	14:17	940	6.9	9498	962	53.8	8.3	8,385	562	2.1	7.98	0	0	0
	14:32	947	7.5	9481	519	55.1	8.31	8,931	593	2.4	7.99	0	0	0
	14:47	0	7.5	10417	958	52.1	8.33	9,616	800	2	8	2967	2.2	8
AVERAGES/TOTALS		824	7.29	218,269	647	55.8	8.29	217,837	689	2.1	7.92	9,469	9.3	7.92
MAXIMUM		977	8.50	12,133	995	218.0	8.40	11,491	857	4.5	8.00	3,538	16.6	8.00
MINIMUM		771	5.60	1,352	511	16.2	8.25	1,559	562	1.4	7.66	81	2.1	7.69

MONTHLY SUMMARY

AVERAGES/TOTALS	808	7.50	1,097,491	670	57.8	8.07	1,065,299	697	2.0	8.04	59,338	10.9	7.87
MAXIMUM	977	8.60	13,499	995	218.0	8.48	11,787	863	7.5	8.48	10,362	25.0	8.52
MINIMUM	748	3.80	50	511	9.7	5.03	1,559	562	0.5	6.87	54	0.4	4.57

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS.
MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

Clear Water SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

NOVEMBER 2021

Downloaded: 12/7/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
11/18/2021														
15:17	0	0	90.4	23	0	0	6.51	0	0	0	0	0	0	6.5
16:02	0	63.8	91	0	0	104	8.82	0	0	0	0	277	30	7.39
16:17	0	59.8	91	5898	0	70.3	9.1	0	0	0	0	0	16.1	8.93
16:32	0	58.5	91	0	0	63.6	8.94	0	0	0	0	100	11.6	8.17
AVERAGES/TOTALS		60.7	90.85	5,921		79.3	8.34					377	19.2	7.75
MAXIMUM		63.8	91.00	5,898		104.0	9.10					277	30.0	8.93
MINIMUM		58.5	90.40	23		63.6	6.51					100	11.6	6.50
11/19/2021														
8:32	0	100.8	89.5	0	483	39.9	7.13	0	0	0	0	43	11.2	6.35
8:47	0	100	89.5	7634	551	63.5	8.59	0	0	0	0	8148	10.4	8.62
9:02	0	102.2	89.5	8469	573	57.7	7.83	1851	569	8.9	7.43	7208	10.1	7.86
9:17	0	102.2	89.6	9446	741	47.8	7.87	152	553	3.6	7.82	8018	10.5	7.8
9:32	0	96.9	89.7	8551	0	38.2	7.23	3377	561	9.3	7.26	4575	10.3	7.43
10:02	765	117	89.8	2492	0	33.1	6.98	2325	584	9	7.21	318	9.3	7.22
10:17	0	118.3	89.7	5305	535	38.1	6.96	5157	574	9.6	7.13	437	9.6	7.13
10:32	724	118.3	89.9	6123	0	41.7	7.02	6522	568	9.4	7.18	0	9.2	7.2
10:47	0	102.5	89.7	4142	762	51	7.12	861	492	9.3	7.24	1886	10.5	7.27
11:02	0	102.2	89.7	8740	530	58.8	7.27	7101	565	8.5	7.42	1227	10.3	7.33
11:17	735	95.6	89.5	3457	0	61	7.37	3575	570	6.9	7.5	147	6.3	7.52
11:47	0	95.7	89.5	7599	540	69.8	7.4	7989	570	5.7	7.49	130	6.3	7.54
12:02	752	89.1	89.4	9352	0	70.2	7.49	5050	506	6.8	7.5	2145	10.3	7.52
12:17	0	81.2	89.2	1521	517	71.2	7.63	1506	597	6.7	7.64	139	7.1	7.58
12:32	0	82.5	89.2	7917	524	70.7	7.74	8473	566	4.7	7.66	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:47	760	78.3	89.1	1028	0	70.1	7.73	1124	563	4.2	7.67	0	4.3	7.67
	13:02	0	77	89.1	5752	537	70.7	7.59	5937	566	3.9	7.59	154	4.2	7.67
	13:17	750	73	89	7496	0	69.7	7.89	5522	504	4.9	7.73	449	8.7	7.84
	13:32	0	74.3	89	2307	518	68.3	7.79	2210	588	5.2	7.81	159	9.1	7.84
	13:47	772	73	89.1	7883	0	67.4	7.6	8456	562	3.6	7.51	0	0	0
	14:02	755	74.3	89.1	263	0	66.4	7.53	283	558	3.2	7.45	0	3.1	7.45
	14:17	0	77	89.1	5325	542	66.2	7.62	5556	570	3	7.52	160	3.1	7.46
	14:32	751	74.3	89.2	8697	57	65.7	7.7	6971	541	3.5	7.55	1022	10.4	7.57
	14:47	0	223.4	89.1	595	581	63.6	7.61	95	418	7.9	7.57	108	10.4	7.56
	15:02	0	218.1	89.2	7599	527	66.1	7.86	7644	566	3.6	7.72	474	10.2	7.6
	15:17	770	104.9	89.2	3647	0	66.8	7.92	3942	562	2.6	7.8	4	2.6	7.82
	15:32	0	97	89.2	3709	504	74.2	7.76	3805	569	2.3	7.75	156	2.7	7.8
	15:47	732	94.4	89.4	6495	0	75.6	7.98	6971	557	2.2	7.8	0	1.9	7.91
	16:17	0	89.1	89.2	9129	537	77.3	7.79	5528	502	5.3	7.61	1540	9.8	7.77
	16:32	756	77	89	5100	0	75.2	7.67	5466	560	2.9	7.51	0	2.4	7.5
	16:47	0	74.3	89	2841	536	72.8	7.69	2872	576	2.5	7.56	159	2.4	7.5
	17:02	0	72.9	88.9	7800	0	71.5	7.78	8360	557	2.3	7.61	0	0	0
	17:17	754	66.3	88.7	2877	734	69.3	7.8	2249	507	3.7	7.7	146	2.2	7.66
	17:32	749	61.1	88.5	9027	493	67.7	7.84	7161	504	4.7	7.66	349	10.5	7.7
	17:47	769	58.4	88.4	7904	532	64.4	7.5	8463	564	2.9	7.44	0	0	0
	18:02	746	58.4	88.4	8081	728	61.3	7.45	8225	554	3	7.35	0	0	0
	18:17	0	59.8	88.5	9399	514	58.5	7.56	7094	502	5	7.41	454	10.5	7.37
	18:32	750	58.4	88.4	8005	528	57.1	7.74	8475	567	2.5	7.57	0	0	0
	18:47	755	57.1	88.4	7953	731	55.9	7.84	8444	566	2.1	7.68	0	0	0
	19:02	0	59.8	88.5	9594	536	54.7	7.91	7031	494	4.4	7.78	342	10.7	7.73
	19:17	0	58.4	88.4	7986	545	54.3	8.02	8521	569	2.5	7.92	0	0	0
	19:32	0	58.4	88.4	7960	697	53.8	8.06	8568	567	2	7.99	0	0	0
	19:47	0	58.4	88.4	9513	0	52.6	8	7081	493	4.2	7.95	332	10.2	7.96

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		753	88.6	89.10	264,713	556	61.6	7.65	215,993	548	4.8	7.58	40,429	7.7	7.58
MAXIMUM		772	223.4	89.90	9,594	762	77.3	8.59	8,568	597	9.6	7.99	8,148	11.2	8.62
MINIMUM		724	57.1	88.40	263	57	33.1	6.96	95	418	2.0	7.13	4	1.9	6.35
11/22/2021															
	8:47	757	31	85.4	4	0	51.8	7.97	0	562	2.8	7.91	0	2.8	7.91
	9:02	743	31.1	86.3	6157	523	23.9	7.82	6366	565	2.1	7.82	154	3.9	7.57
	9:17	0	31.5	84.2	7874	537	26.7	7.94	8350	558	2.6	7.92	0	0	0
	9:32	0	30.2	83.2	9472	543	27.5	7.67	6678	479	4.3	7.67	442	10.3	7.71
	9:47	752	31.5	86.9	6303	0	27.4	7.68	6722	556	3.7	7.65	0	3.3	7.64
	10:02	788	31.6	86.9	3098	506	27.5	7.49	3184	574	3.7	7.58	159	3.6	7.65
	10:17	741	31.6	87	7916	517	27.6	7.21	8433	560	3.5	7.29	0	0	0
	10:32	0	31.6	85.9	9571	529	27.7	7.27	6565	489	6.2	7.29	757	10.4	7.3
	10:47	0	31.6	85.7	7922	505	28	7.39	8393	559	4.4	7.37	0	0	0
	11:02	739	33	86.2	7914	0	27.6	7.42	8336	559	3.2	7.42	0	0	0
	11:17	765	31.7	86.7	552	547	27.2	7.38	437	571	3.2	7.44	156	3.1	7.44
	11:32	743	32.9	86.6	9497	512	27.9	7.55	6606	487	5.5	7.52	717	10.4	7.54
	11:47	0	32.9	85.9	7833	520	28.9	7.67	8273	555	3.8	7.64	0	0	0
	12:02	0	33	85.2	7945	513	28.9	7.76	8356	557	2.8	7.74	0	0	0
	12:17	692	31.7	86.5	9505	557	27.9	7.71	6779	484	4.6	7.73	478	10.5	7.7
	12:32	745	31.7	86.3	7994	529	28.9	7.6	8370	561	3.4	7.61	0	0	0
	12:47	737	31.7	86.1	7883	507	28.9	7.29	8404	560	2.9	7.36	0	0	0
	13:02	0	31.7	85.6	9082	582	29	7.4	6445	485	4.7	7.4	445	10.4	7.44
	13:17	760	33	85.9	7328	544	29	7.49	7469	561	4	7.51	312	10.1	7.5
	13:32	759	31.7	85.9	7887	536	29	7.58	8276	556	2.8	7.57	0	0	0
	13:47	0	33.1	85.9	9114	728	29	7.68	7294	508	3.6	7.69	223	10.5	7.73
	14:02	736	31.7	86.7	8270	547	29	7.61	8026	543	4	7.64	0	7.1	7.63
	14:17	762	31.7	86.4	7183	510	29	7.64	7449	555	2.3	7.68	159	3.4	7.67
	14:32	746	31.7	86.4	8443	731	29	7.38	7669	522	2.6	7.48	115	10.4	7.37

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:47	747	37	86.4	8785	513	29	7.31	7518	519	4.7	7.38	252	10.1	7.37
	15:02	757	92.9	86.4	7962	499	29.2	7.42	8447	563	2.7	7.45	0	0	0
	15:17	731	100.8	86.2	8365	737	32.7	7.58	7972	538	2.4	7.58	103	11.1	7.64
	15:32	0	93	85.7	9024	541	42.8	7.55	7396	517	4.8	7.6	327	9.9	7.67
	15:47	0	87.7	82	7902	509	50.9	7.68	8398	561	2.6	7.69	0	0	0
	16:02	702	200.5	86.4	8056	726	66	7.57	8103	542	2.3	7.68	0	0	0
	16:17	752	142	85.9	9131	524	116.9	7	5768	522	6.1	7.14	1912	10.1	7.22
	16:32	714	86.4	86	7710	517	122.9	7	8333	553	3.6	7.14	0	0	0
	16:47	746	70.3	86	7752	700	116.3	7.2	8214	548	2.8	7.3	0	0	0
	17:02	734	58.4	86.1	9274	516	99.1	7.46	5646	512	5.8	7.52	1881	10.4	7.45
	17:17	739	52.8	86	7750	493	89.6	7.51	8292	555	2.8	7.56	0	0	0
	17:32	0	54.4	86.3	7701	692	79.9	7.63	8285	553	2.2	7.67	0	0	0
	17:47	0	52.8	80.8	9252	0	73.3	7.65	6720	481	5	7.68	502	10.4	7.73
	18:02	0	54.4	78.4	264	0	70.6	7.67	277	549	3	7.7	0	3	7.7
	18:17	0	52.8	76.9	1377	0	65.8	7.72	1327	589	3	7.78	156	4.6	7.73
	18:32	736	61	86.6	1102	515	62	7.74	1029	589	2.5	7.8	152	2.9	7.74
	18:47	726	44.9	85.6	7589	526	61.8	7.55	8120	545	1.2	7.66	0	0	0
	19:02	739	44.9	85.8	8300	713	56.2	7.27	7071	524	1.9	7.38	690	10.5	7.34
	19:17	711	42.2	85.4	8614	525	49.5	7.32	7473	509	3.4	7.38	112	9.9	7.36
	19:32	0	41	85.5	7751	527	45.7	7.41	8329	554	1.8	7.46	0	0	0
	19:47	0	39.6	85.2	7680	0	43.8	7.54	8296	550	1.6	7.59	0	0	0
AVERAGES/TOTALS		741	50.5	85.41	326,088	560	46.7	7.52	303,894	541	3.4	7.56	10,204	7.8	7.57
MAXIMUM		788	200.5	87.00	9,571	737	122.9	7.97	8,447	589	6.2	7.92	1,912	11.1	7.91
MINIMUM		692	30.2	76.90	4	493	23.9	7.00	277	479	1.2	7.14	103	2.8	7.22
11/23/2021															
	8:32	731	224.1	84.9	761	0	43.4	7.58	820	550	1.5	7.63	9	1.5	7.64
	8:47	714	167.1	86.1	4928	520	33.1	7.55	5033	545	0.9	7.62	153	1.7	7.49
	9:02	0	183.2	86.9	7726	660	60.6	7.64	8279	553	1.1	7.7	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:17	730	269.5	88.6	9443	521	80.6	7.74	6708	484	5.1	7.83	499	10.6	7.83
	9:32	756	183.3	87.4	7963	543	98.8	7.44	8460	563	2.6	7.53	0	0	0
	9:47	0	253.7	88.9	9402	533	123.4	7.79	6957	487	4.3	7.81	344	10.7	7.9
	10:02	0	253.7	88	7994	529	123.8	7.88	8291	565	3.5	7.96	145	10.2	8.01
	10:17	741	200.4	88.1	8233	721	119	7.97	8025	537	2.4	8.04	0	0	0
	10:32	732	138	86.4	9060	538	130.1	7.83	7616	515	4.8	7.9	116	10.6	7.98
	10:47	722	95.5	85.9	7942	518	135.1	7.54	8496	563	2.6	7.62	0	0	0
	11:02	744	82.1	85.6	9548	494	119.3	7.6	6891	492	4.3	7.66	505	10.4	7.67
	11:17	752	83.3	85.8	7943	517	107.2	7.74	8504	565	2.2	7.8	0	0	0
	11:32	706	63.6	85.3	8927	696	96.5	7.85	7241	520	3.2	7.92	450	10.5	7.94
	11:47	0	63.6	84.3	8604	505	88	7.91	8070	543	3.8	7.97	153	10.1	7.94
	12:02	0	63.7	81.5	7949	762	81.8	7.91	8428	563	2.1	7.98	0	0	0
	12:17	0	63.7	76.9	3338	0	76.5	7.9	1296	469	5.8	7.98	804	8.4	7.97
	12:32	703	78.2	85.7	1015	538	76.7	7.95	755	611	5.3	8	296	9	7.97
	12:47	711	54.4	85	7805	520	79.5	7.94	8358	557	2	8	0	0	0
	13:02	709	52.8	84.9	7837	736	75.6	7.97	8426	559	1.7	8.03	0	0	0
	13:17	703	44.8	84.7	9425	507	68.7	8	5905	498	3.7	8.05	1528	11.3	8.05
	13:32	727	55.8	85.6	7803	537	61.8	8.03	8373	560	1.6	8.08	0	0	0
	13:47	736	44.9	84.4	9382	515	56.6	7.95	6731	484	3.3	8.01	596	10.5	7.97
	14:02	712	39.6	84.9	7900	543	50.4	7.7	8394	564	2.6	7.77	0	7.6	7.82
	14:17	728	47.6	85.7	8385	745	46.5	7.67	7335	549	2.4	7.72	776	10.4	7.74
	14:32	736	48.9	85.7	8974	505	44.3	7.72	7028	513	4.4	7.75	612	10.2	7.74
	14:47	0	43.6	85	7823	522	43.6	7.8	8320	555	2	7.83	0	0	0
	15:02	0	42.3	82.5	9387	532	43.4	7.87	6602	488	4.5	7.9	689	10.3	7.91
	15:17	693	46.2	84.8	3743	0	42.3	7.88	3985	551	2.3	7.91	0	2	7.91
	15:32	690	33.1	84.9	2715	498	44	7.92	2725	576	1.9	7.94	156	2.5	7.92
	15:47	701	29.1	84.7	8204	739	42.6	7.94	7608	523	2.2	7.95	223	10.8	7.98
	16:02	0	76.9	83.2	8825	520	39.7	7.97	7510	508	3.2	7.99	120	10	7.98
	16:17	0	70.3	81	7405	0	38	7.99	7916	556	1.5	8	0	1.3	8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		722	99.9	85.10	236,389	572	74.1	7.82	215,086	536	3.0	7.87	8,174	8.2	7.88
MAXIMUM		756	269.5	88.90	9,548	762	135.1	8.03	8,504	611	5.8	8.08	1,528	11.3	8.05
MINIMUM		690	29.1	76.90	761	494	33.1	7.44	755	469	0.9	7.53	9	1.3	7.49
11/29/2021															
	8:47	864	23.4	87.1	6650	441	16.8	7.44	4110	402	1.3	7.44	562	11.8	6.78
	9:02	884	18.2	87.5	7518	508	15	7.9	7849	525	1.1	7.87	0	0	0
	9:17	0	23.9	61.6	7824	711	13.6	8.15	7876	524	1.1	8.05	0	0	0
	9:32	869	14.2	86.5	8773	493	13.4	8.09	6777	474	2.8	8.05	322	10.1	8.08
	9:47	893	14.2	88.9	7512	506	12.8	7.87	8050	532	2.4	7.93	0	0	0
	10:02	0	11.6	88.6	9066	502	10.1	7.89	6285	460	5.3	7.91	604	10.2	7.92
	10:17	884	11.6	89.3	7597	505	10.2	8.08	8110	539	5.4	8.02	0	0	0
	10:32	853	35.7	52.8	8445	697	10.2	8.2	7122	500	5.1	8.08	313	10.7	8.16
	10:47	0	14.3	88.3	8306	505	11.2	8.06	7249	512	5.2	8.07	398	9.7	8.18
	11:02	0	13	89.1	7580	658	11.5	7.72	8150	541	3.9	7.83	0	0	0
	11:17	878	13	89.2	9130	489	11.2	7.7	6627	467	5.1	7.81	315	10.6	7.8
	11:32	876	13.7	89.5	7594	516	11.4	7.81	8112	540	3.1	7.84	0	0	0
	11:47	0	11.7	89.5	8960	526	11.5	8.06	6705	470	3.2	8	329	10.5	8.04
	12:02	858	11.7	89.2	7724	494	11.5	8.22	7987	534	2.6	8.14	0	0	0
	12:17	822	19.6	89.8	7855	698	11.5	8.33	7805	523	1.5	8.24	0	0	0
	12:32	0	33.1	63.7	8857	509	11	8.43	6988	480	2.2	8.35	213	10.2	8.31
	12:47	0	18.3	88	7609	498	11.4	8.3	8075	539	1.2	8.29	0	0	0
	13:02	0	11.8	88.9	9045	494	11.5	8.01	6741	463	2.8	8.09	212	9.7	8.08
	13:17	0	11.8	88.9	7596	517	11.5	7.9	8045	536	2	7.97	0	0	0
	13:32	874	11.8	90.2	6927	62	12.8	7.9	6468	507	1.7	7.96	0	5.4	8.01
	13:47	888	11.8	90	6353	499	12.6	7.97	5741	537	2.3	8.01	667	5.9	8.1
	14:02	0	11.8	90.3	7418	494	11.5	8.12	7935	529	1.3	8.12	0	0	0
	14:17	0	11.8	89.9	8975	517	11.5	8.13	6634	450	2	7.95	107	9.9	8.1
	14:32	880	11.8	90.6	7450	442	10.5	7.74	7924	531	1.8	7.84	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:47	874	11.8	90.4	7845	701	10.2	7	7570	506	1.6	7.27	0	0	0
	15:02	0	11.8	90.5	8594	493	10.1	6.67	7045	479	3.6	6.88	101	10.3	6.95
	15:17	872	15.7	90.4	7486	498	9	6.67	7909	530	1.9	6.86	0	0	0
	15:32	0	11.8	90.9	9072	517	9.3	6.76	6628	456	3.6	6.93	204	10	6.91
	15:47	0	11.8	90.4	7469	511	10.1	6.93	7874	532	1.9	7.07	0	0	0
	16:02	0	13.1	90.4	8477	695	9.6	7.04	7105	483	2.3	7.18	111	9.7	7.2
	16:17	0	11.8	90.5	6262	0	8.9	7.09	5654	492	2.6	7.22	0	1.6	7.25
	16:32	878	11.8	89.9	4288	495	9.6	7.2	4449	537	1.6	7.32	142	7.9	7.39
	16:47	865	11.8	89.6	8178	664	10.2	7.34	7163	490	1.7	7.4	110	10.3	7.45
	17:02	879	11.8	89.6	8218	506	10.2	7.55	7353	490	2.5	7.55	0	0	0
	17:17	0	11.8	89.3	7413	519	10.2	7.73	7817	525	1.4	7.68	0	0	0
	17:32	0	11.7	89.2	8911	490	10.2	7.89	6603	449	2.6	7.84	110	10	7.81
	17:47	0	43.6	89.6	7349	482	10.3	8	7789	522	1.3	7.93	0	0	0
	18:02	885	20.9	89.2	8655	495	12.8	8.1	6694	454	1.9	8.02	109	9.4	8.05
	18:17	894	15.6	89.1	7495	492	17.9	8.17	7708	514	1.8	8.09	0	0	0
	18:32	0	27.8	64.4	7421	679	19.2	8.17	7641	511	1.3	8.13	0	0	0
	18:47	885	20.1	88.6	8614	502	18.2	7.65	6713	457	3	7.77	111	10.2	7.91
	19:02	0	23.8	91.3	7258	447	17.2	7.54	7818	521	1.5	7.66	0	0	0
	19:17	0	33.1	91.3	8803	485	16.8	7.62	6613	447	2.8	7.69	110	10.4	7.68
	19:32	0	20.9	90.7	7218	477	16.8	7.73	7745	518	1.6	7.77	0	0	0
AVERAGES/TOTALS		874	16.7	86.88	345,790	522	12.1	7.75	315,256	501	2.5	7.78	5,150	9.3	7.73
MAXIMUM		894	43.6	91.30	9,130	711	19.2	8.43	8,150	541	5.4	8.35	667	11.8	8.31
MINIMUM		822	11.6	52.80	4,288	62	8.9	6.67	4,110	402	1.1	6.86	101	1.6	6.78
11/30/2021															
	8:47	901	15.3	89.9	1203	0	16.8	7.76	1290	516	1.3	7.79	0	1.2	7.8
	9:02	892	15.5	89.5	4516	727	12.8	7.73	4565	519	1.1	7.75	11	4.5	7.64
	9:17	0	16.9	89.6	8708	477	12.8	7.23	6489	447	3.4	7.38	215	9.6	7.5
	9:32	0	16.9	89.5	7338	486	12.8	7.37	7664	521	2.8	7.39	144	11.6	7.35

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	9:47	875	16.9	89.3	8896	494	12.8	7.79	6473	445	4.1	7.7	220	10.1	7.72
	10:02	0	15.6	88.7	7366	490	12.8	7.52	7828	522	3.9	7.54	0	0	0
	10:17	896	18.3	89.5	8000	678	12.9	7.8	7297	492	4.2	7.65	106	10.5	7.69
	10:32	902	15.6	88.9	8289	503	13.4	7.93	7156	484	5.7	7.77	109	10	7.68
	10:47	0	16.9	88.9	7430	490	14	7.74	7791	528	5	7.66	145	12.2	7.94
	11:02	0	15.6	89	9038	486	14.1	7.58	6360	455	7.1	7.48	459	10.3	7.46
	11:17	903	16.9	89.1	4773	0	14.1	7.72	5081	523	5.8	7.55	0	5.5	7.61
	11:32	895	18.3	89	6263	637	14.1	8.1	6580	522	5.4	7.88	147	8.2	7.73
	11:47	910	20.9	89	8914	493	14.2	8.01	6229	445	7	8	476	10.4	8.24
	12:02	0	20.9	88.9	7276	473	15.3	7.52	7762	517	6.9	7.42	0	0	0
	12:17	0	19.6	89	8872	478	15.5	8.03	6150	446	6.9	7.78	526	10.4	7.87
	12:32	862	18.3	89.1	7294	472	15.5	8.3	7609	517	6.3	8.1	153	9.9	7.95
	12:47	900	19.6	89.2	7700	685	16.8	8.28	7346	493	6	8.14	0	0	0
	13:02	0	19.6	88.8	8580	488	16.8	8.03	6091	473	8.3	7.84	1065	10.3	7.9
	13:17	0	19.6	88.8	7254	480	16.7	7.52	7761	516	7.7	7.56	0	0	0
	13:32	0	19.6	88.8	8936	469	16.8	7.64	5629	451	8.3	7.49	1184	10.4	7.5
	13:47	893	18.3	88.9	3346	490	16.8	8.04	3294	526	7.6	7.78	292	9.8	7.88
	14:02	0	18.3	89	7219	495	16.7	7.7	7685	514	7	7.69	0	0	0
	14:17	0	18.3	88.9	8921	444	16.7	7.48	5860	451	8.2	7.42	926	10.4	7.4
	14:32	901	23.8	89.5	7155	470	15.9	7.7	7680	513	7.6	7.53	0	0	0
	14:47	898	19.6	89.1	8376	658	16.4	7.97	6489	469	7.2	7.73	513	10.4	7.86
	15:02	880	18.3	88.6	7806	464	16.8	8.27	7371	498	7.7	8.09	149	10	8.06
	15:17	0	18.3	88.8	7189	675	16.7	7.78	7711	515	7	7.76	0	0	0
	15:32	0	18.3	88.7	8955	489	16.4	7.6	5844	450	8.4	7.53	907	10.4	7.53
	15:47	912	19.6	88.7	7161	482	16	7.67	7661	512	7.3	7.54	0	0	0
	16:02	866	19.6	89	8891	491	16.8	8.1	5817	447	7.9	7.85	937	10.4	7.99
	16:17	0	19.6	88.3	7256	466	16.8	7.97	7735	516	8.1	7.95	0	9	8.16
	16:32	0	19.6	88.2	7715	710	16.8	7.52	6978	489	7.9	7.48	326	11.1	7.5
	16:47	861	27.8	88.4	8470	444	16.7	7.82	5366	497	8.7	7.67	1943	10	7.53

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:02	0	50.2	88.2	7171	479	18.3	7.94	7680	511	7.7	7.82	0	0	0
	17:17	0	37	88.2	8946	477	20.5	8.01	5477	453	8.4	7.85	1368	10.4	7.87
AVERAGES/TOTALS		891	20.1	88.94	261,223	522	15.6	7.80	227,799	491	6.4	7.70	12,321	9.5	7.74
MAXIMUM		912	50.2	89.90	9,038	727	20.5	8.30	7,828	528	8.7	8.14	1,943	12.2	8.24
MINIMUM		861	15.3	88.20	1,203	444	12.8	7.23	1,290	445	1.1	7.38	11	1.2	7.35

MONTHLY SUMMARY

AVERAGES/TOTALS	789	54.0	87.18	1,440,124	545	41.8	7.71	1,278,028	524	4.0	7.69	76,655	8.7	7.69
MAXIMUM	912	269.5	91.30	9,594	762	135.1	9.10	8,568	611	9.6	8.35	8,148	30.0	8.93
MINIMUM	690	11.6	52.80	4	57	8.9	6.51	95	402	0.9	6.86	4	1.2	6.35

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

DECEMBER 2020

Downloaded: 1/5/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
11/3/2020													
14:02	0	3.8	50	0	0	5.03	0	0	0	0	0	0.4	4.57
15:17	920	5.2	11,296	0	34.8	5.89	0	0	0	0	8,321	4.2	6.14
15:32	895	6.5	1,758	702	40.9	6.44	1,938	863	3.9	6.87	218	2.2	6.72
15:47	884	6.9	9,727	610	40.5	6.68	11,787	784	0.6	7.05	0	0	0
16:02	910	7.4	9,148	609	45.1	6.86	11,097	741	0.5	7.24	0	0	0
16:17	913	7.5	12,354	625	45.6	6.99	8,909	602	1.5	7.37	172	9.2	7.37
16:32	0	7.9	9,272	0	44.3	7.12	11,212	751	0.5	7.47	0	0	0
AVERAGES/TOTALS	904	6.46	53,605	637	41.9	6.43	44,943	748	1.4	7.20	8,711	4.0	6.20
MAXIMUM	920	7.90	12,354	702	45.6	7.12	11,787	863	3.9	7.47	8,321	9.2	7.37
MINIMUM	884	3.80	50	609	34.8	5.03	1,938	602	0.5	6.87	172	0.4	4.57
11/13/2020													
9:17	940	6.7	10,695	664	42.9	7.8	6,348	612	2.7	7.59	1,317	25	7.55
9:32	925	7.2	9,438	623	17.2	7.88	11,445	764	1	7.72	0	0	0
9:47	939	7.8	9,226	602	31.1	7.96	11,167	745	0.7	7.85	0	0	0
10:02	941	7.9	12,078	653	40.9	8.03	8,893	589	1.4	7.95	0	0	0
10:17	951	8.5	9,462	623	47.2	8.1	11,546	769	0.9	8.04	0	0	0
10:32	0	8.2	10,109	995	50.6	8.16	10,292	687	1	8.09	0	0	0
10:47	802	7.9	11,485	607	49.4	8.2	10,279	686	1.5	8.16	0	9.3	8.12
11:02	791	8.1	9,217	618	49	8.26	11,252	748	0.9	8.21	0	0	0
11:17	804	8.3	9,747	975	49.6	8.29	10,472	699	0.9	8.24	0	0	0
11:32	791	8.3	11,860	610	48.8	8.32	9,747	649	1.6	8.27	0	0	0
11:47	796	8.6	9,262	629	48.2	8.34	11,257	749	0.9	8.3	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	0	8.3	9,572	958	46.6	8.35	10,702	715	0.9	8.3	0	0	0
	12:17	805	7.3	11,943	584	42.9	8.34	9,644	641	1.5	8.3	0	0	0
	12:32	796	7.6	9,225	614	39.9	8.35	11,159	745	1	8.3	0	0	0
	12:47	787	7.9	9,184	971	41.1	8.35	10,998	735	0.9	8.28	0	0	0
	13:02	813	7.8	12,282	608	41	8.34	9,279	616	1.5	8.28	0	0	0
	13:17	808	8	9,221	613	42.3	8.34	11,196	747	1	8.26	0	0	0
	13:32	795	8.4	9,153	943	44.1	8.34	11,085	740	1	8.26	0	0	0
	13:47	801	8.3	12,331	627	43.1	8.34	9,150	610	1.5	8.26	0	0	0
	14:02	0	6.8	12,347	643	42.4	8.36	9,001	603	1.5	8.29	0	0	0
	14:17	800	7.1	9,290	612	39.1	8.4	11,329	755	1.2	8.34	0	0	0
	14:32	787	7.4	9,139	600	41	8.42	11,114	740	1.1	8.35	0	0	0
	14:47	786	7.3	12,153	634	41.1	8.42	8,791	588	1.4	8.35	0	0	0
	15:02	784	7.5	9,338	624	39.4	8.43	11,364	760	1.3	8.35	0	0	0
	15:17	0	7.3	9,087	612	38.4	8.43	11,088	739	1.1	8.34	0	0	0
	15:32	0	7.3	3,770	0	36.6	8.41	4,557	733	1.1	8.33	0	1.1	8.34
AVERAGES/TOTALS		831	7.76	260,614	690	42.1	8.27	263,155	699	1.2	8.19	1,317	11.8	8.00
MAXIMUM		951	8.60	12,347	995	50.6	8.43	11,546	769	2.7	8.35	1,317	25.0	8.34
MINIMUM		784	6.70	3,770	584	17.2	7.80	4,557	588	0.7	7.59	1,317	1.1	7.55
11/16/2020														
	11:32	794	6.9	10,063	659	32.4	8.02	6,706	618	4.4	7.9	265	6.7	7.88
	11:47	780	7	9,305	618	9.7	8.1	11,329	755	3.1	8.06	0	0	0
	12:02	805	7.3	9,099	596	24	8.14	11,100	740	2.7	8.12	0	0	0
	12:17	797	7.2	12,127	628	32.6	8.14	8,860	593	3.3	8.16	0	0	0
	12:32	802	7.5	9,269	592	41.5	8.15	11,293	753	2.9	8.19	0	0	0
	12:47	810	7.8	9,058	606	46	8.15	11,059	736	2.7	8.19	0	0	0
	13:02	790	7.7	11,999	675	46	8.14	8,776	596	3.5	8.2	183	9.7	8.21
	13:17	780	8	9,341	610	49	8.17	11,394	757	3.8	8.25	0	0	0
	13:32	789	8.3	9,130	608	49.1	8.21	11,103	740	3.9	8.31	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:47	790	8.2	11,865	833	48.8	8.25	6,764	700	5	8.35	3,820	18.8	8.38
	14:02	791	8.3	10,463	610	50.7	8.3	9,830	788	7.5	8.42	2,289	13.1	8.4
	14:17	778	8.6	9,118	603	53	8.33	11,003	737	5.1	8.45	0	0	0
	14:32	789	8.5	11,509	994	52.6	8.12	6,653	716	7.4	8.12	4,147	23.3	8.07
	14:47	784	8.1	13,499	995	52.9	8.05	2,819	758	6.7	8.01	10,362	16.4	8.05
	15:02	786	8.1	11,085	600	54.2	7.98	10,388	691	2.6	7.95	0	0	0
	15:17	788	8.5	9,089	606	54.8	7.92	11,083	737	2.1	7.9	0	0	0
	15:32	0	8.3	9,923	995	55.9	7.92	10,222	683	1	7.93	0	0	0
	15:47	779	7.3	11,389	619	54	7.94	9,821	675	1.9	7.99	358	13.6	7.97
	16:02	786	7.6	9,035	594	57.1	7.96	10,981	731	0.8	8.01	0	0	0
	16:17	785	7.7	9,430	995	67.6	8	10,443	696	0.9	8.05	0	0	0
	16:32	790	7.7	11,689	603	69.7	8.06	9,469	650	1.8	8.13	352	11.7	8.1
AVERAGES/TOTALS		790	7.84	217,485	697	47.7	8.10	201,096	707	3.5	8.13	21,776	14.2	8.13
MAXIMUM		810	8.60	13,499	995	69.7	8.33	11,394	788	7.5	8.45	10,362	23.3	8.40
MINIMUM		778	6.90	9,035	592	9.7	7.92	2,819	593	0.8	7.90	183	6.7	7.88
11/17/2020														
	9:32	788	7.3	6,584	593	52.7	8.11	7,032	832	1.1	7.99	847	2	7.97
	9:47	779	7.1	12,177	624	13.3	8.16	8,361	590	1.5	8.12	464	13	8.13
	10:02	783	7.3	9,103	599	23.4	8.18	11,150	743	0.9	8.19	0	0	0
	10:17	787	7.6	8,904	590	35.4	8.18	10,840	723	0.7	8.21	0	0	0
	10:32	774	7.5	11,983	648	42.3	8.17	8,287	584	1.3	8.23	474	12.3	8.24
	10:47	791	7.7	9,188	605	50.2	8.19	11,156	744	1.1	8.25	0	0	0
	11:02	781	8.1	8,892	589	52.1	8.2	10,799	719	0.7	8.26	0	0	0
	11:17	769	8	11,696	650	50.5	8.2	8,398	593	1.2	8.27	469	12	8.28
	11:32	775	8.3	9,393	590	50.6	8.21	11,070	736	1.1	8.28	0	0	0
	11:47	0	7.2	8,815	570	48.1	8.21	10,785	719	0.7	8.27	0	0	0

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	781	7.61	96,735	606	41.9	8.18	97,878	698	1.0	8.21	2,254	9.8	8.16
MAXIMUM	791	8.30	12,177	650	52.7	8.21	11,156	832	1.5	8.28	847	13.0	8.28
MINIMUM	769	7.10	6,584	570	13.3	8.11	7,032	584	0.7	7.99	464	2.0	7.97
11/20/2020													
12:17	783	6	7,416	685	50.9	8.06	3,851	572	2.8	7.99	646	4.9	8.02
12:32	806	6.1	9,654	610	13.8	8.16	11,135	738	1.2	8.1	0	0	0
12:47	782	6.4	8,903	590	92.9	8.28	10,906	727	1	8.25	0	0	0
13:02	777	6.4	11,153	849	109.3	8.39	8,693	621	1.8	8.37	715	17	8.42
13:17	772	6.5	9,923	603	107.5	8.21	10,804	717	1.9	8.12	0	0	0
13:32	765	6.9	8,860	585	107.7	7.77	10,913	728	0.9	7.51	0	0	0
13:47	787	6.9	10,744	961	108.7	7.78	8,937	640	1.6	7.68	721	19.1	7.81
14:02	786	7	10,726	598	100.4	7.95	9,990	710	2	7.96	995	12.8	7.91
14:17	788	7.4	8,882	585	102.3	8.08	10,840	720	1.1	8.14	0	0	0
14:32	768	7.5	10,357	983	106.5	8.2	9,074	650	1.5	8.27	714	19.9	8.34
14:47	766	7.5	11,054	590	109.8	8.3	9,919	696	2.5	8.39	746	9.8	8.38
15:02	795	7.7	10,319	841	107.2	8.38	6,701	722	1.3	8.48	5,721	1.4	8.52
15:17	778	7.7	11,017	995	96.3	7.69	8,924	698	1.5	7.6	2,095	6.6	8.31
15:32	771	7.7	11,404	583	99.3	7.45	9,621	689	2.7	7.25	842	12.8	7.25
15:47	786	8.1	8,895	582	105.5	7.48	10,821	723	1.1	7.35	0	0	0
16:02	779	7.1	12,140	594	95.9	7.65	8,600	610	2.8	7.65	677	17.6	7.67
16:17	784	7.5	8,938	590	86.8	7.81	10,950	727	1.4	7.87	0	0	0
16:32	777	7.8	8,817	565	99.7	7.91	10,772	718	1.3	7.99	0	0	0
16:47	795	7.7	11,942	608	100.9	8.02	8,507	604	2.7	8.12	681	15.6	8.14
17:02	790	8	8,960	590	100.3	8.13	10,921	729	1.7	8.26	0	0	0
17:17	786	8.3	8,810	577	100.1	8.23	10,741	716	1.4	8.35	0	0	0
17:32	793	8.2	11,966	623	96.2	8.31	8,409	597	2.4	8.43	660	15.4	8.45
17:47	748	8.5	8,882	605	94	8.35	10,800	740	2.5	8.16	54	1.5	7.3
18:02	0	7.8	10,464	985	95.1	8.43	9,399	659	2	8.14	544	14.4	8.18

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:17	774	7.4	10,557	592	82.3	8.48	10,162	676	2.9	8.19	0	0	0
	AVERAGES/TOTALS	781	7.36	250,783	679	94.8	8.06	240,390	685	1.8	8.02	15,811	12.1	8.05
	MAXIMUM	806	8.50	12,140	995	109.8	8.48	11,135	740	2.9	8.48	5,721	19.9	8.52
	MINIMUM	748	6.00	7,416	565	13.8	7.45	3,851	572	0.9	7.25	54	1.4	7.25
11/24/2020														
	9:17	0	7.1	1,352	688	218	8.28	1,559	850	4.5	7.66	81	2.1	7.69
	9:32	800	7	9,464	600	16.2	8.4	11,491	766	1.7	7.67	0	0	0
	9:47	798	6.8	12,133	628	25.4	8.39	8,368	599	2.5	7.83	720	16.6	7.85
	10:02	790	7	9,030	587	41	8.29	11,015	736	1.5	7.84	0	0	0
	10:17	787	7.4	8,792	579	50.4	8.26	10,772	718	1.4	7.86	0	0	0
	10:32	781	7.2	11,946	618	54.2	8.25	8,404	590	2.5	7.88	544	13.5	7.89
	10:47	778	7.5	8,999	598	58.7	8.25	11,012	737	1.9	7.91	0	0	0
	11:02	792	7.9	8,781	579	58.5	8.25	10,718	717	1.6	7.93	0	0	0
	11:17	776	7.7	11,783	641	56.9	8.26	8,291	582	2.2	7.94	540	13.6	7.95
	11:32	790	8.1	9,070	591	56.2	8.25	11,095	742	2.3	7.95	0	0	0
	11:47	796	8.4	8,753	578	56.2	8.27	10,710	714	1.7	7.97	0	0	0
	12:02	790	8.3	11,514	655	54.3	8.27	8,467	592	2.2	7.97	544	12.4	7.98
	12:17	0	8.5	9,341	589	54.2	8.27	10,956	727	2.3	7.98	0	0	0
	12:32	790	7.6	8,697	574	50.4	8.28	10,692	713	1.8	7.99	0	0	0
	12:47	771	7.6	11,067	760	45.6	8.28	8,510	602	2.2	7.99	535	11.5	7.99
	13:02	0	7.6	9,675	575	49.4	8.28	10,637	706	2.2	7.99	0	0	0
	13:17	0	6.5	8,621	574	47.6	8.28	10,553	705	1.8	7.99	0	0	0
	13:32	772	5.6	10,412	995	41.3	8.29	8,987	600	2.1	7.98	0	0	0
	13:47	977	5.6	11,706	524	40	8.3	9,240	857	2	7.97	3,538	2.8	7.98
	14:02	951	6.4	7,737	511	47.9	8.3	9,428	629	1.9	7.98	0	0	0
	14:17	940	6.9	9,498	962	53.8	8.3	8,385	562	2.1	7.98	0	0	0
	14:32	947	7.5	9,481	519	55.1	8.31	8,931	593	2.4	7.99	0	0	0
	14:47	0	7.5	10,417	958	52.1	8.33	9,616	800	2	8	2,967	2.2	8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		824	7.29	218,269	647	55.8	8.29	217,837	689	2.1	7.92	9,469	9.3	7.92
MAXIMUM		977	8.50	12,133	995	218.0	8.40	11,491	857	4.5	8.00	3,538	16.6	8.00
MINIMUM		771	5.60	1,352	511	16.2	8.25	1,559	562	1.4	7.66	81	2.1	7.69

MONTHLY SUMMARY

AVERAGES/TOTALS		808	7.50	1,097,491	670	57.8	8.07	1,065,299	697	2.0	8.04	59,338	10.9	7.87
MAXIMUM		977	8.60	13,499	995	218.0	8.48	11,787	863	7.5	8.48	10,362	25.0	8.52
MINIMUM		748	3.80	50	511	9.7	5.03	1,559	562	0.5	6.87	54	0.4	4.57

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS.
MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

CLEAR WATER SERVICES

MONTHLY SUMMARY REPORT

Emerald Gateway

DECEMBER 2020

Downloaded: 1/12/2021

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
12/2/2020													
12:02	0	6.4	87	59	34.4	8.65	0	0	0	0	0	5.3	7.69
12:17	0	6.3	355	0	16.4	8.64	0	0	0	0	0	5.3	7.69
12:47	776	6.3	5,005	981	109.4	8.73	0	0	0	0	4,530	16	7.67
13:02	0	5.7	14,677	0	34.6	8.75	0	0	0	0	12,835	6.4	7.78
AVERAGES/TOTALS	776	6.18	20,124	520	48.7	8.69					17,365	8.3	7.71
MAXIMUM	776	6.40	14,677	981	109.4	8.75					12,835	16.0	7.78
MINIMUM	776	5.70	87	59	16.4	8.64					4,530	5.3	7.67
12/7/2020													
12:17	782	5.5	390	889	402.3	8.3	0	0	0	0	440	9.9	7.67
12:32	765	5.4	11,143	632	24.8	8.36	10,800	861	7.8	7.75	2,485	22.5	7.67
12:46	754	5.5	9,450	623	32.2	8.35	11,396	759	5	7.83	0	0	0
13:01	826	5.3	12,472	691	42.8	8.28	8,200	602	3.9	7.82	1,000	11.6	7.82
13:17	826	5.5	9,808	627	52.6	8.23	11,848	789	4	7.81	0	0	0
13:32	840	5.9	9,409	621	56.7	8.2	11,347	756	3.6	7.8	0	0	0
13:47	825	5.8	12,246	695	56.5	8.18	8,465	597	3.5	7.79	510	12.8	7.79
14:02	819	6	9,830	638	57.1	8.18	11,858	791	3.8	7.78	0	0	0
14:17	834	6.1	9,431	633	55.5	8.19	11,337	759	3.3	7.79	0	0	0
14:32	822	6.1	12,047	707	53.1	8.23	8,708	609	3.5	7.82	504	12.6	7.83
AVERAGES/TOTALS	809	5.71	96,226	676	83.4	8.25	93,959	725	4.3	7.80	4,939	13.9	7.76
MAXIMUM	840	6.10	12,472	889	402.3	8.36	11,858	861	7.8	7.83	2,485	22.5	7.83
MINIMUM	754	5.30	390	621	24.8	8.18	8,200	597	3.3	7.75	440	9.9	7.67
12/16/2020													

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:31	834	5.9	4,809	698	55.1	8	4,203	938	5.8	7.68	1,470	15.1	7.66
	10:46	823	6	9,819	636	16.8	8.03	11,811	788	4.2	7.72	0	0	0
	11:01	807	6	11,165	987	44.9	8.05	9,544	659	3.6	7.76	362	12.2	7.76
	11:16	798	6	10,900	626	65	8.05	11,061	736	4	7.75	0	0	0
	11:31	812	6.3	9,399	635	73	8.06	11,346	756	3.6	7.76	0	0	0
	11:46	807	6.4	10,616	995	75.7	8.08	9,749	661	3.7	7.77	181	9.6	7.78
	12:01	814	6.5	11,224	628	73.8	8.09	10,708	713	4.4	7.79	0	0	0
	12:16	802	6.8	9,424	612	76.2	8.11	11,309	754	4.6	7.8	0	0	0
	12:31	811	6.9	10,166	994	72.9	8.12	9,829	675	4.5	7.81	290	10.1	7.81
	12:46	824	6.9	11,567	637	73	8.13	10,440	698	5.2	7.82	0	8.8	7.82
	13:02	804	7.3	9,396	618	72.8	8.14	11,295	755	4.6	7.83	0	0	0
	13:16	822	7.5	9,872	980	74.4	8.15	10,385	690	4.5	7.84	0	0	0
	13:31	806	7.4	11,908	629	75.1	8.16	9,927	662	5.3	7.85	0	0	0
	13:46	826	7.7	9,375	603	78.1	8.19	11,342	756	4.8	7.88	0	0	0
	14:01	803	8	9,532	981	75.5	8.22	10,747	717	4.6	7.9	0	0	0
	14:16	816	7.9	12,172	645	76	8.24	9,662	641	5.4	7.92	0	0	0
	14:31	811	8.2	9,368	618	75.6	8.25	11,368	757	4.9	7.92	0	0	0
	14:46	802	8.5	9,244	946	76	8.26	11,149	743	4.7	7.92	0	0	0
	15:01	815	8.3	12,477	629	73.1	8.27	9,136	609	5.7	7.92	0	0	0
	15:16	808	8.6	9,431	628	73.4	8.26	11,367	757	5	7.92	0	0	0
	15:31	0	8.7	9,244	926	71	8.27	11,138	743	4.9	7.92	0	0	0
	15:46	816	8.5	12,355	625	68.7	8.27	9,202	613	5.8	7.93	0	0	0
	16:01	804	8.8	9,402	633	68.7	8.27	11,374	758	5.3	7.94	0	0	0
	16:16	811	8.6	9,289	614	67.9	8.28	11,166	745	5.1	7.93	0	0	0
	16:31	804	7.9	12,338	634	63.1	8.29	9,188	622	6	7.93	175	9.6	7.93
	16:46	778	8.2	9,382	623	64.8	8.29	11,359	758	5.6	7.93	0	0	0
	17:02	0	7.8	9,226	597	73.6	8.3	11,185	745	5.4	7.93	0	0	0
	17:16	0	6.7	11,323	0	69.3	8.33	7,587	605	6.1	7.94	666	10.8	7.94

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	810	7.44	284,423	718	68.7	8.18	288,577	716	4.9	7.86	3,144	10.9	7.81
MAXIMUM	834	8.80	12,477	995	78.1	8.33	11,811	938	6.1	7.94	1,470	15.1	7.94
MINIMUM	778	5.90	4,809	597	16.8	8.00	4,203	605	3.6	7.68	175	8.8	7.66
12/17/2020													
8:31	783	6.6	6,348	657	70.5	8.18	7,043	878	6.7	7.77	547	9	7.76
8:46	781	6.7	9,467	620	48.6	8.24	11,430	763	0.5	7.83	0	0	0
9:01	764	6.8	10,321	990	87.9	8.31	10,047	672	0.7	7.9	0	0	0
9:16	780	6.7	11,437	631	97	8.38	10,484	694	1.1	7.97	0	0	0
9:31	781	6.9	9,377	625	107.2	8.45	11,305	754	0.5	8.03	0	0	0
9:46	753	7.1	9,972	990	107.6	8.5	10,300	687	0.5	8.08	0	0	0
10:01	787	7	11,854	624	107.1	8.54	10,106	681	1.5	8.12	179	9.3	8.09
10:16	788	7.3	9,382	621	107.4	8.58	11,324	755	0.5	8.17	0	0	0
10:31	0	6.7	10,275	995	108.8	8.56	9,707	683	0.6	8.2	465	8.4	7.34
10:46	755	6.7	11,613	631	98.7	7.97	10,304	699	1.3	7.97	174	11.7	7.95
11:01	773	6.9	9,389	625	108.5	8	11,330	755	0.5	7.99	0	0	0
11:16	763	7	9,903	990	115.4	8.03	10,411	698	0.7	8.02	0	0	0
11:31	764	6.9	11,903	613	125	8.07	10,045	674	1.9	8.05	163	9.4	8.03
11:46	767	7.1	9,410	619	118.2	8.12	11,348	758	0.6	8.08	0	0	0
12:01	759	7.3	9,583	995	111.6	8.13	10,831	726	0.5	8.12	0	0	0
12:16	772	7.1	12,203	625	105.7	8.13	9,697	652	1.6	8.14	161	9.4	8.14
12:31	760	7.4	9,440	640	103.5	8.14	11,365	759	0.5	8.15	0	0	0
12:46	768	7.6	9,324	938	101	8.13	11,200	748	0.4	8.17	0	0	0
13:01	776	7.4	12,428	644	99.4	8.13	9,262	619	1.4	8.17	0	0	0
13:16	779	7.6	9,448	631	102.8	8.13	11,412	761	0.5	8.18	0	0	0
13:31	761	7.8	9,293	940	104.7	8.14	11,243	749	0.4	8.19	0	0	0
13:46	764	7.6	12,429	630	102	8.15	9,175	614	1.3	8.19	0	0	0
14:01	765	7.8	9,459	617	103.3	8.16	11,419	761	0.5	8.19	0	0	0
14:16	765	8.1	9,317	621	100.7	8.16	11,277	754	0.4	8.2	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:31	776	7.8	12,401	632	96.6	8.16	9,254	617	1.3	8.2	0	0	0
	14:46	768	8	9,460	616	100	8.18	11,507	767	0.6	8.2	0	0	0
	15:01	758	8.3	9,312	618	93.6	8.18	11,330	755	0.4	8.21	0	0	0
	15:16	767	8.1	12,376	627	86.9	8.18	9,239	618	1.3	8.22	0	0	0
	15:31	778	8.3	9,495	620	84.9	8.18	11,472	766	0.5	8.22	0	0	0
AVERAGES/TOTALS		770	7.33	296,619	711	100.2	8.21	304,867	718	1.0	8.10	1,689	9.5	7.89
MAXIMUM		788	8.30	12,429	995	125.0	8.58	11,507	878	6.7	8.22	547	11.7	8.14
MINIMUM		753	6.60	6,348	613	48.6	7.97	7,043	614	0.4	7.77	161	8.4	7.34
12/21/2020														
	10:01	0	8.1	74	366	61.3	7.5	0	0	0	0	83	0.6	7.56
	10:16	759	6.8	11,657	662	58.5	7.59	7,829	663	3.2	7.62	1,056	9.8	7.59
	10:31	764	6.9	9,663	632	33.5	7.64	11,606	776	1.1	7.69	0	0	0
	10:46	767	7.1	9,455	630	76.3	7.66	11,466	764	0.6	7.74	0	0	0
	11:01	768	6.8	12,444	673	93.3	7.68	8,983	597	1.5	7.77	0	0	0
	11:16	775	7	9,522	632	105	7.71	11,530	769	0.7	7.81	0	0	0
	11:31	755	7.2	9,328	624	104.7	7.73	11,327	754	0.5	7.83	0	0	0
	11:46	782	7.1	12,190	651	105.7	7.75	9,128	606	1.5	7.85	0	0	0
	12:01	774	7.3	9,546	636	109.4	7.76	11,543	772	0.7	7.86	0	0	0
	12:16	777	7.5	9,320	625	128.4	7.78	11,344	755	0.7	7.88	0	0	0
	12:31	759	7.3	12,401	709	161.9	7.82	7,936	600	2.7	7.9	1,531	17.7	7.9
	12:46	778	7.4	9,994	634	199	7.89	11,666	807	4.4	7.92	498	10.5	7.91
	13:01	776	7.5	10,353	864	212.5	7.95	8,439	766	7.5	7.96	3,980	26.3	7.98
	13:16	781	7.1	13,983	143	206.3	7.99	0	0	0	0	12,757	32.2	8
	13:31	760	7.8	5,108	995	246.5	8.02	0	0	0	0	5,811	30.5	8.02
	13:46	794	7.1	14,383	995	256	7.87	326	668	1.7	7.96	11,572	35.2	8.01
	14:01	810	6.9	12,109	995	280.6	7.69	5,522	791	9.3	7.87	5,188	32.7	7.92
	14:16	800	6.4	14,050	995	293.3	7.58	5,342	664	9.3	7.81	5,937	25.7	7.76
	14:31	995	6.1	11,825	995	312.9	7.55	0	0	0	0	4,031	28.6	7.71

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:46	990	7	8,245	0	339.6	7.61	0	0	0	0	0	23.1	7.68
	15:16	0	7.3	5,433	995	231.5	7.68	1,753	633	5.8	7.65	2,017	23.4	7.66
	15:31	983	6.8	11,593	631	188.5	7.71	10,068	780	6.6	7.65	1,990	24	7.64
	15:46	990	7.4	9,362	612	169.2	7.74	11,198	747	2.4	7.67	0	0	0
	16:01	763	7.5	12,496	627	150.5	7.77	8,647	609	2.8	7.7	456	10.6	7.7
	16:16	766	7.7	9,314	596	127.4	7.8	11,204	746	2.2	7.71	0	0	0
	16:31	754	7.7	10,510	995	112.1	7.86	9,036	604	2.3	7.73	0	0	0
	16:46	758	7.7	10,787	604	102.8	7.94	10,847	720	2.6	7.78	0	0	0
	17:01	746	7.5	12,098	634	99.8	7.99	8,920	593	2.9	7.8	0	0	0
	17:16	761	7.8	9,363	583	91.9	8.02	11,270	752	2.5	7.82	0	0	0
	17:31	765	8	9,497	964	90.4	8.06	9,697	648	2.7	7.85	0	0	0
	17:46	766	7.9	11,372	621	160.4	8.13	10,034	666	3.6	7.87	0	0	0
	18:01	756	8.2	9,062	617	246.3	8.25	11,100	736	3	7.92	0	0	0
	18:16	757	7.9	12,707	645	284.7	8.36	7,354	640	5.1	7.98	2,789	14.2	7.98
	18:31	748	8	9,771	839	346.5	8.47	10,067	761	7.2	8.03	1,741	33	8.07
	18:46	760	7.6	13,305	995	351.7	8.55	0	0	0	0	13,539	33.8	8.1
	19:01	762	7.2	13,353	853	391.9	8.64	0	0	0	0	13,916	46.4	8.14
	19:16	750	6.9	12,698	851	413.7	8.72	0	0	0	0	14,925	50.2	8.2
	19:31	985	7.3	10,301	995	423.7	8.75	3,731	835	3.2	8.28	5,749	48.9	8.25
	19:46	995	7.4	13,323	715	431.3	8.63	9,963	708	3.7	8.28	995	43.1	8.28
	20:01	995	7.5	13,100	748	447.7	8.68	10,353	727	5.4	8.31	543	35.6	8.32
	20:16	992	7.6	13,538	877	390	8.41	8,437	691	6.1	8.26	2,736	41	8.2
	20:31	986	7.6	13,827	738	207.2	8.16	6,889	650	3.7	8.13	4,478	24.9	8.19
	20:46	995	8.1	11,049	726	140.2	7.83	13,299	887	6.5	7.96	0	0	0
	21:01	987	8.2	12,939	743	99.6	7.37	10,511	728	8.9	7.45	498	12.1	7.63
	21:16	995	8.3	13,712	754	75.5	7.24	9,173	689	9.2	7.11	1,741	17.7	7.18
	21:31	0	8.6	3,105	0	60.1	7.24	3,606	901	5.1	7.02	161	1.1	7

Date TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS	830	7.44	493,265	737	200.4	7.93	341,144	716	3.9	7.83	120,718	26.2	7.88
MAXIMUM	995	8.60	14,383	995	447.7	8.75	13,299	901	9.3	8.31	14,925	50.2	8.32
MINIMUM	746	6.10	74	143	33.5	7.24	326	593	0.5	7.02	83	0.6	7.00
12/22/2020													
8:46	770	7.6	7,185	645	30.3	6.74	7,750	863	1.2	7.09	791	11.3	7.08
9:01	757	7.6	9,593	962	19.4	6.85	11,473	765	0.5	7.13	0	0	0
9:16	726	7.3	12,640	647	77.7	6.98	8,780	625	1.3	7.18	631	16	7.16
9:31	750	7.5	9,456	625	104.8	7.18	11,396	761	0.5	7.29	0	0	0
9:46	767	7.5	9,736	995	110.8	7.41	10,602	710	0.7	7.41	0	0	0
10:01	738	7.4	12,170	626	105.2	7.64	9,583	675	1.8	7.51	686	17.5	7.48
10:16	751	7.6	9,486	626	111.5	7.88	11,487	764	0.7	7.61	0	0	0
10:31	742	7.7	9,572	995	109.9	7.99	11,156	750	1.2	7.71	0	0	0
10:46	740	7.4	12,693	637	104.9	7.63	8,924	698	2.2	7.58	1,680	19.1	7.64
11:01	750	7.6	9,499	622	112.9	7.52	11,463	764	0.6	7.53	0	0	0
11:16	754	7.8	9,378	927	115.1	7.73	11,275	753	0.6	7.58	0	0	0
11:31	730	7.5	12,905	636	109.6	8.1	8,280	649	3.2	7.69	1,880	19.7	7.68
11:46	737	7.7	9,582	631	112.4	8.4	11,458	767	2.8	7.82	0	0	0
12:01	740	7.5	11,857	995	104.7	8.51	6,902	746	5.1	7.96	4,324	30.7	8.03
12:16	743	7.3	11,173	628	103.3	8.24	10,428	801	3.6	8.05	1,790	18.8	8.04
12:31	744	7.6	9,587	623	110.4	8.19	11,398	762	3.5	8.08	0	0	0
12:46	760	7.4	12,285	778	103.2	8.16	7,936	664	3.9	8.09	2,114	31.4	8.09
13:01	748	7.3	10,226	624	126.7	7.84	11,277	792	1.8	7.95	746	12.4	8
13:16	740	7.6	9,452	603	159.5	7.69	11,299	756	1.9	7.81	0	0	0
13:31	749	7.4	11,817	900	181.3	7.82	6,353	724	6.6	7.79	4,467	41.5	7.81
13:46	744	7	13,081	995	204.6	8.06	3,017	935	6.9	7.81	11,371	35.3	7.82
14:01	742	5.6	12,678	869	206.2	7.88	0	0	0	0	11,011	44.9	7.73
14:16	726	5.6	10,048	625	219.5	7.72	8,493	833	5.6	7.66	3,265	23.2	7.71
14:31	0	6	2,683	0	200.3	7.57	3,204	752	4	7.58	5	4.1	7.55

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:16	722	5.3	12,280	800	171.8	7.6	837	673	7.3	7.4	9,661	25.9	7.42
	15:31	737	5.3	10,364	628	112.7	7.59	11,836	816	3.7	7.45	498	11.5	7.44
	15:46	723	5.4	9,353	619	51.4	7.48	11,115	742	0.9	7.43	0	0	0
	16:01	729	5.2	12,146	672	35.8	7.44	8,432	591	1.6	7.42	504	17.1	7.41
	16:16	728	5.3	9,687	634	62.9	7.55	11,598	773	1.2	7.47	0	0	0
	16:31	717	5.5	9,310	619	89.5	7.9	11,132	742	0.9	7.6	0	0	0
	16:46	719	5.3	11,822	702	96	8.22	8,404	606	1.8	7.72	692	16.8	7.75
	17:01	746	5.4	9,987	637	86.1	7.92	11,524	763	1.3	7.66	0	0	0
	17:16	734	5.6	9,464	613	86.9	7.51	11,222	749	0.8	7.33	0	0	0
	17:31	736	5.5	11,460	735	93.6	7.65	8,815	623	1.2	7.35	514	12.8	7.39
	17:46	734	5.5	10,244	626	93.3	7.98	11,216	744	1.6	7.49	0	0	0
	18:01	740	5.7	9,388	624	95.9	8.24	11,207	748	1.3	7.65	0	0	0
	18:16	728	5.6	11,271	995	98.3	8.44	7,780	708	2.4	7.79	2,795	33.7	7.86
	18:31	741	5.5	11,063	635	94.8	8.4	10,119	750	2.8	7.92	1,425	14.1	7.9
	18:46	744	5.7	9,322	603	80.2	8.05	11,108	739	1.2	7.87	0	0	0
	19:01	726	5.7	10,739	995	86.2	8.04	9,044	653	1.6	7.86	673	16.2	7.88
	19:16	740	5.6	10,904	619	79.4	8.17	10,568	701	2.4	7.91	0	0	0
	19:31	715	5.8	9,368	636	76	8.29	11,253	746	1.6	7.98	0	0	0
	19:46	720	5.8	10,539	995	83.3	8.39	8,774	717	2.2	8.06	1,857	38.8	8.11
	20:01	718	5.6	11,679	639	81	8.48	9,528	728	3.5	8.14	1,679	13	8.12
	20:16	720	5.8	9,414	623	80.5	8.55	11,191	745	2.5	8.21	0	0	0
	20:31	733	5.8	10,162	995	91.8	8.47	9,523	714	3.1	8.28	988	14.3	8.21
	20:46	740	6.2	8,771	653	85.7	7.85	959	94	3.1	8.02	924	4.9	7.92
	21:01	721	6.3	9,409	604	99.7	7.68	11,362	756	1.2	7.71	0	0	0
	21:16	0	6.7	3,975	0	111.2	7.78	4,768	734	0.6	7.71	82	0.6	7.71
	21:31	738	6.6	2,494	603	73.4	7.97	3,011	819	0.5	7.75	0	0.3	7.75
	21:46	722	6.4	11,741	691	59.5	7.99	8,510	603	1.1	7.78	493	11	7.79
	22:01	727	6.4	9,600	613	99.2	8.11	11,260	745	1.2	7.83	0	0	0
	22:16	728	6.5	9,094	628	98.1	8.23	11,061	737	0.9	7.92	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:31	725	6.4	11,393	715	104	8	8,808	622	1.3	7.92	492	12.3	7.91
	22:46	718	6.5	9,962	611	98.6	8	10,996	728	1.3	7.91	0	0	0
	23:01	731	6.7	9,063	601	98.7	8.1	11,049	736	0.8	7.95	0	0	0
	23:16	720	6.6	11,058	995	100.3	8.14	8,779	669	1.6	8.01	1,182	15.2	8.02
	23:31	735	6.6	10,299	602	109.3	7.85	10,687	709	1.2	7.9	0	0	0
	23:46	726	6.9	9,047	587	115.6	7.88	10,986	731	0.6	7.86	0	0	0
AVERAGES/TOTALS		736	6.46	594,654	715	103.8	7.89	542,396	720	2.1	7.73	69,220	18.9	7.76
MAXIMUM		770	7.80	13,081	995	219.5	8.55	11,836	935	7.3	8.28	11,371	44.9	8.21
MINIMUM		715	5.20	2,494	587	19.4	6.74	837	94	0.5	7.09	5	0.3	7.08
12/23/2020														
	0:01	705	6.8	10,500	986	122.7	8	9,162	649	1	7.89	498	10.3	7.91
	0:16	716	6.8	10,607	605	130.9	8.15	10,369	689	1.6	7.95	0	0	0
	0:31	704	7	9,169	616	142.3	7.83	11,072	741	0.7	7.86	0	0	0
	0:46	736	7.1	10,249	960	149.1	7.49	9,550	673	1	7.47	493	10.6	7.44
	1:01	730	7	11,004	615	127.7	7.61	10,147	675	1.4	7.47	0	0	0
	1:16	736	7.2	9,082	604	124.1	7.76	11,057	734	0.6	7.56	0	0	0
	1:31	719	7.3	9,811	995	123.2	7.91	10,080	689	1.2	7.67	167	9.7	7.72
	1:46	735	7.2	11,349	614	115.7	8.08	9,573	667	1.8	7.77	501	12.3	7.73
	2:01	717	7.4	9,187	606	106	7.89	11,061	740	0.7	7.78	0	0	0
	2:16	726	7.5	9,626	995	122.2	7.27	10,471	705	0.8	7.28	0	0	0
	2:31	713	7.3	11,729	605	120.7	7.44	9,354	639	1.7	7.26	322	11.3	7.22
	2:46	719	7.2	9,096	595	127	7.58	11,021	735	0.6	7.37	0	0	0
	3:01	710	7.4	9,063	995	100.2	7.74	10,637	715	0.9	7.49	0	0	0
	3:16	724	7.2	12,061	602	123.6	7.9	8,787	635	2.2	7.61	824	14	7.56
	3:31	718	7.4	9,092	595	133.2	8.04	11,009	735	0.9	7.71	0	0	0
	3:46	713	7.5	8,956	995	139.6	8.16	10,896	727	0.9	7.82	0	0	0
	4:01	719	7.3	12,500	605	122.5	7.82	8,061	645	2.2	7.7	1,793	21.9	7.82
	4:16	722	7.5	9,086	611	131.6	7.58	11,053	735	0.6	7.45	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	4:31	28	7.9	8,948	173	126.5	7.67	10,820	721	0.5	7.49	0	0	0
	4:46	0	7.9	1,744	76	104.6	7.77	1,139	680	0.6	7.54	6	0.3	7.57
	5:01	0	7.8	1,026	68	46.7	7.8	0	0	0	0	0	0.3	7.62
	5:16	0	7.6	1,094	77	32.9	7.9	0	0	0	0	0	0.3	7.64
	5:31	0	7.4	1,045	74	29.5	7.97	0	0	0	0	0	0.4	7.65
	5:46	0	7.3	1,014	80	27.9	8.01	0	0	0	0	0	0.5	7.66
	6:01	0	7.1	1,024	72	26.4	8.03	0	0	0	0	0	0.7	7.66
	6:16	0	7	974	68	25.3	8.05	0	0	0	0	0	0.9	7.68
	6:31	0	6.9	980	62	24.3	8.06	0	0	0	0	0	1.1	7.68
	6:46	0	6.7	925	66	23.8	8.07	0	0	0	0	0	1.4	7.68
	7:01	0	6.6	931	65	22.9	8.08	0	0	0	0	0	1.6	7.68
	7:16	0	6.5	898	60	22.5	8.08	0	0	0	0	0	1.7	7.67
	7:31	0	6.3	908	61	21.4	8.08	0	0	0	0	0	1.8	7.67
	7:46	0	6.2	861	59	21	8.09	0	0	0	0	0	2.2	7.67
	8:01	0	6.1	836	60	20.2	8.09	0	0	0	0	0	2.7	7.66
	8:16	0	6	848	57	19.8	8.09	0	0	0	0	0	2.9	7.65
	8:31	0	5.8	845	59	19.1	8.11	0	0	0	0	0	3.2	7.65
	8:46	744	6.2	2,889	897	41.5	8.11	80	316	6.9	7.64	1,385	8.3	7.65
	9:01	725	6.1	11,066	584	74.1	8.14	10,024	785	2.3	7.66	1,931	13.8	7.65
	9:16	694	6.2	8,987	594	94.3	8.18	10,853	723	0.9	7.74	0	0	0
	9:31	712	6.3	8,955	912	94.3	8.08	10,455	703	0.6	7.79	0	0	0
	9:46	732	6.1	12,062	613	92.4	8	8,782	610	1.5	7.81	443	13	7.81
	10:01	708	6.3	8,969	594	92.4	7.86	10,784	721	0.6	7.76	0	0	0
	10:16	720	6.5	8,769	880	91.7	7.91	10,564	705	0.5	7.76	0	0	0
	10:31	735	6.2	12,166	603	89.7	7.85	8,604	599	1.4	7.76	333	11.9	7.79
	10:46	719	6.4	9,054	588	93.1	7.75	10,888	725	0.6	7.68	0	0	0
	11:01	720	6.6	8,791	856	92.5	7.8	10,616	706	0.8	7.69	0	0	0
	11:16	706	6.3	12,222	610	83.9	7.85	8,469	629	2	7.73	974	14.8	7.73
	11:31	716	6.5	8,990	584	81.2	7.92	10,774	720	0.9	7.76	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:46	717	6.7	8,779	575	85.8	8	10,566	706	0.8	7.8	0	0	0
	12:01	703	6.5	12,149	624	87.7	7.97	8,463	605	2	7.83	607	11.6	7.83
	12:16	722	6.7	9,008	589	90.6	7.96	10,866	724	1	7.84	0	0	0
	12:31	711	6.8	8,774	588	91	8.01	10,529	705	0.7	7.86	0	0	0
	12:46	720	6.6	12,189	624	92.5	7.8	8,295	613	2.1	7.81	1,025	13	7.82
	13:01	718	6.7	9,080	570	91.9	7.76	10,887	726	0.9	7.73	0	0	0
	13:16	714	7	8,759	580	92.3	7.83	10,577	703	0.6	7.75	0	0	0
	13:31	705	6.8	11,808	618	90.1	7.86	8,344	589	1.9	7.78	435	13.5	7.79
	13:46	721	7	9,013	589	91.1	7.9	10,855	726	1	7.79	0	0	0
	14:01	706	7.2	8,709	570	91.5	7.97	10,475	700	0.7	7.82	0	0	0
	14:16	693	6.9	12,087	940	89.3	8	7,453	600	1.9	7.85	1,713	23.2	7.86
	14:31	695	6.5	12,787	600	89.2	7.98	8,490	617	2.9	7.86	953	11.9	7.86
	14:46	700	6.7	8,918	565	90.4	8.01	10,829	721	1.5	7.87	0	0	0
	15:01	723	6.9	8,687	831	89.6	8.04	10,514	702	0.8	7.89	0	0	0
	15:16	705	6.7	11,963	606	90.2	8.02	8,366	602	2.6	7.9	637	14.5	7.91
	15:31	718	6.9	8,967	588	94.4	8.01	10,847	724	1.3	7.89	0	0	0
	15:46	0	7	8,729	0	86.4	8.03	10,532	704	1.5	7.91	0	0	0
	AVERAGES/TOTALS	702	6.85	490,394	521	84.9	7.92	473,100	680	1.3	7.72	15,040	7.7	7.69
	MAXIMUM	744	7.90	12,787	995	149.1	8.18	11,072	785	6.9	7.95	1,931	23.2	7.91
	MINIMUM	28	5.80	836	57	19.1	7.27	80	316	0.5	7.26	6	0.3	7.22
12/30/2020														
	12:31	723	6.7	2,591	994	179.6	6.95	408	599	3.8	7.87	1,610	32.2	7.88
	12:46	724	6.3	12,627	628	13.8	6.99	7,746	768	5.6	7.72	4,034	25.6	7.78
	13:01	735	6.2	10,134	995	32.2	7.04	9,065	741	4.5	7.59	2,054	3.7	7.56
	13:16	893	6.2	12,566	659	44.2	7.07	6,610	854	3.5	7.53	5,433	10.6	7.55
	13:31	890	6.6	9,663	637	54.1	7.1	11,599	774	2.3	7.53	0	0	0
	13:46	903	6.6	12,460	860	54.5	7.11	7,806	712	2.3	7.54	2,850	6.4	7.54
	14:01	898	6.8	10,673	675	58	7.11	11,844	829	1.9	7.54	746	20.9	7.54

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:16	909	6.9	11,599	995	57	7.13	8,676	793	1.2	7.52	2,877	4.4	7.52
	14:31	823	7	11,226	634	57.3	7.13	10,257	744	3.5	7.52	1,079	11.6	7.52
	14:46	824	7.3	9,472	630	57.4	7.15	11,396	758	3.3	7.5	0	0	0
	15:01	817	7.5	10,620	995	56.8	7.17	9,914	696	2.8	7.49	519	30.6	7.48
	15:16	757	7.4	11,627	640	55.1	7.17	9,682	730	3.3	7.47	1,517	12.2	7.48
	15:31	751	7.6	9,482	616	53.6	7.19	11,445	760	2	7.45	0	0	0
	15:46	753	7.6	10,264	995	52.5	7.22	10,505	704	1.7	7.45	0	0	0
	16:01	738	7.4	11,901	641	51.5	7.29	9,212	691	2.8	7.45	1,417	14.4	7.45
	16:16	749	7.6	9,458	615	50.7	7.33	11,433	762	1.4	7.45	0	0	0
	16:31	777	7.5	11,626	950	49.7	7.34	9,369	661	1.7	7.47	516	13.2	7.49
	16:46	742	7.6	10,286	643	49.8	7.34	11,028	736	2.2	7.49	0	0	0
	17:01	753	7.8	9,463	619	48.8	7.35	11,411	759	1.3	7.49	0	0	0
	17:16	758	7.7	11,244	995	49.5	7.35	9,575	674	1.5	7.5	498	12.7	7.51
	17:31	744	7.7	10,655	638	49.2	7.35	10,762	716	2	7.49	0	0	0
	17:46	747	7.9	9,482	636	49.4	7.36	11,433	761	1.2	7.49	0	0	0
	18:01	748	7.9	10,884	995	49.8	7.37	9,815	692	1.3	7.51	499	10.3	7.51
	18:16	754	7.8	10,995	644	49.7	7.37	10,503	699	1.9	7.51	0	0	0
	18:31	758	8	9,486	626	50	7.37	11,384	759	1.1	7.51	0	0	0
	18:46	757	8	10,492	995	49.7	7.37	10,324	701	1.2	7.51	143	9.3	7.51
	19:01	740	7.9	11,338	625	48.2	7.37	10,232	682	1.9	7.51	0	0	0
	19:16	742	8.1	9,481	640	49	7.38	11,376	761	1	7.51	0	0	0
	19:31	750	8.2	10,138	995	49	7.38	10,693	715	1	7.51	0	0	0
	19:46	750	8	11,715	635	47.1	7.38	9,945	663	1.9	7.51	0	0	0
	20:01	0	8.2	9,473	989	48.3	7.38	11,380	761	1	7.51	0	0	0
	20:16	0	7.1	12,275	0	45.2	7.38	5,488	371	2	7.51	0	1.2	7.5
	20:31	731	7.2	7,068	612	39.9	7.37	8,358	745	1	7.49	58	0.9	7.5
	20:46	749	7.3	9,257	605	45.5	7.37	11,020	736	0.9	7.49	0	0	0
	21:01	732	7	12,245	641	47.1	7.37	9,005	601	1.6	7.49	0	0	0
	21:16	733	7.1	9,395	609	46.3	7.37	11,197	746	1.2	7.49	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	21:31	740	7.3	9,280	619	46.5	7.37	11,095	738	0.8	7.48	0	0	0
	21:46	737	7.1	12,126	613	45.5	7.37	9,078	608	1.4	7.48	0	0	0
	22:01	732	7.3	9,543	611	44.8	7.37	11,142	740	1.2	7.47	0	0	0
	22:16	755	7.5	9,250	621	45.2	7.37	11,135	739	0.8	7.47	0	0	0
	22:31	727	7.3	11,719	613	43.9	7.37	9,275	621	1.3	7.47	0	0	0
	22:46	727	7.4	9,876	619	45.2	7.37	10,960	725	1.3	7.47	0	0	0
	23:01	749	7.6	9,256	621	46	7.37	11,103	740	0.9	7.47	0	0	0
	23:16	713	7.5	11,354	995	45.2	7.37	9,506	637	1.3	7.47	0	0	0
	23:31	730	7.5	10,308	618	44.8	7.38	10,700	707	1.2	7.47	0	0	0
	23:46	735	7.7	9,260	615	44.9	7.38	11,117	740	0.8	7.49	0	0	0
AVERAGES/TOTALS		766	7.39	475,333	730	50.9	7.29	457,007	714	1.9	7.51	25,850	13.0	7.55
MAXIMUM		909	8.20	12,627	995	179.6	7.38	11,844	854	5.6	7.87	5,433	32.2	7.88
MINIMUM		713	6.20	2,591	605	13.8	6.95	408	371	0.8	7.45	58	0.9	7.45
12/31/2020														
	0:01	751	7.7	10,947	995	43.9	7.4	9,764	654	1.1	7.49	0	0	0
	0:16	758	7.6	10,614	611	43.6	7.4	10,403	692	1.3	7.5	0	0	0
	0:31	729	7.9	9,253	608	43.8	7.41	11,174	744	0.8	7.5	0	0	0
	0:46	734	7.8	10,537	995	42.9	7.42	9,994	672	1	7.5	0	0	0
	1:01	763	7.8	10,984	627	42	7.42	10,174	675	1.2	7.5	0	0	0
	1:16	731	8	9,285	617	42.8	7.42	11,123	742	0.8	7.5	0	0	0
	1:31	741	8	10,156	995	43.3	7.42	10,238	690	0.8	7.5	0	0	0
	1:46	755	7.9	11,364	614	43	7.42	9,921	656	1.4	7.5	0	0	0
	2:01	736	8.1	9,264	610	43.3	7.43	11,204	744	0.7	7.51	0	0	0
	2:16	750	8.2	9,795	995	42.5	7.45	10,484	703	0.7	7.52	0	0	0
	2:31	741	8	11,735	625	41.3	7.46	3,400	232	1.1	7.54	0	0	0
	2:46	726	8.2	9,255	615	42.7	7.48	0	0	0.6	7.55	0	0	0
	3:01	738	8.3	9,395	995	42.4	7.5	0	0	0.6	7.56	0	0	0
	3:16	742	8.1	12,040	623	40.7	7.51	0	0	1.2	7.56	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	3:31	744	8.4	9,260	615	41.3	7.51	2,586	168	0.6	7.57	0	0	0
	3:46	744	8.5	9,136	957	42	7.53	11,009	735	0.5	7.57	0	0	0
	4:01	730	8.3	12,296	621	41.1	7.53	4,404	302	1.1	7.59	0	0	0
	4:16	740	8.5	9,273	611	42.3	7.54	0	0	0.6	7.59	0	0	0
	4:31	738	8.7	9,103	962	40.6	7.55	0	0	0.5	7.6	0	0	0
	4:46	725	8.5	12,303	604	37.5	7.56	0	0	1.1	7.61	0	0	0
	5:01	724	8.7	9,258	611	36.4	7.58	0	0	0.6	7.63	0	0	0
	5:16	733	8.6	7,451	621	34.9	7.59	2,412	190	0.4	7.63	16	0.4	7.63
	5:31	712	8.3	12,275	654	32.9	7.59	9,003	599	1.1	7.61	0	0	0
	5:46	737	8.3	9,531	628	38.5	7.59	11,403	757	0.6	7.61	0	0	0
	6:01	699	8.5	9,380	614	41.3	7.61	11,190	746	0.5	7.63	0	0	0
	6:16	723	8.2	12,254	652	39.4	7.62	9,104	605	0.9	7.63	0	0	0
	6:31	702	8.3	9,541	637	37.3	7.63	11,391	760	0.6	7.64	0	0	0
	6:46	742	8.5	9,371	614	35.4	7.64	11,196	746	0.5	7.64	0	0	0
	7:01	719	8.3	12,169	634	33	7.64	8,976	600	1.1	7.65	0	0	0
	7:16	695	8.4	9,575	645	33.2	7.64	11,426	759	0.8	7.65	0	0	0
	7:31	711	8.5	9,373	605	33.2	7.64	11,196	747	0.4	7.64	0	0	0
	7:46	719	8.3	11,787	644	33.9	7.64	9,284	619	0.7	7.65	0	0	0
	8:01	702	8.4	9,953	623	34.8	7.66	11,187	743	0.7	7.66	0	0	0
	8:16	724	8.6	9,417	636	37.8	7.67	11,208	748	0.4	7.66	0	0	0
	8:31	709	8.4	11,462	995	40.6	7.68	7,304	525	0.9	7.68	496	12.3	7.68
	8:46	0	8.5	3,153	995	40.8	7.69	0	0	1.5	7.68	0	1.2	7.68
	9:01	0	6.8	12,030	637	35.8	7.71	0	0	1.4	7.7	0	0.5	7.7
	9:16	0	5.6	9,452	632	28.8	7.71	0	0	0.7	7.69	0	0	0
	9:31	703	5.5	4,969	805	28.9	7.72	0	0	0.6	7.71	3,709	0.4	7.71
	9:46	716	5.1	12,342	995	28.7	7.72	4,763	581	1	7.71	6,200	0.3	7.71
	10:01	726	5	10,677	597	40.9	7.74	9,923	659	1.4	7.71	0	0	0
	10:16	690	6.1	6,395	0	45.4	7.74	7,387	703	1.4	7.72	127	1.4	7.72
	10:31	717	6.3	5,560	605	47.1	7.72	6,431	735	1.2	7.73	48	1	7.73

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:46	700	6.1	11,842	623	41	7.72	8,400	556	1.5	7.71	0	0	0
	11:01	689	6.1	9,289	594	40.1	7.72	10,936	726	1.4	7.71	0	0	0
	11:16	755	6.4	9,107	593	40.9	7.72	10,746	715	0.8	7.71	0	0	0
	11:31	771	6.4	11,608	678	40.6	7.72	8,801	588	1.2	7.71	0	0	0
	11:46	781	6.5	9,849	617	40.6	7.72	11,007	733	0.9	7.71	0	0	0
	12:01	768	6.8	9,230	613	41.4	7.72	10,890	727	0.6	7.71	0	0	0
	12:16	789	6.8	11,312	980	40.2	7.72	9,015	601	1.1	7.72	0	0	0
	12:31	767	6.9	10,522	646	38.2	7.75	10,777	718	0.9	7.73	0	0	0
	12:46	750	7.1	9,546	634	38.3	7.77	10,975	731	0.6	7.74	0	0	0
	13:01	774	7.2	11,177	995	37.9	7.81	9,287	621	1.4	7.76	0	0	0
	13:16	768	7.2	10,875	634	34.8	7.84	10,487	698	1.2	7.78	0	0	0
	13:31	762	7.4	9,579	638	35	7.89	11,051	736	0.8	7.81	0	0	0
	13:46	775	7.4	10,818	995	34.1	7.92	8,935	595	1.1	7.83	0	0	0
	14:01	786	7.5	9,487	995	32.2	7.94	947	78	1.3	7.85	148	0.5	7.87
	14:16	800	7.3	11,918	629	31	7.98	9,527	631	1.2	7.88	0	0	0
	14:31	761	7.7	9,320	629	31.4	8.02	11,006	735	0.6	7.9	0	0	0
	14:46	761	6.6	12,339	623	28.8	8.08	8,777	605	1.4	7.94	332	11.1	7.94
	15:01	0	7.1	8,198	0	25.6	8.11	9,748	735	0.7	7.97	0	0.7	7.98
AVERAGES/TOTALS		738	7.58	609,386	713	38.3	7.65	461,974	635	0.9	7.66	11,076	2.7	7.76
MAXIMUM		800	8.70	12,342	995	47.1	8.11	11,426	760	1.5	7.97	6,200	12.3	7.98
MINIMUM		689	5.00	3,153	593	25.6	7.40	947	78	0.4	7.49	16	0.3	7.63

MONTHLY SUMMARY

AVERAGES/TOTALS	760	7.11	3,360,424	681	90.2	7.85	2,963,024	698	2.1	7.74	269,041	14.4	7.75
MAXIMUM	995	8.80	14,677	995	447.7	8.75	13,299	938	9.3	8.31	14,925	50.2	8.32
MINIMUM	28	5.00	74	57	13.8	6.74	80	78	0.4	7.02	5	0.3	7.00

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS.
MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

MONTHLY SUMMARY REPORT

Emerald Gateway

DECEMBER 2021

Downloaded: 1/10/2022

Date TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
12/1/2021														
7:32	0	16.6	83.6	5820	0	20.8	8.23	6282	511	7.7	8.06	0	7.3	8.14
14:02	0	402.9	82.4	5815	653	17.9	7.81	6086	519	6.2	7.82	147	9.7	7.6
14:17	0	357.9	81.9	4310	0	17.8	7.82	1742	366	7.4	7.84	649	9.2	7.84
AVERAGES/TOTALS		259.1	82.63	15,945	653	18.8	7.95	14,110	465	7.1	7.91	796	8.7	7.86
MAXIMUM		402.9	83.60	5,820	653	20.8	8.23	6,282	519	7.7	8.06	649	9.7	8.14
MINIMUM		16.6	81.90	4,310	653	17.8	7.81	1,742	366	6.2	7.82	147	7.3	7.60
12/2/2021														
9:17	886	22	83.2	6980	482	14	7.21	7098	514	5.7	7.45	428	10.1	7.49
9:32	0	20.7	83.8	7113	652	15.7	7.06	7656	508	6.3	7.23	0	0	0
9:47	0	26	83.8	8887	468	16.9	7.32	5609	439	8.1	7.44	1080	10.3	7.4
10:02	868	23.4	84.9	7148	479	18	7.56	7621	510	6.8	7.64	0	0	0
10:17	886	38.2	84.2	8793	490	19	7.69	5679	438	7.1	7.75	928	10.6	7.78
10:32	0	24.7	84.3	7177	489	20.2	7.86	7567	513	7.7	7.88	143	10	7.82
10:47	933	23.5	84.9	7687	733	20.8	7.98	6942	487	7.6	7.96	336	12.1	7.98
11:02	913	26.4	84.6	8475	478	21.6	8.09	5366	499	8.6	8.1	1940	10	8.03
11:17	0	26.4	84.3	7166	486	22.9	7.84	7643	510	7.3	7.96	0	0	0
11:32	863	33	84.1	8908	478	23.3	7.56	5589	447	8.2	7.68	1175	10.5	7.69
11:47	845	23.5	84.9	7125	470	23.4	7.88	7664	509	7.4	7.92	0	0	0
12:02	872	33	84.3	8347	685	23.5	8.09	6217	466	7	8.06	650	10.7	8.11
12:17	433	22.1	85.2	7725	460	23.6	7.75	7009	491	8	7.85	423	10.4	7.56
12:32	0	22.1	84.8	7123	655	23.4	7.73	7640	508	6.5	7.86	0	0	0
12:47	893	25.1	85	8860	472	23.4	7.82	5651	443	7.8	7.92	1077	10.5	7.9
13:02	582	22.1	85.3	7112	466	23.4	7.95	7564	506	6.4	8	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:17	890	43.6	84.4	8795	461	23.4	8.03	5715	439	6.8	8.07	922	10.8	8.09
	13:32	0	23.5	84.7	7136	459	23.9	7.93	7507	510	6.7	8.04	143	9.7	8.13
	13:47	878	31.7	85	7589	733	24.5	7.78	7035	482	5.7	7.9	207	12	7.93
	14:02	902	23.5	85.2	8305	480	23.7	7.82	6206	465	7.4	7.94	860	10.2	7.93
	14:17	920	22.1	85.2	7094	475	24.6	7.87	7542	503	5.7	7.96	0	0	0
	14:32	0	33	84.3	8816	489	24.9	7.98	5794	437	6.8	8.05	827	10.5	8.05
	14:47	899	23.5	85.2	7016	461	24.9	7.86	7561	503	5.9	7.98	0	0	0
	15:02	875	37	84.8	8243	634	24.9	7.82	6331	459	5.9	7.95	525	10.6	7.93
	15:17	0	25.1	84.9	7590	475	24.8	7.77	7040	482	6.7	7.91	279	10.2	7.9
	15:32	0	23.5	84.8	7046	664	24.9	7.8	7533	502	5.3	7.92	0	0	0
	15:47	919	29.1	84.9	8810	463	24.9	7.91	5949	435	6.9	8	678	10.6	7.99
	16:02	0	22.1	84.9	7001	482	24.6	8.03	7507	500	5.6	8.08	0	0	0
	16:17	912	23.5	85	8734	462	23.7	8.09	5672	430	6.2	8.14	827	10.7	8.16
	16:32	0	20.8	84.9	7043	476	23.4	7.87	7432	502	6.1	8.04	146	9.7	8.18
	16:47	438	22.1	85.1	7498	739	23.1	7.71	6905	475	5.2	7.86	220	11.9	7.91
	17:02	878	22.1	85	8207	476	22	7.83	6219	457	6.7	7.97	684	10.2	7.94
	17:17	0	23.5	84.6	6975	464	22	7.92	7470	496	5.2	8.01	0	0	0
	17:32	885	23.4	84.7	8738	444	22	8.04	5725	429	6.6	8.1	796	10.7	8.1
	17:47	0	24.7	84.5	6939	448	21.8	8.14	7459	495	5.4	8.17	0	0	0
	18:02	878	25.1	84.7	8103	667	21.5	7.95	6074	449	5.9	8.08	649	10.6	7.93
	18:17	0	24.7	84.2	7462	481	21.5	7.89	6845	473	6.6	8.01	296	10.1	7.96
	18:32	891	26.4	84.5	6890	691	21.3	7.83	7332	491	5	7.98	0	0	0
	18:47	23	27.7	84.2	8694	480	22	7.83	5679	425	6.6	7.97	800	10.5	7.95
	19:02	923	30.3	84.3	6858	422	22	7.96	7371	491	5.5	8.03	0	0	0
	19:17	918	27.7	84.3	8652	462	22.1	8.02	5528	422	6.1	8.09	896	10.8	8.1
	19:32	794	26.4	84.1	6897	446	23.3	8.08	7261	493	5.9	8.14	152	9.9	8.13
	19:47	0	26	84.1	7376	729	23.4	7.85	6771	464	5.1	8.01	212	12.1	7.96

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		814	26.1	84.61	333,133	526	22.4	7.84	289,978	477	6.5	7.93	18,299	10.6	7.93
MAXIMUM		933	43.6	85.30	8,908	739	24.9	8.14	7,664	514	8.6	8.17	1,940	12.1	8.18
MINIMUM		23	20.7	83.20	6,858	422	14.0	7.06	5,366	422	5.0	7.23	143	9.7	7.40
12/3/2021															
	8:32	0	9.9	79.5	8375	442	22.3	7.7	6007	461	7	7.87	1162	9.7	7.84
	8:47	0	10.1	80.4	6779	454	20.6	7.67	7241	485	4.8	7.86	0	0	0
	9:02	894	39.4	82.2	8727	457	20.5	7.33	5551	425	6.6	7.6	987	10.7	7.44
	9:17	860	26	83.9	6913	462	21.3	7.12	7419	495	3.4	7.48	0	0	0
	9:32	0	23.4	83.9	8261	626	22.8	7.01	5501	464	5.8	7.32	1396	10.5	7.22
	9:47	895	24.7	83.7	7485	459	22	7.01	6856	474	7.1	7.25	296	10.2	7.23
	10:02	922	27.3	83.8	6838	657	22	7.09	7303	486	5.3	7.3	0	0	0
	10:17	857	34.2	82.7	8789	459	22.8	7.29	5197	432	7.7	7.5	1383	10.6	7.47
	10:32	0	28.9	83.7	6811	467	24.7	7.48	7302	487	5.9	7.66	0	0	0
	10:47	0	27.7	83.5	8667	438	25.8	7.36	5128	431	6.8	7.63	1355	10.5	7.44
	11:02	0	27.7	82.7	6892	436	24.7	7.13	7183	487	6.4	7.36	148	10.5	7.36
	11:17	876	29	83.6	7325	727	24.7	7.21	6629	458	5.2	7.44	214	12.4	7.47
	11:32	885	30.3	83.5	8121	473	25.1	7.29	5789	456	7.4	7.52	1089	10.3	7.49
	11:47	0	27.7	83.8	6780	451	26.8	7.44	7276	485	5.6	7.63	0	0	0
	12:02	0	24.7	83.5	8663	445	27	7.58	5277	424	7	7.77	1184	10.6	7.78
	12:17	857	27.7	83.6	6759	447	26.3	7.59	7220	480	5.4	7.81	0	0	0
	12:32	886	35.6	82.9	8067	662	26.2	7.23	5720	441	5.4	7.51	856	10.6	7.46
	12:47	868	27.7	83.6	7342	443	25.5	7.28	6730	462	6.7	7.51	296	10.3	7.5
	13:02	0	27.7	83.9	6746	652	26.3	7.39	7209	480	5.1	7.6	0	0	0
	13:17	0	24.7	83.4	8615	454	26	7.51	5183	416	6.9	7.72	1171	10.6	7.71
	13:32	0	23.5	82.5	6621	0	24.8	7.52	7141	477	4.7	7.74	0	0	0
	13:47	0	26.4	83.4	7209	545	25	7.55	4902	423	5.4	7.76	523	9.4	7.78
	14:02	0	25.1	83.6	6724	0	24.8	7.62	6260	464	5.8	7.83	408	9.6	7.82
	17:17	874	24.7	80.8	5235	443	23.5	7.6	5584	484	4.1	7.82	0	4.9	7.65

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	17:32	882	27.7	81.1	8558	436	23.4	7.73	5440	410	5.6	7.92	829	10.6	7.92
	17:47	0	24.7	81.2	6602	451	23.4	7.81	7095	472	5.5	7.99	0	0	0
	18:02	0	20.8	81.1	7801	681	22.6	7.33	5885	434	5.2	7.65	640	10.7	7.47
	18:17	900	29	81.1	7377	436	22.1	7.15	6586	452	6.3	7.39	300	10.1	7.36
	18:32	880	24.7	81.4	6619	629	23.4	7.13	7070	469	4.8	7.39	0	0	0
	18:47	0	22.1	81.5	8602	440	23.4	7.11	5244	417	7.2	7.37	1153	10.5	7.36
	19:02	878	35.6	82.4	6637	671	22.7	6.95	6988	469	5.7	7.21	0	0	0
AVERAGES/TOTALS		881	26.4	82.64	230,940	512	24.0	7.36	195,916	458	5.9	7.59	15,390	10.2	7.54
MAXIMUM		922	39.4	83.90	8,789	727	27.0	7.81	7,419	495	7.7	7.99	1,396	12.4	7.92
MINIMUM		857	9.9	79.50	5,235	436	20.5	6.95	4,902	410	3.4	7.21	148	4.9	7.22
12/6/2021															
	7:32	894	13.9	74.1	8382	440	17.5	6.87	4594	421	6.7	7.02	1557	8.6	6.81
	7:47	0	8.7	76	6605	436	10.6	6.99	7006	467	3.8	7.09	0	0	0
	8:02	0	10.1	76	8529	454	11.1	7.06	5644	408	4.8	7.19	527	10.8	7.2
	8:17	904	14.1	77.9	5412	0	10.2	7.08	5675	471	4.9	7.22	146	9.3	7.22
	8:32	890	8.8	78.8	2824	427	11.5	7.11	2850	495	4.7	7.25	151	4.5	7.25
	8:47	877	12.8	80.6	7939	670	11.5	7.22	5670	432	5	7.32	748	10.5	7.38
	9:02	0	11.5	79.9	7336	422	12	7.36	6628	456	6	7.48	295	10	7.45
	9:17	0	15.5	78.8	6565	639	11.5	7.39	7008	468	4.6	7.54	0	0	0
	9:32	873	26	80.8	8589	444	11.5	7.39	5219	411	6.1	7.54	1044	10.4	7.54
	9:47	888	14.2	80	6511	428	11.8	7.42	6944	464	4.8	7.56	0	0	0
	10:02	884	14.2	79.9	8469	460	12.8	7.53	5502	407	5.7	7.65	630	10.5	7.67
	10:17	0	12.8	79.7	6682	430	13.1	7.63	6797	471	5.6	7.75	295	10	7.71
	10:32	0	14.2	79.9	7092	679	14.1	7.71	6622	442	5	7.82	0	0	0
	10:47	0	16.9	79	8010	447	14	7.72	5648	435	6.4	7.85	929	10.4	7.84
	11:02	0	22.1	77.4	6461	437	13.9	7.72	6904	461	4.8	7.85	0	0	0
	11:17	0	14.2	76.9	1520	0	14	7.72	1609	459	4.4	7.85	0	4.4	7.85
	11:47	869	14.2	80.3	5090	416	14.1	7.7	5331	471	4	7.87	145	4.4	7.77

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:02	0	14.2	80.6	6439	423	14.1	7.79	6895	459	3.8	7.91	0	0	0
	12:17	0	14.2	80.1	6432	429	14.1	7.83	6888	459	3.9	7.96	0	0	0
	12:32	0	16.9	78.3	6415	432	13.8	7.83	6794	456	3.5	7.96	0	0	0
	12:47	880	15.5	80.4	6375	418	12.9	7.83	6776	453	3.5	7.96	0	0	0
	13:02	902	14.2	80.3	6321	441	12.8	7.86	6742	452	3.3	7.98	0	0	0
	13:17	0	11.6	80.6	6347	422	12.8	7.9	6804	453	3.4	8.01	0	0	0
	13:32	0	13.2	79.9	6344	423	12.8	7.59	6754	450	3.3	7.76	0	0	0
	13:47	0	15.6	78.5	6280	415	12.8	7.76	6720	447	3.2	7.89	0	0	0
	14:02	895	15.6	80.7	6242	428	12.8	7.78	6644	444	3.1	7.92	0	0	0
	14:17	901	11.6	80.2	6217	398	11.6	7.5	6663	443	3.1	7.79	0	0	0
	14:32	828	11.6	80.6	6230	409	11.5	6.95	6693	444	3.3	7.27	0	0	0
	14:47	0	11.6	80.5	6252	435	11.5	6.92	6672	445	3.5	7.15	0	0	0
	15:02	0	12.9	79.6	6215	419	11.5	7	6646	443	3.4	7.2	0	0	0
	15:17	0	14.2	76.9	6197	420	11.5	7.03	6617	441	3.3	7.23	0	0	0
	15:32	877	11.6	81.6	6186	431	11.5	7.05	6568	439	3.2	7.25	0	0	0
	15:47	885	11.6	81.8	6139	399	11.4	7.08	6542	438	3.2	7.27	0	0	0
	16:02	0	12.9	81.5	6148	432	11.1	7.21	6559	438	3.3	7.37	0	0	0
	16:17	0	11.6	81	6124	389	10.3	7.33	6536	437	3.2	7.48	0	0	0
	16:32	0	15.6	78.4	6068	403	10.2	7.37	6536	434	3	7.53	0	0	0
	16:47	0	9	78.8	4839	0	10.2	7.38	5157	431	2.9	7.55	0	2.8	7.56
	17:32	875	10.3	78.7	3570	392	10.3	7.35	3717	448	2.7	7.58	135	2.8	7.55
	17:47	0	10.3	79.3	6016	393	10.2	7.42	6462	429	2.2	7.59	0	0	0
	18:02	0	9	79.4	6025	388	10.2	7.51	6416	428	2.2	7.66	0	0	0
	18:17	0	10.3	78.4	5915	395	10.2	7.53	6381	425	2.2	7.7	0	0	0
	18:32	892	9	80.6	5915	386	10.2	7.54	6315	423	2.1	7.72	0	0	0
	18:47	0	10.3	80.6	5953	374	10.2	7.57	6331	423	2.2	7.74	0	0	0
	19:02	0	9	80.1	5898	415	9.9	7.63	6278	419	2.2	7.79	0	0	0

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		883	13.1	79.40	275,118	438	12.0	7.44	269,757	444	3.9	7.59	6,602	7.8	7.49
MAXIMUM		904	26.0	81.80	8,589	679	17.5	7.90	7,008	495	6.7	8.01	1,557	10.8	7.85
MINIMUM		828	8.7	74.10	1,520	374	9.9	6.87	1,609	407	2.1	7.02	135	2.8	6.81
12/7/2021															
	8:32	0	4.3	72.2	1030	0	9.7	7.64	965	431	2.2	7.81	109	2.2	7.81
	9:02	0	14.1	79.6	513	421	12.4	7.16	395	538	6.9	7.28	138	2.5	6.79
	9:17	0	14.1	79.4	6037	395	14.3	7.51	6164	418	2	7.57	137	16.4	7.47
	9:32	0	14.1	78.3	4902	0	13.6	7.59	5119	409	1.3	7.71	0	1.4	7.72
	10:17	0	19.4	81.8	5927	389	11.3	7.38	6069	418	1.6	7.62	136	5.9	7.77
	10:32	0	16.9	80	5826	390	8.9	7.37	6085	405	1.5	7.54	0	0	0
	10:47	858	12.5	81.2	3068	395	9.1	7.27	3122	430	1.9	7.48	137	6.2	7.58
	11:02	0	14.2	81.4	5838	401	9.9	7.36	6082	408	1.6	7.48	0	0	0
	11:17	0	11.6	82.4	5849	377	10.2	7.48	6110	408	2	7.59	0	0	0
	11:32	864	26.4	79.9	8100	412	10.3	7.51	4487	401	4.6	7.65	1586	11.6	7.63
	11:47	867	16.9	80.4	6484	441	12.8	7.57	6768	451	4.1	7.71	0	0	0
	12:02	0	15.5	80.1	8020	597	14.4	7.48	5655	409	5.1	7.66	546	10.3	7.65
	12:17	0	12.9	79.7	6969	423	14.2	7.42	6422	450	5.5	7.6	423	10.6	7.63
	12:32	0	10.2	79	3308	0	14.1	7.43	3336	448	4.7	7.59	114	5	7.6
	13:17	0	11.6	81.3	956	0	14.6	7.33	824	553	5.1	7.75	147	7.7	7.76
	14:47	889	10.3	82.7	5666	422	13.4	7.46	5728	450	4.4	7.7	150	8.3	7.8
	15:02	862	7.7	82.5	6336	413	12.5	7.56	6623	443	4	7.74	0	0	0
	15:17	0	23.5	81.9	7570	616	11.4	7.61	5560	408	4.7	7.8	541	10.2	7.83
	15:32	873	16.9	81.5	7143	423	10.2	7.34	6144	438	5.6	7.55	469	10.2	7.39
	15:47	0	14.2	81.9	6413	439	10.2	7.44	6668	446	4.4	7.62	0	0	0
AVERAGES/TOTALS		869	14.4	80.36	105,955	435	11.9	7.45	98,326	438	3.7	7.62	4,633	7.8	7.60
MAXIMUM		889	26.4	82.70	8,100	616	14.6	7.64	6,768	553	6.9	7.81	1,586	16.4	7.83
MINIMUM		858	4.3	72.20	513	377	8.9	7.16	395	401	1.3	7.28	109	1.4	6.79
12/8/2021															

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	8:02	0	4.3	68.2	2252	0	10.2	7.54	2349	445	4.1	7.73	0	4.1	7.74
	8:17	0	24.5	79.3	4566	429	13.3	7.28	4570	448	3.6	7.58	134	11.3	7.26
	8:32	0	20.7	80.3	6647	428	10	7.53	5627	442	3.2	7.79	1304	3.6	7.77
	8:47	0	42.1	79.6	8059	434	10.1	7.55	5161	380	4.5	7.81	688	10.4	7.82
	9:02	0	40.8	79.5	6434	432	11.5	7.25	6569	440	4.5	7.56	0	0	0
	9:17	866	16.7	80.7	6349	424	12.1	7.31	6520	433	4	7.56	0	0	0
	9:32	0	43.4	79.5	8093	422	13.8	7.45	5081	387	5.6	7.71	898	10.4	7.73
	9:47	853	20.7	81	6368	426	17.1	7.51	6540	436	4.9	7.78	0	0	0
	10:02	887	30.3	80.7	7456	608	18.1	7.36	5522	401	5.1	7.63	526	10.3	7.7
	10:17	0	30.3	80.7	6976	408	19.2	7.46	6073	422	5.8	7.73	357	10.2	7.7
	10:32	853	30.3	80.3	6271	584	19.4	7.49	6460	429	4.6	7.77	0	0	0
	10:47	873	32.9	80.7	5671	407	19.6	7.49	3033	385	6.6	7.78	1039	10.4	7.78
	11:02	869	34.2	81	6276	418	21	7.53	6416	431	5.3	7.8	0	10.8	7.8
	11:17	869	35.5	81	6171	406	23.6	7.57	6424	428	5.1	7.84	0	0	0
	11:32	854	31.5	80.9	6203	407	24.7	7.49	6412	426	4.7	7.79	0	0	0
	11:47	0	27.3	80.6	6152	414	25.5	7.46	6353	425	4.5	7.75	0	0	0
	12:02	0	20.7	80.5	6117	412	26.3	7.52	6340	422	4.5	7.81	0	0	0
	12:17	0	18.1	80.4	8177	0	25.8	7.55	4950	393	6.8	7.85	1110	10.3	7.85
	12:32	0	18.1	80.8	6188	0	22.2	7.7	6251	471	6.2	7.95	152	7.5	7.86
	12:47	858	18.1	80.6	3264	533	24.3	7.7	3476	552	5.9	7.95	0	5.9	7.96
	13:02	0	16.8	80.8	8765	0	24.7	7.6	6251	489	7.2	7.9	1011	10.2	7.9
	13:47	847	22.1	80.7	8270	508	22.3	7.57	5355	446	7.6	7.89	1067	10.1	7.89
	14:02	868	16.9	80.6	7408	500	20.8	7.62	7674	513	6.3	7.92	0	0	0
	14:17	871	15.5	80.6	8337	484	20.8	7.68	5823	467	6.7	7.97	990	10.2	7.99
	14:32	857	18.8	80.9	7664	514	20.1	7.72	7468	505	7.2	8	128	10.1	8
	14:47	864	20.9	81	7542	664	18.9	7.76	7529	502	6.3	8.02	0	0	0
	15:02	857	23.5	81.1	8432	512	18.1	7.79	5832	466	7.8	8.04	1032	10.3	8.04
	15:17	831	29.1	81	7473	500	18.8	7.81	7725	514	6.6	8.05	0	0	0
	15:32	0	35.7	81.7	8546	491	19.8	7.83	5648	450	7.4	8.06	1036	10.3	8.07

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:47	873	30.4	81.6	7465	503	21.4	7.85	7712	515	7.1	8.07	0	0	0
AVERAGES/TOTALS		862	25.7	80.21	203,592	472	19.1	7.57	177,144	449	5.7	7.84	11,472	9.2	7.83
MAXIMUM		887	43.4	81.70	8,765	664	26.3	7.85	7,725	552	7.8	8.07	1,304	11.3	8.07
MINIMUM		831	4.3	68.20	2,252	406	10.0	7.25	2,349	380	3.2	7.56	128	3.6	7.26
12/21/2021															
	8:32	0	1.5	91	2471	0	23.2	7.86	2579	513	6.7	8.08	0	6.8	8.08
	9:17	0	23.2	79.4	2536	486	43.1	7.14	2466	523	4.4	7.05	0	4.6	6.95
	9:32	0	6.1	80.2	7527	499	2.2	7.57	7408	502	3.1	7.5	137	21.5	7.52
	9:47	0	7.4	81.1	7197	485	2.2	7.62	7257	484	2.7	7.57	0	0	0
	10:02	858	11.4	94	7119	479	5.7	7.64	7173	479	2.7	7.57	0	0	0
	10:17	911	10.1	94.4	7122	458	12.4	8.03	7235	481	3.5	7.72	0	0	0
	10:32	921	10.1	94.4	7176	596	14	8.57	7212	481	4.9	8.17	0	0	0
	10:47	0	23.2	93.8	8439	523	11	8.82	1366	396	5.9	8.44	5000	10.5	8.58
	11:02	0	11.5	94.4	7238	477	9.1	8.53	5506	481	7.1	8.26	1780	7.8	8.47
	11:17	899	10.1	94.4	7417	630	9.5	7.62	6335	454	6.9	7.53	397	24.7	7.26
	11:32	0	14.1	94.2	7955	483	12.7	6.94	4641	464	8.7	6.99	2000	13.1	7.11
	11:47	0	11.4	94.4	6981	460	10.2	6.88	7111	476	7.8	6.96	0	0	0
	12:02	876	12.8	94.2	8439	490	10.2	6.85	2769	462	8.5	6.9	3562	13.2	6.9
	12:17	0	11.5	94.4	6973	467	9	6.95	7161	478	8.3	6.97	0	0	0
	12:32	0	11.5	94.4	7930	625	8.9	7.07	4833	460	8.1	7.04	1732	13.9	7.11
	12:47	919	11.5	94.3	7565	456	8.9	7.36	5703	480	8.7	7.24	1308	12.1	7.16
	13:02	892	10.2	94.5	6993	624	8.9	7.64	7109	476	7.8	7.39	0	0	0
	13:17	0	11.5	94.4	8441	485	8.9	7.51	3397	439	9.1	7.32	2984	12.9	7.36
	13:32	0	11.5	94.4	6955	459	8.9	7.49	7245	481	8.3	7.28	0	0	0
	13:47	0	11.5	94.4	8367	485	8.9	7.64	4146	435	8.5	7.41	2147	13.5	7.45
	14:02	898	11.5	94.4	7105	468	8.9	7.36	6644	485	8.9	7.24	635	12.5	7.51
	14:17	0	11.5	94.4	7398	644	8.9	7.45	6373	463	8.5	7.24	502	17.5	7.23
	14:32	0	12.8	94.3	8086	463	8.9	7.43	3472	478	9.5	7.28	3327	11.9	7.24

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:47	896	11.5	94.3	6957	462	8.9	7.57	7246	481	8.7	7.35	0	0	0
	15:02	0	11.5	94.3	8527	487	9	7.56	2690	436	9.1	7.41	3700	12.4	7.37
	15:17	0	11.5	94.4	7108	472	8.9	7.43	6694	486	7.8	7.21	628	10.8	7.09
	15:32	0	11.5	94.3	7858	639	8.9	7.4	5768	440	6.9	7.23	694	15.1	7.23
	AVERAGES/TOTALS	897	11.6	92.63	193,880	512	10.8	7.55	147,539	471	7.1	7.42	30,533	13.0	7.42
	MAXIMUM	921	23.2	94.50	8,527	644	43.1	8.82	7,408	523	9.5	8.44	5,000	24.7	8.58
	MINIMUM	858	1.5	79.40	2,471	456	2.2	6.85	1,366	396	2.7	6.90	137	4.6	6.90
12/22/2021															
	8:02	0	8.5	88.9	5394	0	9.3	7.29	4259	461	7.6	7.23	552	12.7	7.25
	9:02	808	18.1	92.6	2165	421	38.2	6.79	2074	488	5.8	6.98	252	14.6	7
	9:17	787	16.8	92.8	6755	471	14.2	6.97	7033	468	6	7.15	0	0	0
	9:32	0	18.1	92.5	6851	446	15.4	7.37	7054	474	6.4	7.42	0	0	0
	9:47	0	18.1	93.1	6826	458	15.6	7.41	7130	476	6.3	7.51	0	0	0
	10:02	816	18.1	93.2	8150	471	16.7	7.63	4885	423	7.4	7.47	1341	15.2	7.52
	10:17	0	18.1	93.4	7002	471	16.8	7.63	6938	479	8	7.56	259	13.8	7.54
	10:32	580	19.4	93.3	7403	622	16.8	7.16	6431	460	7.5	7.25	372	18.2	7.17
	10:47	0	19.4	93.4	7841	450	16.8	7.06	4534	478	8.8	7.14	2271	12.3	7.13
	11:02	0	20.7	93.5	6945	470	16.8	7.04	7143	476	7.5	7.16	0	0	0
	11:17	0	22.1	93.6	8259	459	16.8	7.16	4277	429	8.3	7.24	2050	14	7.24
	11:32	768	20.7	93.6	6967	425	17	7.57	7159	477	7.6	7.45	0	0	0
	11:47	0	22.1	93.6	7729	560	18.1	7.6	6280	425	5.4	7.44	96	13	7.41
	12:02	0	22.1	93.8	7461	481	18.1	7.43	6292	466	8.2	7.3	705	13.3	7.48
	12:17	814	23.4	93.8	7035	479	18.9	7.53	7138	476	7.3	7.3	0	0	0
	12:32	817	22.1	93.8	8334	479	19.4	7.59	4538	433	8.9	7.37	1883	14.1	7.33
	12:47	823	23.4	93.8	7037	473	19.4	7.81	7221	480	7.7	7.53	0	0	0
	13:02	800	23.4	93.8	8212	465	20.4	8.1	4400	431	8.2	7.74	1912	13.9	7.82
	13:17	798	23.4	93.9	7105	444	20.8	8.25	7020	485	8.6	7.89	267	13	7.9
	13:32	804	24.7	94	7452	604	20.8	8.21	6446	461	7.7	7.75	375	17.1	7.69

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	13:47	809	24.7	94	7855	454	21.1	7.91	5089	463	8.8	7.61	1701	13	7.62
	14:02	802	24.7	94	7013	491	22	7.77	7179	480	7.5	7.57	0	0	0
	14:17	825	24.7	93.8	8317	452	22	7.64	4660	431	8.5	7.4	1744	14.1	7.38
	14:32	799	23.4	93.8	7021	456	22	7.75	7203	481	7.9	7.47	0	0	0
	14:47	0	24.7	93.7	7899	600	22	7.41	5345	452	7.2	7.35	1248	14.1	7.32
	15:02	0	26	93.6	7466	476	22	7.46	6240	472	8.4	7.32	811	13.6	7.3
	15:17	0	26	90.7	7005	469	22	7.52	7197	478	7	7.39	0	0	0
	15:32	0	26	82.9	8153	465	22	7.43	4488	434	4.5	7.41	1896	14	7.38
AVERAGES/TOTALS		790	21.5	92.89	201,652	482	19.3	7.52	165,653	462	7.5	7.41	19,735	14.1	7.42
MAXIMUM		825	26.0	94.00	8,334	622	38.2	8.25	7,221	488	8.9	7.89	2,271	18.2	7.90
MINIMUM		580	8.5	82.90	2,165	421	9.3	6.79	2,074	423	4.5	6.98	96	12.3	7.00
12/23/2021															
	8:02	0	4.2	81.2	3946	0	22	7.38	3952	480	3.7	7.45	121	8	7.43
	8:32	790	43.3	95.9	2919	440	27.6	7.7	2966	476	7.1	7.44	115	13.6	7.22
	8:47	786	44.7	96	6493	400	27.3	8.13	6895	461	8.2	7.86	0	0	0
	9:02	0	44.7	96.2	6549	442	30.7	8.04	6924	465	8.8	7.71	0	0	0
	9:17	0	46	96.3	6656	591	32.8	7.96	6663	461	8.9	7.6	188	11.3	7.54
	9:32	0	53.9	96.5	8126	505	34.2	7.92	178	354	10	7.53	6539	15	7.52
	9:47	0	51.3	96.4	8353	475	33.5	7.67	0	0	0	0	6705	14.1	7.39
	10:02	0	46.1	96.7	8306	399	32.6	7.94	1562	488	0.4	7.42	5069	13.1	7.44
	10:17	12	46.1	96.6	6812	454	31.5	7.84	6419	475	5.2	7.41	781	32.6	7.5
	10:32	812	52.6	95.8	7618	616	32.1	8.14	4272	459	8.9	7.49	2229	14.7	7.59
	10:47	0	44.7	96.4	7481	442	32	8.01	2386	501	9.4	7.72	5047	11.9	7.87
	11:02	784	43.4	96.3	6766	446	31.9	8.18	7096	473	9.1	7.51	0	0	0
	11:17	0	46.1	96.2	8359	472	32.7	8.35	735	422	9.8	8.06	5958	12.9	8.12
	11:32	802	43.5	95.3	3928	462	34.1	7.56	3729	496	9	7.65	415	13.4	7.76
	11:47	839	42.2	91	7141	528	32.3	7.84	6589	453	8	7.52	222	23.4	7.7
	12:02	791	42.2	88.4	7986	454	32.4	7.73	2246	500	9.7	7.52	4680	12.5	7.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT TURBIDITY (NTU)	PRETREAT TURBIDITY PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW	RECIRC TURBIDITY (NTU)	RECIRC PH
	12:17	812	42.2	86.8	6843	471	32.6	7.63	6679	477	8.2	7.3	530	11	7.32
	12:32	807	42.2	84.8	8216	485	32.9	8.05	2409	421	8.9	7.4	3999	14.3	7.46
	12:47	0	42.3	82.5	8434	533	32.9	8.17	1220	386	9.7	7.49	5461	12.7	7.5
	13:02	0	42.3	96.2	7099	476	31.9	8.2	5858	486	8.8	7.82	1582	10.4	7.64
	13:17	802	44.9	96.3	7514	596	32.9	8.37	5390	448	8	7.59	1177	15.4	7.95
	13:32	774	43.6	96.4	7568	472	32.8	8.07	4231	485	8.5	7.44	2797	12.1	8.01
	13:47	821	42.2	96.4	6827	608	33.2	8.1	7178	479	7.6	7.41	0	0	0
	14:02	0	43.6	96.3	8223	454	34.2	8.1	2685	441	8.7	7.46	3885	13.1	7.46
	14:17	807	42.2	96.5	6834	465	34.6	8.12	7120	475	8.3	7.57	0	0	0
	14:32	0	51.5	96	7993	532	35.7	8.37	3979	441	8.1	7.77	2377	14	8.02
	14:47	0	42.2	96.5	7178	447	35.8	8.44	4362	488	9	8.33	3120	11.3	8.27
	15:02	0	42.2	93.4	7101	620	36	8.31	6784	453	8	7.88	0	0	0
	15:17	0	42.2	89.1	7964	441	35.2	8.18	2698	493	9.1	7.71	4163	13	7.78
	15:32	0	0	38.2	6415	0	34.2	7.96	6581	469	7.4	7.6	120	6.3	7.52
	16:02	0	0	38.9	0	0	0	7.46	0	0	0	0	21	0	7.65
AVERAGES/TOTALS		746	43.4	90.18	211,648	490	32.5	8.00	129,786	462	8.1	7.61	67,301	13.8	7.66
MAXIMUM		839	53.9	96.70	8,434	620	36.0	8.44	7,178	501	10.0	8.33	6,705	32.6	8.27
MINIMUM		12	4.2	38.20	2,919	399	22.0	7.38	178	354	0.4	7.30	21	6.3	7.22

MONTHLY SUMMARY

AVERAGES/TOTALS	837	25.6	85.03	1,771,863	487	19.2	7.60	1,488,209	458	6.0	7.65	174,761	11.0	7.64
MAXIMUM	933	402.9	96.70	8,908	739	43.1	8.82	7,725	553	10.0	8.44	6,705	32.6	8.58
MINIMUM	12	1.5	38.20	513	374	2.2	6.79	178	354	0.4	6.90	21	1.4	6.79

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS.
MONTHLY SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

DISCHARGE DATA SUMMARY

Emerald Gateway

March 2022

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
3/1/2022			
AVERAGES/TOTALS	385,428	6.3	7.48
MAXIMUM		10.0	8.38
MINIMUM		<0.1	6.60
3/2/2022			
AVERAGES/TOTALS	520,389	5.7	7.53
MAXIMUM		9.4	8.19
MINIMUM		2.6	6.87
3/3/2022			
AVERAGES/TOTALS	422,381	4.8	7.72
MAXIMUM		8.0	8.23
MINIMUM		3.0	7.11
3/4/2022			
AVERAGES/TOTALS	252,411	2.9	7.79
MAXIMUM		4.5	8.15
MINIMUM		1.2	7.32
3/13/2022			
AVERAGES/TOTALS	73,332	1.3	7.35
MAXIMUM		2.8	7.87
MINIMUM		<0.1	6.69

SUMMARY

AVERAGES/TOTALS	1,653,941	5.0	7.58
MAXIMUM		10.0	8.38
MINIMUM		<0.1	6.60

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

April 2022

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
4/26/2022			
AVERAGES/TOTALS	18,774	4.7	7.45
MAXIMUM		5.4	7.61
MINIMUM		3.4	7.36

SUMMARY

AVERAGES/TOTALS	18,774	4.7	7.45
MAXIMUM		5.4	7.61
MINIMUM		3.4	7.36

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

May 2022

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
5/6/2022			
AVERAGES/TOTALS	41,854	6.6	7.48
MAXIMUM		9.9	7.59
MINIMUM		<0.1	7.39
5/7/2022			
AVERAGES/TOTALS	111,771	7.5	7.47
MAXIMUM		9.8	7.73
MINIMUM		<0.1	7.17
5/8/2022			
AVERAGES/TOTALS	48,520	6.3	7.44
MAXIMUM		8.3	7.52
MINIMUM		4.2	7.18
5/11/2022			
AVERAGES/TOTALS	21	7.5	7.53
MAXIMUM		7.5	7.53
MINIMUM		7.5	7.53
5/12/2022			
AVERAGES/TOTALS		<0.1	
MAXIMUM		<0.1	
MINIMUM		<0.1	
5/13/2022			
AVERAGES/TOTALS		<0.1	
MAXIMUM		<0.1	
MINIMUM		<0.1	

SUMMARY

AVERAGES/TOTALS	202,166	7.1	7.47
MAXIMUM		9.9	7.73
MINIMUM		<0.1	7.17

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

June 2022

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
6/6/2022			
AVERAGES/TOTALS	9,094	6.0	7.36
MAXIMUM		7.1	7.50
MINIMUM		<0.1	7.27
6/13/2022			
AVERAGES/TOTALS	197,441	2.3	7.37
MAXIMUM		8.7	7.59
MINIMUM		<0.1	6.88
6/17/2022			
AVERAGES/TOTALS	22,663	4.2	7.29
MAXIMUM		6.0	7.33
MINIMUM		<0.1	7.19

SUMMARY

AVERAGES/TOTALS	229,198	2.8	7.36
MAXIMUM		8.7	7.59
MINIMUM		<0.1	6.88

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

August 2022

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
8/29/2022			
AVERAGES/TOTALS	1,880	2.7	7.31
MAXIMUM		2.7	7.31
MINIMUM		2.7	7.31
8/30/2022			
AVERAGES/TOTALS	4,416	4.9	7.03
MAXIMUM		7.2	7.15
MINIMUM		<0.1	6.84
8/31/2022			
AVERAGES/TOTALS	38,058	5.7	7.45
MAXIMUM		9.0	7.66
MINIMUM		<0.1	7.27

SUMMARY

AVERAGES/TOTALS	44,354	5.4	7.37
MAXIMUM		9.0	7.66
MINIMUM		<0.1	6.84

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

September 2022

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
9/1/2022			
AVERAGES/TOTALS	24,951	7.6	7.52
MAXIMUM		9.4	7.70
MINIMUM		<0.1	7.37
9/2/2022			
AVERAGES/TOTALS	785	7.4	7.74
MAXIMUM		7.4	7.74
MINIMUM		7.4	7.74
9/6/2022			
AVERAGES/TOTALS	13,708	7.5	6.99
MAXIMUM		10.0	7.47
MINIMUM		<0.1	6.70
9/7/2022			
AVERAGES/TOTALS	56,112	4.8	7.07
MAXIMUM		9.9	7.38
MINIMUM		<0.1	6.67
9/14/2022			
AVERAGES/TOTALS	4,850	1.1	7.37
MAXIMUM		1.1	7.37
MINIMUM		1.1	7.37

SUMMARY

AVERAGES/TOTALS	100,406	6.1	7.20
MAXIMUM		10.0	7.74
MINIMUM		<0.1	6.67

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

December 2022

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
12/7/2022			
AVERAGES/TOTALS	59,072	5.0	6.91
MAXIMUM		6.8	7.19
MINIMUM		<0.1	6.52
12/8/2022			
AVERAGES/TOTALS	115,720	2.0	7.56
MAXIMUM		7.2	7.73
MINIMUM		<0.1	7.04
12/12/2022			
AVERAGES/TOTALS	163,381	0.5	7.74
MAXIMUM		2.3	8.01
MINIMUM		0.1	6.94
12/13/2022			
AVERAGES/TOTALS	141,908	0.6	7.57
MAXIMUM		2.2	7.90
MINIMUM		<0.1	6.51
12/14/2022			
AVERAGES/TOTALS	522,289	0.5	7.85
MAXIMUM		1.1	8.02
MINIMUM		0.1	7.51
12/15/2022			
AVERAGES/TOTALS	338,263	0.6	7.75
MAXIMUM		1.6	7.86
MINIMUM		<0.1	7.43
12/27/2022			
AVERAGES/TOTALS	166,746	0.8	7.66
MAXIMUM		9.0	7.92
MINIMUM		<0.1	6.97
12/28/2022			

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
AVERAGES/TOTALS	231,253	0.5	7.90
MAXIMUM		1.0	7.95
MINIMUM		0.1	7.63
12/29/2022			
AVERAGES/TOTALS	253,066	0.5	7.89
MAXIMUM		0.8	8.00
MINIMUM		0.2	7.68
12/30/2022			
AVERAGES/TOTALS	254,206	0.6	7.74
MAXIMUM		2.0	7.92
MINIMUM		0.2	7.45
12/31/2022			
AVERAGES/TOTALS	182,712	1.9	7.80
MAXIMUM		3.2	7.93
MINIMUM		0.5	7.53

SUMMARY

AVERAGES/TOTALS	2,428,616	0.8	7.75
MAXIMUM		9.0	8.02
MINIMUM		<0.1	6.51

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

January 2023

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
1/3/2023			
AVERAGES/TOTALS	167,421	0.5	7.85
MAXIMUM		1.2	7.92
MINIMUM		0.1	7.68
1/4/2023			
AVERAGES/TOTALS	179,050	0.5	7.76
MAXIMUM		1.1	7.92
MINIMUM		0.1	7.64
1/6/2023			
AVERAGES/TOTALS	4,576	0.1	7.75
MAXIMUM		0.1	7.75
MINIMUM		0.1	7.75
1/25/2023			
AVERAGES/TOTALS	72,904	1.2	8.08
MAXIMUM		2.6	8.47
MINIMUM		<0.1	7.00
1/26/2023			
AVERAGES/TOTALS	210,036	1.5	7.68
MAXIMUM		2.3	8.23
MINIMUM		0.8	7.21
1/27/2023			
AVERAGES/TOTALS	187,198	0.8	7.95
MAXIMUM		1.9	8.45
MINIMUM		0.2	6.59

SUMMARY

AVERAGES/TOTALS	821,185	0.9	7.84
MAXIMUM		2.6	8.47
MINIMUM		<0.1	6.59

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

February 2023

Downloaded: 2/19/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
2/7/2023			
AVERAGES/TOTALS	260,787	0.7	7.79
MAXIMUM		1.9	8.12
MINIMUM		<0.1	6.93
2/8/2023			
AVERAGES/TOTALS	227,258	0.5	7.56
MAXIMUM		1.1	8.01
MINIMUM		0.1	7.13
2/9/2023			
AVERAGES/TOTALS	248,621	0.8	7.95
MAXIMUM		2.3	8.42
MINIMUM		0.2	7.26
2/10/2023			
AVERAGES/TOTALS	278,823	4.7	8.01
MAXIMUM		8.2	8.46
MINIMUM		0.4	7.34
2/11/2023			
AVERAGES/TOTALS	153,219	3.8	7.95
MAXIMUM		5.1	8.32
MINIMUM		<0.1	7.23
2/22/2023			
AVERAGES/TOTALS		<0.1	
MAXIMUM		<0.1	
MINIMUM		<0.1	
2/27/2023			
AVERAGES/TOTALS		<0.1	
MAXIMUM		<0.1	
MINIMUM		<0.1	

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH

SUMMARY

AVERAGES/TOTALS	1,168,708	1.9	7.84
MAXIMUM		8.2	8.46
MINIMUM		<0.1	6.93

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway Building 4

October 2023

Downloaded: 10/31/2023

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
10/20/2023			
AVERAGES/TOTALS	32,745	2.7	7.79
MAXIMUM		6.5	7.98
MINIMUM		0.8	7.59
10/23/2023			
AVERAGES/TOTALS	124,674	1.8	8.07
MAXIMUM		3.3	8.25
MINIMUM		1.1	7.65
10/26/2023			
AVERAGES/TOTALS	170,064	2.4	8.15
MAXIMUM		4.4	8.31
MINIMUM		1.4	7.81
10/27/2023			
AVERAGES/TOTALS	43,752	1.6	8.25
MAXIMUM		2.7	8.37
MINIMUM		0.9	8.04

SUMMARY

AVERAGES/TOTALS	371,235	2.1	8.10
MAXIMUM		6.5	8.37
MINIMUM		0.8	7.59

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

Clear Water SERVICES

MONTHLY DATA SUMMARY

Emerald Gateway

November 2023

Downloaded: 12/4/2023

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
11/2/2023														
	8:19	476	8.91	7095	447	108.6	7.7	4,181	479	1.6	7.68	2212	1.4	7.24
	8:34	473	8.89	7372	677	173.1	8.05	6,166	411	1.2	7.85	0	0	0
	8:49	447	8.86	8526	519	196.6	8.19	6,399	483	2.6	7.95	937	25	7.91
	9:04	472	8.91	7972	720	204.5	8.3	6,924	486	1.9	8.1	310	42.4	8.14
	9:19	466	8.91	8774	496	211.4	8.34	5,756	491	3.3	8.17	1568	25.1	8.16
	9:34	481	8.97	7810	730	207.9	8.06	7,343	490	1.5	8.08	0	0	0
	9:49	497	8.93	8916	478	210	8.13	5,361	484	3.1	8.03	1859	28.1	7.98
	10:04	540	9	7579	723	207.4	8.32	7,521	500	1.4	8.13	0	0	0
	10:19	541	8.96	8630	437	222.2	8.13	4,819	428	2.9	8.01	1626	27.7	8.04
	10:34	564	9.1	6708	654	238.7	8.39	6,876	458	1.3	8.14	0	0	0
	10:49	552	8.97	8658	463	234.2	8.37	4,611	407	3.4	8.23	1468	29.4	8.23
	11:04	530	9.04	6730	662	236	8.28	6,921	460	1.4	8.12	0	0	0
	11:19	550	8.98	8840	476	236.5	8.43	4,633	424	3.6	8.24	1705	28.7	8.25
	11:34	536	9.01	6901	457	242.2	8.38	7,121	474	1.6	8.23	0	0	0
	11:49	560	8.85	8809	450	223.5	8.18	4,615	419	3.3	8.14	1686	28.6	8.07
	12:04	495	8.99	6886	478	229.4	8.37	7,132	477	1.6	8.19	0	0	0
	12:19	464	9.15	8841	437	207.1	8.16	4,666	422	2.7	8.1	1683	26.8	8.03
	12:34	476	9.24	6985	479	197.2	8.34	7,182	478	1.5	8.14	0	0	0
	12:49	489	9.23	9124	503	182.7	8.19	5,102	446	2.3	8.09	1572	26.4	8
	13:04	479	9.28	7386	492	175.1	8.29	7,655	509	1.3	8.07	0	0	0
	13:19	472	9.31	9092	465	163.5	8.22	5,224	442	2	8.1	1434	25.3	7.99
	13:34	483	9.24	7513	526	163.3	8.35	7,693	513	1.4	8.12	0	0	0
	13:49	461	9.01	8964	512	153.8	8.18	5,479	445	1.7	8.07	1132	25.4	8.07
	14:04	486	9.26	7514	472	161.2	8.44	7,471	515	1.6	8.2	306	18.5	8.14
	14:19	472	9.11	8813	543	151.4	8.3	5,515	448	1.5	8.18	1043	25.3	7.99
	14:34	543	9.32	7314	443	154	8.06	6,998	483	1.2	7.93	271	19.3	7.85
	14:49	500	9.3	8426	534	151.5	8.34	5,629	437	1.4	8.09	868	26.5	8.15

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
AVERAGES/TOTALS		500	9.06	216,178	529	194.2	8.24	164,993	463	2.0	8.09	21,680	25.3	8.01
MAXIMUM		564	9.32	9,124	730	242.2	8.44	7,693	515	3.6	8.24	2,212	42.4	8.25
MINIMUM		447	8.85	6,708	437	108.6	7.70	4,181	407	1.2	7.68	271	1.4	7.24
11/4/2023														
	7:05	0	7.17	4120	0	161.9	8.49	3,179	472	2.1	8.22	463	18.8	8.21
	7:19	556	8.91	1184	500	96.4	7.56	688	546	2.5	7.67	551	5.9	7.33
	7:34	479	8.93	7457	716	63	7.96	7,416	493	1.1	8	0	0	0
	7:49	469	8.91	8749	499	113.9	8.2	5,028	446	2.5	8.13	1540	26.8	8.12
	8:04	499	8.91	7081	675	131.3	8.31	7,278	486	1.2	8.19	0	0	0
	8:19	482	8.89	8897	466	129	8.35	5,119	430	2.6	8.23	1321	23.6	8.23
	8:34	466	8.92	7005	696	136.1	8.37	7,292	485	1.2	8.25	0	0	0
	8:49	477	8.89	8851	470	146.2	8.39	5,219	428	2.4	8.27	1209	21.9	8.28
	9:04	476	8.94	7048	446	144.5	8.31	7,344	486	1.1	8.22	0	0	0
	9:19	467	9.01	8667	485	137.9	8.32	5,052	413	2.2	8.23	1100	20.7	8.23
	9:34	501	9.1	6750	446	174.2	8.35	6,936	461	1.1	8.24	0	0	0
	9:49	518	9.04	8663	437	188.5	8.37	4,907	407	2.3	8.25	1164	22.5	8.24
	10:04	528	9.08	6806	481	174	8.38	7,010	466	1.2	8.26	0	0	0
	10:19	516	9.05	8735	425	162.3	8.09	4,948	408	2	8.07	1163	22.2	7.82
	10:34	505	9.08	6834	416	167.4	8.17	7,036	469	1.3	8.12	0	0	0
	10:49	513	9.06	8611	460	162.6	8.32	4,982	407	2	8.21	1066	21.5	8.23
	11:04	509	9.05	7007	505	163.6	8.36	5,838	472	1.6	8.25	1401	1.2	8.24
	11:19	499	9.03	8876	493	166.4	8.34	1,624	377	2.8	8.26	4820	5.3	8.24
	11:34	523	9.22	6887	436	179.8	8.37	6,836	472	1.7	8.27	260	15.5	8.27
	11:49	519	9.32	8528	518	213.8	8.41	5,151	416	1.9	8.3	974	23.5	8.32
	12:04	495	9.35	7158	482	227	8.34	6,775	469	2	8.25	267	17.4	8.35
	12:19	515	9.29	8275	493	189.2	8.34	5,456	425	2.1	8.25	818	28	8.15
	12:34	515	9.29	7350	445	249.7	8.48	6,450	468	2.4	8.28	585	21.6	8.22
	12:49	536	9.28	8074	713	228.8	8.41	5,541	433	2.1	8.29	817	29.3	8.31
	13:04	522	9.32	7548	440	250.7	8.54	6,259	463	2.8	8.36	669	21.2	8.34
	13:19	533	9.32	7799	670	250.3	8.3	5,829	437	2.5	8.3	630	32.6	8.17
	13:34	494	9.31	7779	496	238.3	8.46	5,939	455	3.1	8.28	815	20.4	8.21
	13:49	491	9.31	7687	694	229.4	8.53	6,136	446	2.4	8.35	466	30.5	8.38

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	14:04	477	9.3	8081	479	217.9	8.42	5,813	462	3.4	8.35	1074	23.5	8.4
	14:19	486	9.29	7447	709	217.7	8.41	6,532	454	2.5	8.23	274	43.3	8.32
	14:34	496	9.29	8240	431	208.2	8.53	5,492	456	3.8	8.36	1252	21.6	8.34
	14:49	489	9.29	7231	686	217	8.23	6,835	455	2.5	8.24	0	0	0
	15:04	480	9.28	8453	455	204.7	8.2	4,787	445	4.1	8.09	1884	23.9	8.24
	15:19	496	9.27	7111	652	219.6	8.29	7,016	468	2.8	8.05	0	0	0
	15:34	482	9.24	8549	453	200.3	8.47	4,922	434	4.2	8.29	1520	24.2	8.27
	15:49	487	9.24	6913	643	204.9	8.05	7,076	475	2.8	8.06	0	0	0
	16:04	475	9.25	8645	446	193.3	8.26	4,731	411	4.2	8.14	1384	23.6	8.13
	16:19	513	9.24	6770	606	208.1	8.38	7,009	470	3.1	8.22	0	0	0
	16:34	495	9.23	8680	408	196.8	8.47	4,817	417	4.2	8.3	1403	23.7	8.3
	16:49	505	9.23	6868	457	198.5	8.06	7,046	471	3.2	8.07	0	0	0
	17:04	499	9.22	8460	414	198.4	8.39	4,603	396	4.3	8.2	1250	23.9	8.22
	17:19	451	9.23	6684	448	208.8	8.02	6,853	458	3.5	8.05	0	0	0
	17:34	480	9.2	8699	462	195.4	8.24	4,718	417	4.3	8.09	1535	23.1	8.13
	17:49	478	9.19	6852	440	203.2	8.34	7,041	472	3.9	8.19	0	0	0
	18:04	480	9.15	8654	442	194.4	8.23	4,728	409	4.4	8.14	1387	23.4	8.09
	18:19	481	9.16	6594	440	198.8	8.03	6,855	453	4.1	7.87	0	0	0
	18:34	508	9.11	8581	469	196.3	8.36	4,567	404	4.5	8.15	1437	23.9	8.2
	18:49	489	9.15	6884	426	196.5	8.25	7,090	476	4.5	8.19	0	8.4	8.22
	19:04	472	9.11	8684	500	189.1	8.03	5,022	416	4.4	7.94	1110	23.9	8.04
	19:19	490	9.11	6996	439	192.3	8.32	6,780	477	5	8.17	389	18.6	8.12
	19:34	488	9.08	8488	510	187	7.96	5,109	424	4.6	7.97	1115	24.2	7.99
	19:49	475	9.09	7109	496	185.2	8.28	6,595	469	5.2	8.14	500	18.7	8.1
	20:04	484	9.07	8249	478	186.5	8.26	5,395	427	4.7	8.17	921	25.3	8.12
	20:19	490	9.07	7369	433	181.9	8.31	6,276	467	5.4	8.18	705	19.7	8.14
	20:34	472	9.01	8041	696	183.2	8.28	5,544	431	4.8	8.2	850	25	8.03
	20:49	483	9.02	7631	452	173.5	8.08	6,210	460	5.7	7.95	685	19.5	7.76
	21:04	480	8.95	7785	673	179.4	8.34	5,794	435	5.1	8.17	638	29.1	8.2
	21:19	492	9.03	7805	452	173.3	8.4	5,821	457	6.1	8.25	974	18.8	8.23
	21:34	484	8.94	7596	724	175.3	8.44	5,970	432	5.1	8.28	432	28.2	8.3
	21:49	471	9.05	7988	465	169.7	8.47	5,456	444	6.2	8.32	1150	20.9	8.31
	22:04	471	8.88	7469	677	165.3	7.88	5,843	433	5.1	7.98	641	19.1	8.14

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	22:19	471	8.98	8169	469	165.9	7.94	5,134	437	6.5	7.93	1320	19.1	7.87
	22:34	494	8.99	7168	687	172.1	8.25	6,435	433	5.5	8.12	0	0	0
	22:49	459	8.98	8390	481	170.1	8.38	4,832	438	6.9	8.23	1598	22.7	8.21
	23:04	457	9.01	7011	692	169.6	8.42	6,675	446	5.8	8.27	0	0	0
	23:19	478	8.91	8659	431	161.6	8.07	4,718	425	6.9	7.96	1590	22.4	8.04
	23:34	490	8.98	6747	657	165.4	8.23	6,819	456	6	8.1	0	0	0
	23:49	481	8.93	8716	462	164.5	8.27	4,433	413	7.2	8.16	1730	22.4	8.15
AVERAGES/TOTALS		492	9.08	518,892	520	183.3	8.28	390,660	446	3.6	8.17	52,847	21.9	8.17
MAXIMUM		556	9.35	8,897	724	250.7	8.54	7,416	546	7.2	8.36	4,820	43.3	8.40
MINIMUM		451	7.17	1,184	408	63.0	7.56	688	377	1.1	7.67	260	1.2	7.33
11/5/2023														
	0:04	478	8.99	6781	652	166.1	8.34	6,847	456	6.4	8.21	0	0	0
	0:19	462	8.74	8816	467	157.9	8.3	4,461	414	7.3	8.2	1727	22.7	8.23
	0:34	449	8.87	6823	456	183.4	8.24	6,864	456	6.6	8.17	0	0	0
	0:49	475	8.74	8631	469	193	8.23	4,343	413	7.4	8.16	1855	23.1	8.16
	1:04	496	8.92	6792	455	198.1	8.29	6,920	460	6.8	8.19	0	0	0
	1:19	495	8.83	8705	428	189.8	8.32	4,253	414	7.2	8.22	1931	23.3	8.22
	1:34	468	8.91	6661	428	179.7	8.13	6,882	460	7	8.14	0	0	0
	1:49	468	8.83	8704	474	173.1	8.15	4,192	409	7.3	8.07	1943	23.7	8.12
	2:04	473	8.86	6786	452	172.6	8.25	6,878	460	7.6	8.16	0	0	0
	2:19	472	8.85	8631	432	166.6	8.31	4,244	405	7.3	8.19	1776	24.2	8.2
	2:34	403	8.8	6871	441	156.2	8.26	6,811	465	7.5	8.18	130	10.7	8.21
	2:49	0	8.95	8539	540	144.7	8.29	4,702	408	7.2	8.18	1279	23.7	8.18
	3:04	0	8.89	6915	438	113.3	8.31	6,375	465	7.7	8.19	660	22.1	8.19
	3:19	0	8.71	7078	0	65	8.33	4,487	415	7.1	8.19	816	18.6	8.18
AVERAGES/TOTALS		467	8.85	106,733	472	161.4	8.27	78,259	436	7.2	8.18	12,117	21.3	8.19
MAXIMUM		496	8.99	8,816	652	198.1	8.34	6,920	465	7.7	8.22	1,943	24.2	8.23
MINIMUM		403	8.71	6,661	428	65.0	8.13	4,192	405	6.4	8.07	130	10.7	8.12
11/5/2023														
	7:49	0	7.46	39	0	65	8.32	0	0	0	0	0	10.5	8.13

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:19	465	8.88	1896	494	58.5	7.17	0	0	0	0	1976	13.1	7.19
	10:34	453	8.91	8962	445	185.2	7.54	0	0	0	0	6388	8.2	7.5
	10:49	461	9.16	5862	375	235	7.85	5,290	393	1.8	7.68	650	26.5	7.62
	11:04	443	9.18	7724	423	264.3	8.05	2,163	376	1.2	7.74	3218	14.4	7.82
	11:19	449	9.34	7241	496	263.1	8.21	5,097	509	2.3	7.92	2002	9.8	7.88
	11:34	464	9.34	8710	491	223.1	8.31	4,405	461	2.6	7.98	1991	27.5	8.01
	11:49	469	9.42	7011	487	221.7	8.45	6,546	467	2.3	8.08	501	29.8	8.06
	12:04	449	9.31	8304	473	204.5	8.27	4,553	442	2.4	8.09	1724	27.4	7.96
	12:19	448	9.41	7207	457	204.8	8.38	6,244	462	2.7	8.11	676	25.2	8.1
	12:34	447	9.37	8157	707	193.6	8.46	5,010	444	2.6	8.09	1334	27	8.15
	12:49	458	9.41	7372	483	209.3	8.29	6,081	457	3.1	8.04	779	25.6	8.16
	13:04	452	9.31	8029	680	207	8.06	5,698	466	2.5	7.98	1026	27.6	7.5
	13:19	464	9.38	7471	437	230	8.4	5,639	441	3.1	8.02	912	22.7	7.9
	13:34	449	9.3	7584	655	219.4	8.45	5,230	444	2	8.13	1147	23.9	8.17
	13:49	428	9.36	7636	399	223.2	8.08	5,519	438	2.9	7.77	976	25.7	7.71
	14:04	454	9.28	7236	669	214.3	8.37	6,096	430	1.9	8.06	254	42	8.11
	14:19	478	9.38	7880	445	213.3	8.47	5,326	430	3.4	8.17	994	23.2	8.14
	14:34	447	9.35	6991	672	191.5	8.12	6,534	433	1.7	7.97	0	0	0
	14:49	453	9.28	8123	436	204.8	8.43	5,003	428	3.4	8.13	1263	26.3	8.1
	15:04	461	9.32	6827	683	176.9	8	6,596	441	1.5	7.86	0	0	0
	15:19	467	9.2	8148	431	193.7	8.37	4,989	412	3.2	8.04	1143	24.8	8.01
	15:34	462	9.24	6683	481	164.9	8.42	6,736	451	1.6	8.13	0	0	0
	15:49	478	9.3	8463	443	167	8.45	4,799	399	3.3	8.18	1136	24.2	8.17
AVERAGES/TOTALS		456	9.20	169,556	511	197.3	8.21	113,554	439	2.5	8.01	30,090	23.1	7.92
MAXIMUM		478	9.42	8,962	707	264.3	8.47	6,736	509	3.4	8.18	6,388	42.0	8.17
MINIMUM		428	7.46	39	375	58.5	7.17	2,163	376	1.2	7.68	254	8.2	7.19
11/10/2023														
	8:19	0	5.49	2964	0	163.8	8.44	3,058	452	1.8	8.19	0	1.6	8.19
	9:04	462	9.02	2947	438	35.7	7.45	2,603	458	2.1	7.52	474	11	7.19
	9:19	475	9.05	6578	434	99.1	7.73	6,670	446	1.5	7.7	0	0	0
	9:34	455	9.07	8409	454	142.6	7.9	4,616	395	3	7.78	1142	31.6	7.78
	9:49	474	9.08	6659	444	174.7	8.06	6,422	451	2.6	7.87	367	27.6	7.8

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	10:04	478	9.08	8441	473	157.6	8.08	4,785	400	2.9	7.92	1041	27.9	7.91
	10:19	437	9.08	6690	447	157.5	8.07	6,290	449	2.6	7.92	487	20.7	7.91
	10:34	479	9.1	8217	507	164.1	8.1	5,060	409	2.7	7.94	870	27.8	7.95
	10:49	462	9.08	7076	448	167.1	8.12	6,383	451	2.8	7.96	369	17.6	7.96
	11:04	453	9.1	8107	689	166.4	8.14	5,442	420	2.5	7.98	704	28.3	7.99
	11:19	446	9.08	7216	428	166.4	8.16	6,224	452	2.9	8	541	18.8	8
	11:34	474	9.1	7829	687	166.2	8.17	5,650	427	2.4	8.02	627	30.1	8.02
	11:49	470	9.09	7486	409	165.9	8.18	6,102	446	3	8.04	553	17.4	8.03
	12:04	449	9.06	7520	654	163.3	8.19	6,015	429	2.3	8.04	337	29.8	8.04
	12:19	454	9.06	7719	450	160.9	8.2	5,748	443	3.1	8.05	813	19.4	8.04
	12:34	469	9.07	7425	700	160.2	8.2	6,128	437	2.1	8.05	337	31.4	8.04
	12:49	457	9.05	7908	423	157.4	8.2	5,665	436	3.2	8.05	825	17.9	8.05
	13:04	467	9.05	7208	487	156	8.2	6,600	441	2.1	8.05	0	0	0
	13:19	464	9.03	8131	481	155.3	8.2	5,196	432	3.3	8.05	1143	21.3	8.05
	13:34	434	9.02	6990	718	156.4	8.19	6,627	446	2.1	8.05	0	0	0
	13:49	468	9	8318	460	155.8	8.19	5,094	425	3.4	8.05	1164	21.4	8.04
	14:04	458	9	6796	631	158.8	8.19	6,832	457	2	8.04	0	0	0
	14:19	456	9.03	8511	487	154.1	8.18	4,939	412	3.6	8.04	1147	21.3	8.04
	14:34	463	9.03	6745	444	157.6	8.18	6,961	459	2.1	8.04	0	0	0
	14:49	462	9.05	7683	708	158.3	8.19	5,692	424	2.3	8.04	627	27.5	8.04
	15:04	469	8.99	7572	468	162.4	8.19	6,075	446	3	8.04	599	15.4	8.04
	15:19	450	9	7615	693	159.6	8.19	6,006	430	2.4	8.04	352	28.4	8.04
	15:34	463	9.04	7776	409	161.7	8.18	5,571	445	3.2	8.04	981	18.1	8.04
	15:49	461	9.04	7281	683	163.2	8.18	6,185	438	2.3	8.04	360	30.9	8.03
	16:04	438	9.04	7948	454	163.7	8.19	5,581	436	3.5	8.04	872	18.1	8.03
	16:19	459	9.05	7045	672	168.5	8.19	6,589	439	2.4	8.04	0	0	0
	16:34	449	9.02	8144	436	169.4	8.2	5,112	432	3.7	8.04	1208	21.6	8.04
	16:49	467	9.02	6969	696	174.1	8.2	6,673	445	2.5	8.04	0	0	0
	17:04	465	9	8380	469	167.8	8.2	4,917	422	3.8	8.04	1326	21.4	8.04
	17:19	438	9.01	6696	442	174.5	8.19	6,819	455	2.4	8.04	0	0	0
	17:34	452	9.02	8515	432	165.6	8.18	4,764	409	3.8	8.02	1343	21.8	8.02
	17:49	469	9.02	6729	640	176.2	8.18	6,837	457	2.5	8.02	0	0	0
	18:04	440	9.02	8592	431	172.1	8.19	4,682	405	3.8	8.02	1348	22.4	8.02

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	18:19	433	9.01	6650	623	178.3	8.18	6,829	455	2.6	8.02	0	0	0
	18:34	469	8.91	8553	482	171.7	8.18	4,655	404	3.8	8.02	1336	22.2	8.02
	18:49	474	8.94	6763	422	175.2	8.17	6,783	449	2.7	8.02	0	0	0
	19:04	472	8.87	8515	436	164.2	8.15	4,586	399	3.6	8	1315	23	8
	19:19	449	8.91	6717	433	173.7	8.14	6,791	453	2.7	7.99	0	0	0
	19:34	447	8.77	8458	412	164.4	8.13	4,579	399	3.5	7.97	1322	23	7.97
AVERAGES/TOTALS		459	8.94	324,491	517	159.7	8.14	250,836	434	2.8	8.00	25,930	22.4	7.98
MAXIMUM		479	9.10	8,592	718	178.3	8.44	6,961	459	3.8	8.19	1,348	31.6	8.19
MINIMUM		433	5.49	2,947	409	35.7	7.45	2,603	395	1.5	7.52	337	1.6	7.19
11/11/2023														
	9:34	428	8.78	2101	0	168.6	8.11	2,191	457	3	7.96	0	2.8	7.96
	10:04	472	8.87	4713	453	160.9	6.87	4,494	475	2.9	6.97	254	8.2	7.17
	10:19	424	8.72	7677	484	177.7	7.18	5,834	428	2.7	7.21	535	31.5	7.3
	10:34	461	8.77	7782	444	196.6	7.4	5,615	447	3.7	7.38	1037	25.1	7.33
	10:49	444	8.6	8619	470	202.9	7.6	4,929	410	3.8	7.5	1093	27.3	7.53
	11:04	480	8.81	6871	482	206.6	7.76	6,545	465	3.7	7.61	498	20.6	7.58
	11:19	457	8.79	8338	493	207.3	7.87	5,055	418	3.8	7.69	1087	26.3	7.72
	11:34	444	8.86	7042	453	213.5	7.96	6,417	460	4	7.77	500	19.6	7.75
	11:49	449	8.82	8160	470	212.1	8.02	5,280	422	3.9	7.81	901	28.5	7.83
	12:04	474	8.84	7327	429	212.5	8.06	6,226	459	4.3	7.86	678	21	7.85
	12:19	425	8.8	7919	708	201.1	8.09	5,447	428	3.9	7.88	817	28.3	7.89
	12:34	457	8.84	7524	479	202.4	8.11	6,035	456	4.5	7.9	785	21.6	7.9
	12:49	449	8.8	7761	674	195.2	8.11	5,793	433	3.9	7.91	624	31.5	7.91
	13:04	456	8.82	7767	474	195.1	8.12	5,763	454	4.7	7.91	981	20.1	7.91
	13:19	452	8.68	7538	679	186.1	8.12	5,991	436	3.9	7.91	452	28.9	7.91
	13:34	444	8.85	7816	461	192	8.12	5,513	449	4.9	7.91	1145	21.8	7.91
	13:49	462	8.69	7325	663	184.9	8.11	6,340	439	3.8	7.91	266	40.8	7.91
	14:04	416	8.79	8129	451	189.5	8.11	5,215	444	5	7.91	1327	20.8	7.91
	14:19	453	8.77	7198	707	176.4	8.1	6,616	443	3.8	7.89	0	0	0
	14:34	455	8.82	8300	469	184.1	8.09	4,913	444	5.1	7.89	1598	23	7.89
	14:49	431	8.81	6958	667	187.9	8.09	6,796	452	3.9	7.89	0	0	0
	15:04	439	8.76	2309	0	194.5	8.09	722	360	5.2	7.89	446	11.7	7.87

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	15:19	383	8.78	3095	717	164.4	8.09	1,242	411	6.1	7.75	967	25.2	7.72
	15:34	0	8.76	8238	470	161.4	8.08	5,299	445	5.6	7.85	1265	20.8	7.83
	15:49	0	8.76	4950	0	114.9	8.07	5,113	460	4.3	7.86	0	4.1	7.85
	AVERAGES/TOTALS	446	8.78	171,457	536	187.5	7.93	129,384	440	4.2	7.76	17,256	22.2	7.76
	MAXIMUM	480	8.87	8,619	717	213.5	8.12	6,796	475	6.1	7.96	1,598	40.8	7.96
	MINIMUM	383	8.60	2,101	429	114.9	6.87	722	360	2.7	6.97	254	2.8	7.17
11/13/2023														
	9:19	423	8.49	7032	473	119.1	6.91	2,419	403	5.4	7.07	2022	21.1	6.98
	9:34	428	8.95	6926	447	168.3	7.47	6,612	473	3.9	7.52	522	26.8	7.39
	9:49	443	9.05	8463	494	181.8	7.67	5,006	422	4	7.65	1112	28.3	7.68
	10:04	413	9.33	7103	432	169.1	7.8	6,461	463	4.4	7.75	519	20.8	7.71
	10:19	419	9.32	8224	464	158.6	7.93	5,332	426	4.4	7.82	942	28.4	7.85
	10:34	443	9.28	7247	450	154.5	8.1	6,270	462	4.7	7.94	713	19.7	7.89
	10:49	422	9.26	7970	679	148	8.21	5,522	431	4.4	8.01	832	26.2	8.05
	11:04	420	9.22	7489	449	144.2	8.28	6,004	457	5	8.1	800	19.5	8.08
	11:19	426	9.14	7722	639	140.2	8.31	5,842	434	4.6	8.14	560	27.5	8.15
	11:34	411	9.05	7783	468	135.2	8.06	5,813	455	5.1	7.95	971	17	8.04
	11:49	413	8.86	7521	653	129	8.17	6,119	436	4.6	8.03	371	25	8.04
	12:04	407	8.88	7860	457	130.5	8.13	5,528	447	5.3	8.03	1038	17.1	8.05
	12:19	397	8.76	7306	681	128.1	8.07	6,298	441	4.6	8	269	32.5	7.98
	12:34	399	9.2	8126	467	130.9	8.03	5,415	442	5.5	7.96	1134	16.1	7.97
	12:49	0	9.3	3041	0	137.1	8	3,116	462	4.7	7.94	0	4.5	7.93
	AVERAGES/TOTALS	419	9.07	109,813	518	145.0	7.94	81,757	444	4.7	7.86	11,805	22.0	7.85
	MAXIMUM	443	9.33	8,463	681	181.8	8.31	6,612	473	5.5	8.14	2,022	32.5	8.15
	MINIMUM	397	8.49	3,041	432	119.1	6.91	2,419	403	3.9	7.07	269	4.5	6.98
11/22/2023														
	10:34	409	8.93	4421	660	30	7.07	168	38	1.9	6.91	21	10.4	6.88
	10:49	446	8.92	8575	455	65.6	7.94	4,214	432	3.1	7.63	1872	22.1	7.46
	11:04	429	8.92	6860	445	86.2	8.22	7,131	475	1.3	7.95	0	0	0
	11:19	413	8.87	8616	464	91.8	8.3	5,012	418	2.3	8.05	1244	22.8	8.06

Date	TIME	PRETREAT FLOW (GPM)	PRETREAT PH	INFLUENT FLOW (GAL)	INFLUENT FLOW (GPM)	INFLUENT TURBIDITY (NTU)	INFLUENT PH	DISCHARGE FLOW (GAL)	DISCHARGE FLOW (GPM)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH	RECIRC FLOW (GAL)	RECIRC TURBIDITY (NTU)	RECIRC PH
	11:34	429	8.88	6777	468	94.7	8.34	6,996	468	1.3	8.1	0	0	0
	11:49	401	8.9	8571	438	94.4	8.36	4,964	408	2.2	8.14	1088	20.3	8.14
	12:04	0	8.91	1665	0	98.8	8.36	1,653	474	1.5	8.15	103	1.4	8.15
	12:49	410	8.64	2278	440	15.1	7.74	2,216	496	0.4	7.54	123	0.4	7.36
	13:04	442	8.61	7437	687	79.5	7.98	6,117	436	0.8	7.78	365	29.1	7.84
	13:19	441	8.59	7897	441	87	8.05	5,825	443	1.4	7.87	721	14.2	7.86
	13:34	402	8.59	7146	690	89	8.06	6,370	437	0.7	7.88	174	40.5	7.89
	13:49	412	8.62	8025	434	88.8	8.07	5,629	435	1.6	7.89	804	14.8	7.89
	14:04	0	3.18	6951	674	81.8	8.06	6,597	440	0.5	7.89	0	0	0
	14:19	0	3.03	8093	0	70.6	8.05	5,445	423	1.3	7.88	903	11.2	7.87
	14:34	0	3.06	323	0	70.5	8.06	226	444	0.6	7.9	105	0.6	7.91
AVERAGES/TOTALS		421	7.64	93,635	525	76.3	8.04	68,563	418	1.4	7.84	7,523	15.7	7.78
MAXIMUM		446	8.93	8,616	690	98.8	8.36	7,131	496	3.1	8.15	1,872	40.5	8.15
MINIMUM		401	3.03	323	434	15.1	7.07	168	38	0.4	6.91	21	0.4	6.88

MONTHLY SUMMARY

AVERAGES/TOTALS	468	8.93	1,710,755	519	171.3	8.17	1,278,006	442	3.4	8.03	179,248	22.0	7.99
MAXIMUM	564	9.42	9,124	730	264.3	8.54	7,693	546	7.7	8.36	6,388	43.3	8.40
MINIMUM	383	3.03	39	375	15.1	6.87	168	38	0.4	6.91	21	0.4	6.88

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

DISCHARGE DATA SUMMARY

Emerald Gateway

December 2023

Downloaded: 1/4/2024

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
12/3/2023			
AVERAGES/TOTALS	168,458	2.2	8.17
MAXIMUM		4.1	8.35
MINIMUM		1.1	7.58
12/4/2023			
AVERAGES/TOTALS	78,007	1.3	8.10
MAXIMUM		1.9	8.33
MINIMUM		0.7	7.73
12/6/2023			
AVERAGES/TOTALS	255,802	2.3	8.18
MAXIMUM		3.9	8.44
MINIMUM		1.0	7.53
12/7/2023			
AVERAGES/TOTALS	373,339	5.2	8.33
MAXIMUM		8.0	8.39
MINIMUM		3.1	7.78
12/8/2023			
AVERAGES/TOTALS	479,419	0.9	8.11
MAXIMUM		8.2	8.39
MINIMUM		0.1	7.64
12/9/2023			
AVERAGES/TOTALS	426,736	0.5	7.82
MAXIMUM		2.3	7.98
MINIMUM		0.1	7.41
12/10/2023			
AVERAGES/TOTALS	389,859	2.0	7.97
MAXIMUM		4.7	8.26
MINIMUM		0.1	7.23
12/11/2023			

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
AVERAGES/TOTALS	187,157	0.4	8.12
MAXIMUM		1.8	8.45
MINIMUM		0.1	7.84
12/26/2023			
AVERAGES/TOTALS	257,825	1.1	8.12
MAXIMUM		2.2	8.24
MINIMUM		0.4	7.32
12/27/2023			
AVERAGES/TOTALS	168,757	2.3	8.11
MAXIMUM		5.1	8.40
MINIMUM		0.6	7.37
12/29/2023			
AVERAGES/TOTALS	24,245	6.1	8.09
MAXIMUM		7.5	8.28
MINIMUM		3.2	7.82

SUMMARY

AVERAGES/TOTALS	2,809,604	1.8	8.08
MAXIMUM		8.2	8.45
MINIMUM		0.1	7.23

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

DISCHARGE DATA SUMMARY

Emerald Gateway

January 2024

Downloaded: 2/1/2024

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
1/8/2024			
AVERAGES/TOTALS	157,657	6.1	8.01
MAXIMUM		9.4	8.46
MINIMUM		0.8	6.80
1/9/2024			
AVERAGES/TOTALS	269,962	4.2	8.02
MAXIMUM		9.1	8.39
MINIMUM		1.1	7.40
1/10/2024			
AVERAGES/TOTALS	285,960	4.7	8.19
MAXIMUM		9.3	8.44
MINIMUM		1.1	7.82
1/19/2024			
AVERAGES/TOTALS	107,107	3.6	7.87
MAXIMUM		9.4	8.42
MINIMUM		0.5	7.36
1/20/2024			
AVERAGES/TOTALS	106,081	6.1	8.01
MAXIMUM		9.6	8.45
MINIMUM		3.1	7.13
1/22/2024			
AVERAGES/TOTALS	138,420	4.2	7.76
MAXIMUM		9.4	8.47
MINIMUM		0.6	7.09
1/23/2024			
AVERAGES/TOTALS	146,973	2.7	7.75
MAXIMUM		4.2	8.27
MINIMUM		1.1	6.94
1/24/2024			

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
AVERAGES/TOTALS	92,092	4.2	7.98
MAXIMUM		6.3	8.49
MINIMUM		1.5	7.35
1/26/2024			
AVERAGES/TOTALS	99,810	5.6	7.87
MAXIMUM		8.7	8.28
MINIMUM		3.5	7.37
1/27/2024			
AVERAGES/TOTALS	122,516	3.3	8.28
MAXIMUM		6.6	8.50
MINIMUM		1.9	7.85
1/28/2024			
AVERAGES/TOTALS	319,878	1.1	7.74
MAXIMUM		1.8	8.18
MINIMUM		0.3	6.97

SUMMARY

AVERAGES/TOTALS	1,846,456	3.9	7.97
MAXIMUM		9.6	8.50
MINIMUM		0.3	6.80

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

DISCHARGE DATA SUMMARY

Emerald Gateway

February 2024

Downloaded: 3/1/2024

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
2/2/2024			
AVERAGES/TOTALS	5,147	1.8	7.43
MAXIMUM		2.3	7.47
MINIMUM		1.5	7.37
2/5/2024			
AVERAGES/TOTALS	88,438	2.1	7.89
MAXIMUM		2.9	8.40
MINIMUM		1.3	7.20
2/6/2024			
AVERAGES/TOTALS	33,143	2.2	8.03
MAXIMUM		3.0	8.39
MINIMUM		1.7	7.72
2/14/2024			
AVERAGES/TOTALS	145,797	4.0	7.98
MAXIMUM		5.4	8.44
MINIMUM		2.4	7.05
2/15/2024			
AVERAGES/TOTALS	26,350	4.7	8.13
MAXIMUM		5.4	8.27
MINIMUM		4.2	8.00
2/21/2024			
AVERAGES/TOTALS	10,320	1.3	7.74
MAXIMUM		3.7	7.83
MINIMUM		0.4	7.62
2/23/2024			
AVERAGES/TOTALS	35,865	2.4	7.90
MAXIMUM		5.1	8.25
MINIMUM		0.9	7.15
2/28/2024			

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
AVERAGES/TOTALS	124,982	3.2	8.22
MAXIMUM		4.4	8.46
MINIMUM		2.3	7.91
2/29/2024			
AVERAGES/TOTALS	140,695	5.4	8.21
MAXIMUM		9.6	8.48
MINIMUM		2.7	7.49

SUMMARY

AVERAGES/TOTALS	610,737	3.6	8.06
MAXIMUM		9.6	8.48
MINIMUM		0.4	7.05

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

DISCHARGE DATA SUMMARY

Emerald Gateway

March 2024

Downloaded: 4/1/2024

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
3/1/2024			
AVERAGES/TOTALS	108,594	4.5	8.06
MAXIMUM		9.2	8.50
MINIMUM		1.3	7.21
3/7/2024			
AVERAGES/TOTALS	80,450	1.6	8.12
MAXIMUM		2.8	8.39
MINIMUM		0.8	7.47
3/11/2024			
AVERAGES/TOTALS	14,332	0.9	7.81
MAXIMUM		1.0	7.84
MINIMUM		0.6	7.78
3/12/2024			
AVERAGES/TOTALS	22,757	1.7	7.88
MAXIMUM		5.2	7.99
MINIMUM		0.8	7.72
3/22/2024			
AVERAGES/TOTALS	25,492	1.7	7.65
MAXIMUM		2.4	7.90
MINIMUM		1.1	7.23
3/23/2024			
AVERAGES/TOTALS	12,289	2.3	7.74
MAXIMUM		3.2	7.94
MINIMUM		1.6	7.36

SUMMARY

AVERAGES/TOTALS	263,914	2.8	7.97
MAXIMUM		9.2	8.50
MINIMUM		0.6	7.21

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

DISCHARGE DATA SUMMARY

Emerald Gateway

April 2024

Downloaded: 5/1/2024

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
4/4/2024			
AVERAGES/TOTALS	37,599	2.4	8.07
MAXIMUM		3.6	8.44
MINIMUM		1.4	7.26

SUMMARY

AVERAGES/TOTALS	37,599	2.4	8.07
MAXIMUM		3.6	8.44
MINIMUM		1.4	7.26

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES.

DISCHARGE DATA SUMMARY
Emerald Gateway
November 2024

Downloaded: 12/3/2024

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
11/20/2024			
AVERAGES/TOTALS	77,000	2.8	7.67
MAXIMUM		4.2	7.84
MINIMUM		<0.1	7.04
11/23/2024			
AVERAGES/TOTALS	103,602	2.4	7.57
MAXIMUM		4.6	7.85
MINIMUM		0.9	7.26

SUMMARY

AVERAGES/TOTALS	180,602	2.6	7.61
MAXIMUM		4.6	7.85
MINIMUM		<0.1	7.04

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.

DISCHARGE DATA SUMMARY

Emerald Gateway

December 2024

Downloaded: 1/1/2025

DATE	DISCHARGE FLOW (GAL)	DISCHARGE TURBIDITY (NTU)	DISCHARGE PH
12/18/2024			
AVERAGES/TOTALS	244,779	0.7	7.70
MAXIMUM		1.4	7.73
MINIMUM		<0.1	7.62
12/21/2024			
AVERAGES/TOTALS	119,046	1.7	7.58
MAXIMUM		6.8	7.63
MINIMUM		0.5	7.32
12/31/2024			
AVERAGES/TOTALS	142,470	1.6	7.57
MAXIMUM		6.8	7.62
MINIMUM		<0.1	7.55

SUMMARY

AVERAGES/TOTALS	506,295	1.2	7.64
MAXIMUM		6.8	7.73
MINIMUM		<0.1	7.32

NOTE: ALL ZERO DATA POINTS FOR DISCHARGE ARE EXCLUDED FROM SUMMARY CALCULATIONS. SUMMARY VALUES ARE CALCULATED FROM 15 MINUTE INTERVAL DATA POINTS, AND NOT DAILY SUMMARIES. TURBIDITY VALUES OF '0' ARE INTERPRETED AS <0.1 NTU, WHICH IS THE METER'S LOWER LIMIT.