FINAL DATA GAPS REPORT

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8th Avenue Terminals, Inc. Site

Final Data Gaps Report

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FINAL DATA GAPS REPORT

FIRST PHASE OF REMEDIAL INVESTIGATION

8TH AVENUE TERMINALS, INC. SITE

SEATTLE, WASHINGTON

Prepared for

8th Avenue Terminals, Inc.

October 31, 2014

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Final Data Gaps Report
First Phase of Remedial Investigation
8th Avenue Terminals, Inc. Site
Seattle, Washington

The material and data in this report were prepared under the supervision and direction of the undersigned.

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1 INTRODUCTION

On October 12, 2009, 8th Avenue Terminals, Inc. (8th Avenue Terminals), entered into an Agreed Order (No. DE 6721) with the Washington Department of Ecology (Ecology) to complete a remedial investigation and feasibility study (RI/FS), and prepare a draft cleanup action plan (DCAP) for the 8th Avenue Terminals site (the "site"). The site is defined by the extent of contamination caused by the release of hazardous substances at the 8th Avenue Terminals property at 7400 8th Avenue South in Seattle, Washington. The 8th Avenue Terminals property is located along the northeast bank of the Duwamish Waterway and the west bank of Slip 4, and includes the southwestern part of Slip 4 (see Figure 1).

This RI/FS process is part of Ecology's effort to investigate properties adjacent to the federal Lower Duwamish Waterway (LDW) Superfund Site for potential ongoing sources of contamination to the Superfund Site. In early 2008, Ecology issued a Site Hazard Ranking of "2" for the 8th Avenue Terminals property, in large part due to the perceived potential of contaminants on the property to migrate to Duwamish Waterway (primarily Slip 4) sediments. In response, Crowley Marine Services, Inc. (Crowley) independently conducted an investigation at the property to assess the potential contaminant migration pathways to the waterway. A report that presented the results of the investigation was submitted to Ecology on August 1, 2008 [SLR International Corporation (SLR), 2008].

Under an Ecology Agreed Order, 8th Avenue Terminals was required to provide additional data and analysis to determine the potential risks to the Duwamish Waterway posed by the property, to determine if active cleanup of the 8th Avenue Terminals property is necessary and, if so, to facilitate the selection of a cleanup alternative. More specifically, the RI will determine the nature and extent of contamination and assess the potential risks to human health and the environment. The FS will identify, screen, and evaluate potential remedial measures. Based on the results of the RI/FS, the DCAP will present a proposed remedial action, as necessary, to address the contamination at the site.

After years of negotiation of an RI scope of work, 8th Avenue Terminals agreed to conduct the scope of work in Ecology's RI/FS Work Plan (work plan) dated October 2012 (Ecology, 2012) after modifications to the scope were accepted by both parties (Ecology, 2013). In accordance with WAC 173-340-350(6) and (7)(a), the RI is being conducted in phases to address critical questions, focus the sampling on data gaps, prevent the collection of unnecessary data, and increase the efficiency of the

investigation. The first phase of the RI was conducted from May 2013 through February 2014. The first phase of the RI consisted of collecting the data necessary to assess the potential contaminant source areas that have limited data, to better understand contaminant fate and transport and the potential receptors, and to further evaluate the applicable or relevant and appropriate requirements (ARARs) for the site. After preliminarily identifying the appropriate ARARs for the site, the preliminary conceptual site model was revised and preliminary soil and groundwater cleanup levels were developed for the contaminants of potential concern (COPCs) in accordance with WAC 173-340-350(9)(a). This report describes the field activities during the first phase of the RI, presents the results of the work, including the revised preliminary conceptual site model and the proposed preliminary soil and groundwater cleanup levels, and identifies the remaining investigation data gaps.

The second phase of the RI will address the remaining investigation data gaps, thereby completing the investigation of the nature and extent of the contamination at the site and the assessment of any potential risks to human health and the environment presented by the contamination.

2 BACKGROUND

2.1 General Property Information

The 8th Avenue Terminals property is located in the southern part of Seattle, Washington, along the Duwamish Waterway (see Figure 1). The property is located north of the Duwamish Waterway, between Slip 4 and 8th Avenue South, and to the south of South Garden Street (see Figure 2). The property includes the southwestern part of Slip 4. The property address is 7400 8th Avenue South.

The property is divided into two parcels (designated D and F), and 8th Avenue Terminals owns both parcels. The boundary between Parcel D (southern parcel) and Parcel F (northern parcel) is shown on Figure 3. Since October 2009, the central and southern portions of Parcel D have been leased to Organic Fuel Processors, who uses the property to receive, grind, and store wood that can be used to make compost or to produce alternative fuel. Organic Fuel Processors subleases the southern and southeastern portions of Parcel D to KRS Marine, who uses the property to load/unload cargo from barges and to maintain equipment. Since December 2009, Parcel F and the northern part of Parcel D have been leased to First Student, Inc. (First Student). First Student uses the property to schedule, stage, and park school buses. In October 2010, Organic Fuel Processors expanded their lease area to include the eastern part of the property (including the eastern part of Parcel D and the southeastern part of Parcel F; see Figure 3).

The southwestern edge of the 8th Avenue Terminals property, along the Duwamish Waterway, consists of boulder riprap that is approximately 110 feet long and extends to the bottom of the riverbank. The southern and eastern edges of the upland portion of the property, along Slip 4, are bordered with a sheet pile seawall that is approximately 1,035 feet long and extends to a depth of 43 feet below ground surface (approximately 15 feet below the bottom of Slip 4). The seawall was built in the early 1980s to allow for the construction of an adjoining pier. In 2012, the northern portion of the pier was removed as part of the City of Seattle's remediation of the sediments in the northern part of Slip 4. Based on a plan drawing of the seawall construction (Marine Power & Equipment Co. Inc., 1982), approximately 5,500 cubic yards of sloughed material from the top of the bank was dredged during the construction of the wall. The dredged material and approximately 14,500 cubic yards of imported material were used to re-grade the surface of Parcel D. The approximate locations where the dredged material was backfilled are shown on Figure 2.

The subject property is located in an industrial area of Seattle, and is bounded to the west by 8th Avenue South and an auto body repair shop; to the north by South Garden Street, a Markey Machinery Company facility, and a metals recycling facility; to the east by City of Seattle property and Slip 4; and to the south by the Duwamish Waterway. The City of Seattle property, which was purchased from Crowley in 2007, includes a narrow strip of land between Parcel F and Slip 4 that extends around the north end of Slip 4, and also includes the northern part of Slip 4 (see Figure 2). A Boeing facility and an Emerald Services facility are located along the east side of Slip 4. The Boeing property also includes the southeastern part of Slip 4.

2.2 Current Physical Characteristics

2.2.1 Upland Surface Cover

With the exception of the northern part of Parcel F, the entire upland portion of the 8th Avenue Terminals property is capped with asphalt or concrete. The surface pavement was installed in the early 1980s. The unpaved area of Parcel F is covered with gravel or limited vegetation (e.g., trees, shrubs). The banks along Slip 4 and the Duwamish Waterway consist of a sheet pile seawall and boulder riprap.

2.2.2 Upland Property Structures

Except for along the waterway and along the northeastern property line, the property is bounded by a chain-link fence, and two access gates are located on 8th Avenue South. On Parcel D, the only structures include office trailers, an equipment maintenance shop, and wood chip storage bins in the southwestern part of the property, and a pier along Slip 4 (see Figure 3). There are two loading ramps located in the southern part of the pier. The pier was constructed in the early 1980s and the office trailers were installed from the mid-1980s to the mid-1990s. The equipment maintenance shop and the wood chip storage bins were constructed in 2009.

On Parcel F, the structures consist of modular office buildings and several unused structures. These unused structures consist of a large canopy, two former shipping container repair shops, a former office building, and two empty silos (see Figure 3). Based on a review of aerial photographs, the former office building and the silos were constructed between 1946 and 1960. The canopy and the western former container repair shop were constructed during the 1960s, and the eastern former container repair shop was constructed during the 1980s. The modular office buildings were installed in 2009 and 2010. Currently, there are no aboveground storage tanks (ASTs) and no known underground storage tanks (USTs) at the property. However, there is no documentation

of the removal of a 5,000-gallon fuel oil UST that was located in the northwestern part of Parcel F.

2.2.3 Storm Water Drainage System

The storm water drainage system on Parcel D was installed in the early 1980s after the installation of the sheet pile seawall and the placement of approximately 20,000 cubic yards of fill across the upland portion of Parcel D. After the installation of the drainage system, most of the property surface was paved with asphalt or concrete. On Parcel D, there are currently 32 storm water catch basins that are connected to 6 storm water conveyance lines that have outfalls into Slip 4 and the Duwamish Waterway; however, Organic Fuel Processors has closed 4 of the catch basins. The approximate locations of the catch basins, conveyance lines, and outfalls (designated as OF1 through OF6) are shown on Figure 3. Outfalls OF1, OF2, OF3, OF4, and OF6 discharge storm water from both the First Student facility and the Organic Fuel Processors facility. Outfall OF5 only discharges storm water from the Organic Fuel Processors facility.

The northern portion of the previous storm water drainage system on Parcel F (northern conveyance line), which includes the unpaved portion of the property, was installed prior to 1946. The installation date of the southern portion of the previous drainage system on Parcel F (southern conveyance line) is not known. Prior to August 2012, the drainage system on Parcel F consisted of three storm water catch basins that were connected to the northern conveyance line, and four catch basins that were connected to the southern conveyance line (see Figure 3). Based on the results of a video inspection in September 2010, both conveyance lines were blocked with soil at several locations (SLR, 2010). According to a Layrite Concrete Products drawing (titled "Plant Layout") dated June 1946, and an unnamed preliminary drawing, dated approximately 1990, in Crowley's files, there were previously three additional catch basins on the northern conveyance line (see Figure 3). There is currently no field evidence of those catch basins.

In October 2010, SLR inspected two pipes from the easternmost known catch basin (previously designated FSCB4) on the southern conveyance line to try to find an outfall line from the Parcel F drainage system that extends to Slip 4. An 8-inch-diameter pipe ran to the east from the catch basin to a buried catch basin, where two, 4-inch-diameter pipes exited the basin (SLR, 2010). The 4-inch pipes extended to the east or northeast of the buried catch basin and at distances of approximately 10 and 25 feet, the pipes were blocked with soil. There was also an 8-inch-diameter pipe that exited the eastern part of FSCB4 (at a depth above the other 8-inch-diameter line) and extended approximately 50 feet to the northeast, where it was blocked with soil. Since the direction of the 8-inch-diameter line was to the north of Slip 4 and it sat above the other 8-inch-diameter line in FSCB4, it is unlikely that this line was an outfall line to Slip 4 (see Figure 3). During the City of Seattle's sediment removal action at the northern part of Slip 4 in 2011 and 2012, two, 6-inch-diameter outfall lines were encountered along the northwestern bank of the

slip. The lines were cut below the final grade of the bank and capped [Integral Consulting, Inc. (Integral Consulting, 2012)]. The approximate locations of the caps on both of the former outfall lines are shown on Figure 3. Based on the locations of the outfall lines, it appears that both of the 4-inch-diameter pipes from the buried catch basin were expanded to 6 inches in diameter, and extended to Slip 4.

Due to poor storm water drainage on Parcel F, 8th Avenue Terminals constructed a replacement storm water drainage system on Parcel F in July and August 2012, and abandoned the previous system. The replacement system consists of three catch basins along a northern conveyance line and three catch basins along a southern conveyance line that are connected at a conveyance vault (CV1) that is located approximately 45 feet southeast of the eastern former container repair shop (see Figure 3). The northern and southern conveyance lines are located near the previous conveyance lines. To discharge the water from Parcel F, a conveyance line was installed between CV1 and the existing northern storm water drain line (D Line #6) on Parcel D, and a deeper conveyance vault (CV2) was installed and connected to D Line #6 to allow for storm water flow via gravity from Parcel F. The collected storm water from Parcel F is now discharged to Slip 4 via outfall OF6 (SLR, 2012).

During the installation of the replacement drainage system, partially buried storm water catch basins were discovered approximately 6 feet northeast of conveyance vault CV2 and approximately 60 feet south of the eastern former container repair shop (see Figure 3). The catch basin near CV2 was plumbed to D Line #6, and the catch basin to the south of the eastern former container repair shop was connected to the previous southern conveyance line. After constructing the replacement system, the previous drainage system on Parcel F, including the two discovered catch basins, was abandoned. The lid and ring of each basin were removed, the solids in each basin were extracted and hauled off-site for disposal, and the basins, including the ends of the conveyance lines, were filled with cement (SLR, 2012).

In addition to the storm water drainage system described above, there are three inactive or abandoned equipment wash water collection sumps in the northern and central portions of Parcel F. The locations of the sumps are shown on Figure 3. Based on an inspection by SLR in September 2010, each of the sumps contained limited solids and there were no inlet or outlet lines (SLR, 2010). In the walls of the sump beneath the canopy, there is evidence of several 6-inch-diameter holes (possible inlets and/or outlets) that were filled with concrete. The sumps are up to five feet deep. During the abandonment of the previous storm water drainage system on Parcel F, the northeastern wash water collection sump was abandoned by removing the lid and filling it with cement (SLR, 2012).

In November 2009, all of the previous storm water catch basins and portions of the previous conveyance lines on Parcel F were cleaned by Gary Merlino Construction

Company. Alaska Logistics, a previous property tenant, cleaned the catch basins in the southern portion of Parcel D in 2006 and 2008 (SLR, 2008).

Organic Fuel Processors and First Student operate and maintain their portions of the storm water drainage system under the conditions of Industrial Stormwater General Permits. They have installed a filter insert and an outlet trap in most of the active catch basins as part of the storm water protection best management practices that are being conducted at the property. Organic Fuel Processors also sweeps their portion of the facility on a daily basis.

2.3 Off-Property Drainage into Slip 4

In the Lower Duwamish Waterway area, there are both public and private storm drain systems that convey collected storm water runoff into the waterway (including into Slip 4). Most of the waterfront properties utilize privately owned systems that discharge directly into the waterway.

Prior to the formation of the Municipality of Metropolitan Seattle (Metro, now part of King County) in 1958, Seattle and other surrounding communities operated small treatment plants that discharged to Lake Washington, the Duwamish Waterway, and Puget Sound (Ecology, 2006). One of these treatment plants, the Diagonal treatment plant, was constructed on East Marginal Way in 1939. The Duwamish interceptor, which conveyed storm water and municipal/industrial wastewater to the Diagonal treatment plant, included a pump station with a 36-inch emergency overflow and storm water bypass at the head (northern end) of Slip 4.

There are currently five public storm water outfalls located at the head of Slip 4 and six private storm water outfalls located along the eastern end of Slip 4. The locations of the outfalls are shown on a figure by Ecology that is presented in Appendix A. The private outfalls are from the Boeing Plant 2 facility and from the First South Properties site that is operated by Emerald Services. The public outfalls into Slip 4 include the following:

- King County (KC) Airport Storm Drain #3/PS44 Emergency Overflow (60-inch-diameter pipe) – Conveys storm water runoff from the northern portion of King County International Airport and encompasses approximately 290 acres of the Slip 4 drainage area.

- North Boeing Field Storm Drain (24-inch-diameter pipe) – Collects storm water runoff from an approximate one-acre area at the northern end of King County International Airport.

- I-5 Storm Drain (72-inch-diameter pipe) – A Highway I-5 storm drain collects runoff from approximately 1½ miles of highway, from 44 acres of single family

residential property located east of I-5, and from 1 to 2 acres at the north end of the King County International Airport.

- Georgetown Flume (72-inch-diameter pipe) – The Georgetown Flume was originally constructed to discharge cooling water from the Georgetown Steam Plant (GTSP) after the Duwamish River was straightened in 1916 (Ecology, 2006). The 6.5-foot-wide flume, which was replaced with underground piping in 2009, previously consisted of concrete, wooden, and piped sections. The flume extended approximately 2,500 feet across the north end of King County International Airport from the GTSP to the head of Slip 4. The new 72-inch-diameter pipe also discharges to the head of Slip 4.

- East Marginal Way Emergency Overflow (36-inch-diameter pipe) – King County's East Marginal Way pump station is connected to the East Marginal Way emergency overflow. There has not been a recorded overflow from this pump station since record keeping began in the 1970s (Ecology, 2006).

The combined sewer service area in the Slip 4 basin encompasses approximately 6,200 acres and the storm drain basin covers approximately 467 acres (Ecology, 2006). The Slip 4 drainage basin is depicted on a figure by Ecology that is presented in Appendix A.

In 2005, Seattle Public Utilities (SPU) installed solids traps at 10 locations in the KC Airport Storm Drain #3/PS44 Emergency Overflow and in the I-5 SD to passively collect solids samples. In addition, in-line solids samples were collected from several of the trap locations, as well as an additional location. The sample results showed that at least one of the solids samples contained total polychlorinated biphenyls (PCBs), bis(2-ethylhexyl)phthalate (BEHP) and mercury concentrations greater than the cleanup screening levels (CSLs), and two of the samples contained zinc concentrations greater than the sediment quality standard (SQS; Ecology, 2006). SPU also collected in-line solids samples from the several locations along the Georgetown Flume. The sample results showed that at least one of the samples contained total PCBs, lead, mercury, and zinc concentrations greater than the CSLs, and BEHP and polycyclic aromatic hydrocarbons (PAHs) concentrations greater than the SQSs (Ecology, 2006). The total PCB concentrations in the samples were up to approximately 43 times greater than the CSL.

In 2005, SPU collected solids samples from an oil/water separator and two storm water catch basins at the First South Properties site. The analytical results showed that the samples collected from the oil/water separator and one of the catch basins contained zinc, BEHP, butyl benzyl phthalate, dimethyl phthalate, and/or di-n-octyl phthalate concentrations that exceeded the SMS (Ecology, 2006).

Based on the elevated contaminant concentrations in the solids samples from the Georgetown Steam Plant Flume, the City of Seattle removed the solids in the flume,

replaced the flume with an underground storm drain pipe that discharges into Slip 4 in 2009, and removed PCB-impacted soil from two Seattle City Light substations located next to the flume. In August 2008, the City of Seattle, King County, and Boeing entered into an Agreed Order with Ecology to conduct an RI/FS at the North Boeing Field/Georgetown Steam Plant Site. The purposes of the RI are to define the nature and extent of the soil and groundwater contamination at the site, to try to identify the sources of the known impacted solids in the site storm water drainage systems, and to determine if contamination at the site is contributing to the sediment impacts in the Lower Duwamish Waterway. The results of the ongoing investigation activities have shown that elevated concentrations of PCBs are present in the storm drain system at North Boeing Field, and that storm water from North Boeing Field is a source of PCBs in the Slip 4 sediments [United States Environmental Protection Agency (EPA), 2010]. To limit further impacts to the sediments in Slip 4, Boeing installed and operates a stormwater treatment system at North Boeing Field to remove PCBs and other hazardous substances from the storm water prior to discharge to Slip 4.

2.4 Property History

From 1889 to approximately 1916, the 8th Avenue Terminals property was agricultural land, primarily open field pasture (Weston, 1988), that was adjacent to a meander of the Duwamish River (presently Slip 4). A private residence appears to have occupied the northern part of Parcel F (Hart Crowser, 1989a). With the dredging of the east and west waterways, the Duwamish Waterway was established in its present course and Slip 4 was isolated in its present configuration by 1916. Beginning in approximately 1918, the southern part of Parcel D was used for the manufacturing of hydraulic equipment and metal pipes (primarily by Washington Supply & Manufacturing Company and Hydraulic Supply Manufacturing Company), and the central part of Parcel D was occupied by sawmill operations (primarily by Pankrantz Lumber Company). By 1922, the southeastern part of Parcel F (and the northeastern part of Parcel D) was occupied by an excelsior (wood shavings) manufacturing company (Washington Excelsior and Manufacturing Company), and the northern part of Parcel F was used for the manufacturing and storage of concrete products (Peerless Concrete Products) (Hart Crowser, 1991). Based on the soils encountered in the borings that were drilled during the previous investigations at the property, there is no evidence that wood waste from the historic operations was buried on the property.

By 1950, the hydraulic equipment and metal pipe manufacturing operations on Parcel D had added a chain manufacturing facility at the southern end of the property, and the sawmill operations were no longer present (Hart Crowser, 1989b). Puget Timber Company's creosote treatment facility, which started in the early 1940s and included wood pole and post treatment in a dip tank operation, occupied the western portion of the former sawmill site on Parcel D. By 1950, the Washington Excelsior and Manufacturing

Company operations and the concrete products manufacturing operations (replaced by Layrite Concrete Products) on Parcel F were still present; however, the concrete storage area had expanded to the southwestern part of Parcel F and the northwestern end of Parcel D, and an aluminum window and sash manufacturing facility was present in the eastern part of Parcel F. By 1981, all of the structures on Parcel D and a few of the structures on Parcel F had been demolished. Figures 4 and 5 depict the historic business activities at Parcels D and F from approximately 1918 to 1949 and from 1950 to 1974, respectively.

There were three petroleum USTs and one oil AST located on Parcel F, and an oil AST (in a vault) was located on Parcel D. The former locations of the tanks are shown on Figure 2. An 8,000-gallon diesel UST and a 2,000-gallon gasoline UST on Parcel F were removed in 1989 (Hart Crowser, 1989a). The remedial action associated with the removal of the USTs are described in Section 3.2 of this report. The oil AST associated with the excelsior manufacturing operations on Parcel F was removed by 1985, and the oil AST associated with the pipe manufacturing operations on Parcel D was removed prior to 1981. There is no documentation of the removal of a 5,000-gallon fuel oil tank that was located in the northwestern part of Parcel F.

By 1985, the Parcel D surface and the southern part of the Parcel F surface had been paved, and the seawall and pier along Slip 4 had been constructed. From the mid-1980s through September 2009, the property was used for cargo storage and distribution. Since October 2009, the south-central portion of the upland part of Parcel D has been used to receive, grind, and store wood that can be used to make compost or produce alternative fuel. The southern and southeastern portions of the upland part of Parcel D have also been used to load/unload cargo from barges and to maintain equipment. Since December 2009, Parcel F and the northern part of Parcel D have been used to schedule, stage, and park school buses. Beginning in October 2010, Organic Fuel Processors expanded their lease area to include the eastern part of the property (including the eastern part of Parcel D and the southeastern part of Parcel F), and that area is primarily used for equipment storage.

Crowley owned the property from 1992 through 2008. In October 2008, Crowley transferred the property to 8th Avenue Terminals. Crowley and 8th Avenue Terminals are subsidiaries of Crowley Maritime Corporation. 8th Avenue Terminals is the current property owner.

2.5 Environmental Setting

2.5.1 Regional Geology

The 8th Avenue Terminals site is located in the Duwamish River valley. The Duwamish River valley is a former marine embayment that was an extension of the Puget Sound embayment as recently as approximately 5,000 years ago (Luzier, 1969). The Duwamish

River valley incises an extensive glacial drift plain that extends across much of south King County (Woodward et. al., 1995). In general, the elevation of the glacial drift plain varies from approximately 400 to 600 feet, and the elevation of the Duwamish River valley varies from approximately 10 to 75 feet (Woodward et. al., 1995). Near the site, the elevation of the drift plain is approximately 100 to 125 feet and the elevation of the Duwamish River valley is approximately 5 to 20 feet.

The alluvial deposits in the lower Duwamish River valley include "medium- to fine-grained sand and silt that was deposited in a delta complex when the valley was a submerged marine embayment; these sediments generally do not yield appreciable volumes of water to wells" (Woodward et. al. 1995).

2.5.2 Regional Hydrogeology

In general, the groundwater within the Duwamish Valley is unconfined within the valley alluvium at depths up to 10 feet below ground surface (bgs) (Booth and Herman, 1998). Regionally, the valley alluvium is a single, large aquifer system. The maximum depth of the alluvial aquifer in the LDW basin extends to roughly 100 feet bgs.

Site-specific studies in the LDW basin often subdivide the alluvial aquifer into shallow, intermediate, and deep zones (Windward Environmental, LLC, 2010). The shallow zone is generally located within the fill and/or younger alluvium, and the deep zone is generally located within the older alluvium. Shallow aquifer zones in the LDW basin are predominantly located in silty layers within interbedded sandier aquifer soils. In many areas, these shallow aquifers contain large amounts of organic material associated with the original river delta.

The flow characteristics of the aquifer zones vary depending on the nature of the materials that make up the local alluvium, the proximity to the river, and local tidal fluctuations. The elevation gradient between the glacially overridden deposits in the uplands and the LDW sediments creates a regional flow system with significant hydraulic potential for the transport of groundwater from the upland areas to the LDW.

2.5.3 Surface Water

The southern and southeastern ends of the 8th Avenue Terminals property extend into the Duwamish Waterway and Slip 4 (see Figure 2). The eastern boundary of the northern part of Parcel D is located just within Slip 4 or adjacent to Slip 4 (at the sheet pile seawall). The southeastern corner of Parcel F is also located adjacent to Slip 4.

Slip 4 is located on the east bank of the Duwamish Waterway, approximately 2.8 miles from the southern end of Harbor Island. The slip is approximately 1,400 feet long, with an average width of 200 feet, and encompasses approximately 6.4 acres (Integral Consulting, 2006).

The Duwamish Waterway and Slip 4 are directly connected to Puget Sound and are tidally influenced. From July 17 through 18, 2008, the water level fluctuation in a stilling well in Slip 4 was over 13 feet in response to Puget Sound tides (SLR, 2008). In 2011, Boeing conducted a salinity study in Slip 4, and the salinity measurements during three sampling events indicated that the water in Slip 4 is brackish (AMEC Geomatrix, 2011).

3 PREVIOUS INVESTIGATION RESULTS

This section details the types and distribution of the known contaminants at the 8th Avenue Terminals property. Based on our understanding of the historical and current operations at the property, SLR identified six potential contaminant source areas at the upland area of the property. The potential contaminant source areas and the rationale for their selection include the following:

- Former Concrete Products Manufacturing and Storage Operations on Parcels F and D (based on the storage and use of gasoline and fuel oil, and the potential effects of pH adjustment on metals in soil)
- Former Aluminum Window Manufacturing Operations on Parcel F (based on the storage and use of diesel fuel and the potential storage and use of lubricating oils and cleaning fluids)
- Former Sawmill Operations on Parcel D and Former Excelsior Factory and Press Operations on Parcel F [based on the storage and use of oil (excelsior operations only), the potential storage and use of lubricating oils, and the potential accumulation and burial of impacted ash due to the operation of a refuse burner, boiler house, and chimney]
- Former Wood Treating Operations on Parcel D (based on storage and use of wood treating chemicals, and the potential accumulation and burial of impacted ash due to the operation of a boiler)
- Former Pipe and Chain Manufacturing Operations on Parcel D (based on the storage and use of heating oil, the potential storage and use of lubricating oils and cleaning fluids, and the potential generation of metals shavings/slag)
- Dredge Fill Areas on Parcels D and F (based on dredging and filling of potentially impacted materials from the bank along Slip 4 and the Duwamish Waterway)

The locations of the potential contaminant sources and the estimated potential source areas are shown on Figures 6, 7, 8, and 9. After identifying the potential contaminant source areas, the nature and extent of upland contamination associated with each potential source area were evaluated on a preliminary basis using the data collected during previous investigations conducted in 1989 (Hart Crowser, 1989a and Hart Crowser, 1989b), 1990 (Hart Crowser, 1990 and Landau, 1990), 1994 (SEACOR, 1994), 2008 (SLR, 2008), 2009 [Strata Environmental (Strata), 2010], 2010 (SLR, 2010), and 2011 (SLR, 2011c). This section also describes the results of the previous catch basin solids sampling at the

8th Avenue Terminals property and includes a summary of the results of the previous sediment investigations in Slip 4.

In accordance with WAC 173-340-350(7)(b), preliminary screening levels (PSLs) have been selected to guide the scope of the first phase of the RI. The primary aim of the PSLs is to determine appropriate data quality objectives for the RI. Specifically, PSLs are used to determine the preliminary contaminants of potential concern (COPCs) for each media, and to ensure that the sample analytical methods and method reporting limits (MRLs) are appropriate.

As part of the LDW source control efforts, the EPA and Ecology signed an interagency Memorandum of Understanding (MOU) dividing work responsibilities for the LDW. The MOU identifies Ecology as the lead agency for source control work, and Ecology has developed a comprehensive database of potential ARARs and associated screening levels (Ecology, 2011b) for data comparison. In accordance with Ecology's request, the PSLs set at the most stringent of these potential ARARs or in accordance with the draft cleanup levels for the Paccar site in south Seattle were used to evaluate the previous data at the 8th Avenue Terminals property.

Tables that summarize the pathways and potential ARARs used to identify the PSLs are presented in Appendix B. The previous soil, groundwater, and catch basin solids sample analytical data and the PSLs for those media are presented in Tables 1 through 24.

3.1 Environmental Conditions at Potential Contaminant Source Areas

SLR evaluated the previous investigation methods and the technical quality of the previous analytical data, and determined that the sampling methods were appropriate and that all of the analytical data can be used to characterize the site conditions. The MRLs of many of the analyzed compounds for the soil and groundwater samples were lower than the very conservative PSLs; however, most of the samples contained one or more non-detect analyte at MRLs that exceeded the PSLs.

The previous soil, groundwater, and catch basin solids sample analytical data, as well as the associated PSLs and analytical method practical quantitative limits (PQLs), are presented in Tables 1 through 24. Based on a comparison of the PSLs and the previous soil sample analytical data at each potential contaminant source area, a description of the environmental conditions at each potential source area prior to the first phase of the RI is presented below. Due to the potential for impacted groundwater to migrate beyond a potential source area, the environmental conditions of the groundwater beneath the upland portion of the property are discussed separately from the descriptions of the conditions at each potential source area.

3.1.1 Former Concrete Products Manufacturing and Storage Operations

From the 1920s through the early 1980s, a concrete products manufacturing operation was present on Parcel F. The operations were initially located only in the northern part of Parcel F, but by the mid-1940s, concrete products storage were also stored at the southwestern part of Parcel F and the northwestern end of Parcel D. By the mid-1940s, a building that housed the drying kiln and boiler, as well as four additional small buildings that housed mixers, were located in the northwestern part of Parcel F (see Figure 6). By 1960, an office building, three aggregate storage silos, and a storage shed were located in the northeastern part of Parcel F. By 1969, the existing canopy and an existing storage shed (designated on Figure 2 as the western Former Container Repair Shop due to post-1980 property operations) were constructed in the southern and west-central parts of Parcel F, respectively. A fuel oil UST was located in the northwestern part of Parcel F and a gasoline UST was located in the northeastern part of Parcel F (see Figure 6). The gasoline UST was removed in 1988. It is unknown if the fuel oil UST was removed. All of the structures were demolished in the early 1980s, except the office, two of the silos, the canopy, and the western storage shed.

The potential contaminant sources associated with the former concrete products manufacturing and storage operation include the storage and use of fuel oil and gasoline, the use of equipment wash water collection sumps (possible dry wells), and the potential effects of pH adjustment due to precipitation flowing across concrete products and infiltrating into the soil. The gasoline tank was removed in 1988, and the three soil samples collected from the sidewalls and floor of the excavation, as well as the sample collected from a stockpile of excavated soil that was placed back in the excavation, were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). Two of the sidewall samples (designated GST-1 and GST-3) and the stockpile sample (designated Gas – 2nd Stockpile) contained total xylene concentrations greater than the PSL (see Table 7). It is not known why the samples were not analyzed for total petroleum hydrocarbons (TPH) as gasoline.

At or near the former concrete products manufacturing and storage area, a total of 44 soil borings were previously drilled and sampled, 6 surface soil samples were collected, and 2 trench samples and a test pit excavation sample were collected (see Figures 7 and 8). The soil samples were analyzed for PAHs, phenols, phthalates, PCBs, metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and/or zinc), VOCs, and/or petroleum hydrocarbons. The sample analytical results showed that at least one of the soil samples from borings FMW-2, SB-1, SB-2, SB-4, SB-9, SB-10, SLR-1, SLR-2, SLR-3, SLR-5, SLR-6, and SLR-7, from trench samples Trench2-1-8' and Trench4-1-3', and from test pit TP100810 contained PAH [acenaphthene, anthracene, benzo(g,h,i)perylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene]

concentrations that exceeded the soil PSLs (see Tables 2 and 6). Surface soil sample FSS2 contained PAH (fluorene, phenanthrene, and pyrene) concentrations greater than the PSLs. The PAH concentrations above the PSLs typically occurred near the former drying kilns (see Figure 5), the eastern former container repair shop, the former aluminum window manufacturing plant, the existing canopy, and the former excelsior factory and press (see Figure 10). Only the former drying kilns are associated with the former concrete products manufacturing and storage operations. Based on the depth and areas of PAH concentrations greater than the PSLs, it appears that the sources were petroleum spills that primarily occurred after the former concrete products manufacturing operations had ceased.

A soil sample collected from boring FB-4, at a depth of approximately 11 feet bgs, contained a BEHP concentration that exceeded the PSL (see Table 5). FB4 was located near western former container repair shop (see Figure 7). Soil samples collected from boring SLR-5, at depths of approximately 3 and 6 feet bgs, contained diesel-range organics (DRO) and/or heavy oil-range organics (HO) concentrations that exceeded the PSLs (see Table 3). A soil sample collected from test pit TP100810, at a depth of approximately 9.5 feet bgs, contained an HO concentration that exceeded the PSL. Surface soil sample SS-2 contained ethylbenzene and total xylenes concentrations that exceeded the PSLs (see Table 7). The petroleum hydrocarbon concentrations greater than the PSLs are located beneath the eastern former container repair shop and near the former aluminum window manufacturing plant. As described above, petroleum hydrocarbon concentrations greater than the PSLs are also located at the former gasoline UST.

At least one soil sample from borings FMW-2, FB-4, HA-1, HA-6, HA-8, HA-9, HA-11, HA-12, HC-8, MW-1(1994), SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-8, SB-9, SB-10, SB-11, SLR-1, SLR-2, SLR-3, and SLR-7, and from trenches Trench2 and Trench4 contained metals (arsenic, barium, cadmium, copper, lead, mercury, selenium, silver, thallium, and/or zinc) concentrations that exceeded the PSLs (see Table 1). The PSL exceedances for each metal typically occurred in localized areas. Since there is no known source of metals at the former concrete products manufacturing operations area, the concentrations may reflect background conditions or the potential effect of rainfall washing over the stored concrete products, which could cause a slight increase of pH of the water that infiltrated into the soil. The higher pH could have promoted precipitation of metals in the soil. The estimated areas that contained arsenic concentrations greater than the PSL are presented on Figure 11.

Surface soil samples SS-4 and SS-5 contained PCB (aroclor 1260 and aroclor 1248, respectively) concentrations that exceeded the PSL (see Figure 12). SS-4 was located near a former concrete products storage shed and SS-5 was located beneath the former drying kiln building (see Figure 5). The sources of the PCBs are not known; however, it may have been due to leakage of oil from a former electrical transformer or it may have

been in materials of the former concrete products storage shed or the former drying kiln building.

Based on a comparison of the previous soil sample analytical results and the PSLs, the preliminary soil COPCs at the former concrete products manufacturing and storage operations are PAHs, BEHP, DRO, HO, ethylbenzene, total xylenes, PCBs, arsenic, barium, cadmium, copper, lead, mercury, selenium, silver, thallium, and zinc.

3.1.2 Former Aluminum Window Manufacturing Operation

From the late 1940s through the 1970s, an aluminum window and sash manufacturing operation was present at the eastern end of Parcel F. The operation included one building that was constructed in the late 1940s (see Figure 5). A diesel UST was located along the northern end of the building. The UST was removed in 1988, and the building was demolished during the 1990s. The potential contaminant sources associated with the former aluminum window manufacturing operation include the storage and use of diesel and the potential storage and use of lubricating oils and cleaning fluids. During the soil excavation to remove the diesel UST, the soil samples collected from the sidewalls and floor of the excavation did not contain BTEX concentrations greater than the PSLs (see Table 7). The sidewall and floor samples, as well as two soil samples from a stockpile that was placed back in the excavation, did not contain detectable TPH concentrations.

At or near the former aluminum window manufacturing area, a total of 8 soil borings were drilled and sampled, 1 surface soil sample was collected, and 1 test pit excavation sample was collected (see Figure 7). The soil samples were analyzed for PAHs, phenols, phthalates, PCBs, metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and/or zinc), VOCs, and/or petroleum hydrocarbons. The sample analytical results showed that at least one soil sample from borings SB-9 and SLR-6, as well as the soil sample from test pit TP100810, contained PAHs [acenaphthene, anthracene, benzo(g,h,i)perylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)-fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene] concentrations that exceeded the PSLs (see Tables 2 and 6). The sample from TP100810 also contained an HO concentration that exceeded the PSL (see Table 3). SB-9 was located near the eastern former container repair shop, and SLR-6 and TP100810 were located near the former aluminum window manufacturing plant (see Figure 10).

At least one soil sample from borings HA-11, MW-1(1994), SB-8, and SB-9 contained metals (barium, cadmium, lead, mercury, selenium, and/or zinc) concentrations that exceeded the PSLs. The metals concentrations greater than the PSLs occur in localized areas near the eastern former container repair shop and the former aluminum window manufacturing plant.

Based on a comparison of the previous soil sample analytical results and the PSLs, the preliminary soil COPCs at the former aluminum window manufacturing area are PAHs, HO, barium, cadmium, lead, mercury, selenium, and zinc.

3.1.3 Former Sawmill Operations and Excelsior Factory and Press Area

From 1917 to 1941, sawmill operations were present in the central part of Parcel D. The structures associated with the operations consisted of a mill building, a boiler house, three wood bins, a fuel bin, and a refuse burner (see Figure 4). All of the structures, which were constructed prior to 1920, were demolished before 1946.

From the 1920s through the 1970s, an excelsior (wood shavings) manufacturing operation was present at the southeastern part of Parcel F and the northeast corner of Parcel D. The structures associated with the operation included a warehouse, three factory and press buildings, a chimney, and two cottonwood storage sheds that were constructed in the 1920s (see Figure 5). An oil AST (likely heating oil) was located along the northwestern part of the warehouse building, and a pole-mounted electrical transformer was located along the northern end of the northern factory and press building. The southern factory and press building and associated chimney were demolished in the late 1940s or the 1950s. All of the other structures were demolished and the AST and the transformer were removed during the early 1980s.

The potential contaminant sources associated with the former sawmill operations include the potential storage and use of lubricating oils, and the incineration of unspecified refuse and potential accumulation and burial of ash. The potential contaminant sources associated with the former excelsior manufacturing operations include the oil AST and the potential storage and use of lubricating oils at the factory and press area, and the potential burning of wood and accumulation and burial of ash (based on the presence of a chimney).

At or near the former sawmill and excelsior factory and press operation areas, a total of 9 soil borings were drilled and sampled, and 2 trench samples and 1 surface soil sample were collected (see Figures 7 and 8). According to the soil boring logs, no evidence of buried ash was observed in any of the borings. The soil samples were analyzed for PAHs, phenols, phthalates, PCBs, metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and/or zinc), VOCs, and/or petroleum hydrocarbons. The soil sample analytical results showed that at least one of the samples collected from CMW-3, DB8, DB10, SLR-3, SLR-4, and Trench1 contained PAH [acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)-fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene] concentrations that exceeded the PSLs (see Table 2). CMW-3 was located at a sand and dredge fill area, DB8 was located within the

former treated pole storage area, and DB10, SLR-3, SLR-4, Trench1, and Trench4 are located near the former excelsior factory and press operations and manufacturing and warehouse operations (see Figure 10). At least one of the samples from CMW-3 and DB10 contained PCB (aroclor 1254 and aroclor 1260, respectively) concentrations that exceeded the PSLs (see Table 3). As stated above, CMW-3 was located at a sand and dredge fill area and DB10 was located near the former excelsior factory and press (see Figure 12).

At least one of the samples from borings CMW-3, DB8, DB10, HA-9, SB-7, and SLR-3 and from Trench1 contained metals (arsenic, barium, cadmium, copper, lead, mercury, thallium, and/or zinc) concentrations greater than the PSLs (see Table 1). The metals concentrations greater than the PSLs occur in localized areas near the former excelsior factory and press and the former excelsior manufacturing and warehouse; however, at the western and eastern parts of the former sawmill operations area (at the former treated pole storage area and the eastern sand and dredge fill area, respectively), the metals (particularly arsenic) concentrations greater than the PSLs extend over larger areas beyond the former sawmill area. The estimated areas of arsenic concentrations greater than the PSL are shown on Figure 11.

Since DB8 was located at the former treated pole storage area and PAHs and metals concentrations above the PSLs are present in the soil at the former wood treating operations area (as described in Section 3.1.4), the impacted soil at DB8 is likely associated with the former wood treating operations and not the former sawmill operations (see Figures 10 and 11). Since CMW-3 was located within an area of sand and dredge fill and several contaminants not typically associated with sawmills (PCBs and metals) are present in the soil at that location, the impacted soil at CMW-3 is likely associated with the dredge fill and not the former sawmill operations (see Figures 10 and 11).

Based on a comparison of the previous soil sample analytical results and the PSLs, the preliminary soil COPCs at the former sawmill and excelsior factory and press area are PAHs, PCBs, arsenic, barium, cadmium, copper, lead, mercury, thallium, and zinc. Since there were a limited number of samples collected from the former sawmill and excelsior factory and press area and semi-volatile petroleum hydrocarbons are often associated with sawmills, the preliminary soil COPCs also include DRO and HO. Since none of the previous soil samples from the area were analyzed for dioxins or furans and a potential contaminant source is the potential burning of wood and unspecified refuse and the accumulation and burial of ash, the preliminary soil COPCs also include dioxins and furans.

3.1.4 Former Wood Treating Operations

From the early 1940s to approximately 1957, a wood treating operation was present in the northwestern part of Parcel D; however, there is no available information about the type of wood treatment process or the chemicals used in the process. The structures initially associated with the operation consisted of an office, a garage, a boiler building, two creosote tanks, and a pole dipping tank (see Figure 5). In 1954, a pump house building that contained some tanks was constructed. A treated pole storage area was located to the east of the structures. The pole dipping tank was removed prior to 1960, and the garage and boiler building were demolished prior to 1969. All of the other structures were demolished by the early 1980s.

The potential contaminant sources associated with the former wood treating operation include the storage and use of wood treating chemicals, and the potential burning of wood (in the boiler) and the accumulation and burial of ash. At or near the former wood treating operation, a total of 26 soil borings were drilled and sampled (see Figure 8). According to the soil boring logs, evidence of buried ash was not observed in any of the borings. The soil samples were analyzed for PAHs, phenols, phthalates, PCBs, metals (arsenic, cadmium, chromium, copper, lead, nickel, and/or zinc), VOCs, and/or petroleum hydrocarbons. The sample analytical results showed that at least one of the soil samples from borings DB1, DMW2, DMW3, DB8, DB9, DB11, DB12, and HC-102 contained PAH [acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)-anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene] concentrations that exceeded the PSLs (see Tables 2 and 6). The PAH concentrations greater than the PSLs are located near the former tank locations and the former treated pole storage area, and extend to the south of the former wood treating operations area (see Figure 10). The source of the PAHs is likely the wood treating operations.

At least one of the soil samples from borings DMW2, DB11, DB12, and HC-13 contained BEHP, pentachlorophenol, 2,4,6-trichlorophenol, 2-methylphenol, phenol, and/or 2,4-dimethylphenol concentrations that exceeded the PSLs (see Tables 4 and 5). Samples from DMW2 and DB11 also contained toluene, ethylbenzene and/or total xylenes concentrations greater than the PSLs, and samples from DMW2 and DMW3 contained acetone concentrations greater than the PSL (see Table 7). DMW2, DB11, DB12, and HC-13 were located near the former tanks and pump house, the former creosote tanks, and the former pole dipping tank (see Figure 8). At least one of the soil samples from borings DB9, DB11, DB12, and HC-1 contained PCB (aroclor 1254 or aroclor 1260) concentrations that exceeded the PSLs (see Table 3). The PCB concentrations greater than the PSLs occur near the former tanks and former garage, and at the former treated pole storage area (see Figure 12). The source of the PCBs at the former wood treating operations area is not known.

At least one of the soil samples collected from borings DB1, DMW2, DMW3, DB8, DB9, HC-1, HC-1A, HC-5, HC-8, HC-9, HC-10, HC-11, HC-13, HC-14, HC-16, HC-17, and HC-19 contained arsenic concentrations that exceeded the PSL (see Table 1). The arsenic concentrations greater than the PSL occur throughout most of the former wood treating operations area and extends to the south-southeast of the area (see Figure 11). Samples from DMW2, DMW3, DB8, and DB-9 also contained cadmium, copper, lead and/or zinc concentrations that exceeded the PSLs. Soil samples collected from boring DB11 contained lead concentrations that exceeded the PSLs. The source of the metals is likely the former wood treating operations.

Based on a comparison of the previous soil sample analytical results and the PSLs, the preliminary soil COPCs at the former wood treating area are PAHs, BEHP, pentachlorophenol, 2,4-dimethylphenol, 2,4,6-trichlorophenol, 2-methylphenol, phenol, acetone, toluene, ethylbenzene, total xylenes, PCBs, arsenic, cadmium, copper, lead, and zinc. TPH concentrations greater than 2,000 mg/kg were detected in soil samples from boring DB11, and even though there is no PSL for TPH, the PSLs for gasoline range organics (GRO), DRO, and HO are 2,000 mg/kg or below. Therefore, the preliminary soil COPCs also include petroleum hydrocarbons (GRO, DRO, and HO). Since none of the previous soil samples from the area were analyzed for dioxins or furans and a potential contaminant source is the potential burning of wood (in the boiler) and the accumulation and burial of ash, the preliminary soil COPCs also include dioxins and furans.

3.1.5 Former Pipe and Chain Manufacturing Operations

From 1918 to the mid-1970s, a hydraulic equipment and metal pipes manufacturing operation was present in the southern part of Parcel D. The initial structures associated with the operations consisted of two offices, a garage, a pipe manufacturing building, a blacksmith shop, and a pipe dipping shop (see Figures 4 and 5). The pipe dipping shop included a furnace and two dipping kettles. Pipe drying and storage skids were located to the west of the pipe dipping shop. In the late 1930s, the operations were expanded to include chain manufacturing at the southern end of the property, and a chain manufacturing and coating building, a compressor house, and an acetylene generator shed were constructed. In the 1940s, the pipe manufacturing building was expanded to the south, the two office buildings were expanded, and a travelling crane was installed to the north of the pipe manufacturing building (see Figure 5). An annealing oven was installed at the southwest corner of the chain manufacturing building and a sandblast operation was located at the eastern end of the building. The blacksmith operations were discontinued during the 1940s. A 1,000-gallon oil AST (likely heating oil) was located along the east side of the southern office building. All of the structures were demolished and the oil AST was removed during the late 1970s.

The potential contaminant sources associated with the former pipe and chain manufacturing operation include the storage and use of heating oil, the potential storage and use of lubricating oils and cleaning fluids, the pipe dipping operations, the potential generation of metals shavings/slag, and the potential burning of wood (in the furnace and oven) and accumulation and burial of ash. At or near the former pipe and chain manufacturing operation, a total of 17 soil borings were drilled and sampled (see Figures 8 and 9). According to the soil boring logs, evidence of buried ash was not observed in any of the borings. The soil samples were analyzed for PAHs, phenols, phthalates, PCBs, metals (arsenic, barium, cadmium, chromium, copper, lead, nickel, selenium, silver, and/or zinc), VOCs, and/or petroleum hydrocarbons. The soil sample analytical results showed that at least one of the samples collected from borings CMW-5, CMW-6, CMW-7, DB4, DB5, DMW6, DB7, DB13, HC-101, HC-103, HC-104, HC-105, HC-106, HC-107, and HC-110 contained PAH [acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)-fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)-anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene] concentrations that exceeded the PSLs (see Tables 2 and 6). The PAH concentrations greater than the PSLs are located beneath the former pipe manufacturing building and extend to the south-southwest, beneath the chain manufacturing operations area (see Figure 10). PAH concentrations greater than the PSLs also extend to the north of the former pipe manufacturing building. The likely source of the PAH-impacted soil is the use of lubricating oils at the former pipe and chain manufacturing areas.

At least one soil sample collected from borings DMW6 and DB7 contained BEHP, phenol, 2-methylphenol, 2,4-dimethylphenol, and/or pentachlorophenol concentrations that exceeded the PSLs (see Tables 4 and 5). Soil samples from boring DMW6 also contained ethylbenzene and total xylenes concentrations greater than the PSLs (see Table 7). At least one soil sample from borings CMW-7, HC-103, and HC-106 contained GRO, DRO, and/or HO concentrations that exceeded the PSLs (see Table 3). The phenol, phthalate, VOC, and petroleum hydrocarbon exceedances occurred in localized areas near or beneath the former pipe and chain manufacturing buildings. DMW6 and DB7 were also located near the southern dredge fill area.

At least one soil sample collected from borings CMW-6, CMW-7, DMW6, DB7, and HC-4 contained PCB (aroclor 1254) concentrations that exceeded the PSL (see Table 3). The PCB exceedances occurred near the former pipe and chain manufacturing buildings (see Figure 12), and the sources of the PCBs are not known; however, they may have been due to PCBs in the building materials. DMW6 and DB7 were also located near a dredge fill area, and PCBs could have been present in the fill.

At least one soil sample collected from borings CMW-5, CMW-6, CMW-7, DB4, DB5, DMW6, DB7, HC-103, HC-104, HC-106, HC-107, and HC-110 contained arsenic concentrations that exceeded the PSL (see Table 1). Samples from CMW-5, CMW-6,

CMW-7, DB5, DMW6, and DB7 also contained barium, cadmium, copper, lead, mercury, nickel, and/or zinc concentrations that exceeded the PSLs. The metals-impacted soil occurs beneath the former pipe manufacturing building and extends south-southwest to the former chain manufacturing area (see Figure 11). The metals-impacted soil also extends to the north and east of the former pipe manufacturing building. The sources of the metals-impacted soil are likely associated with the pipe and chain manufacturing operations and possibly dredge fill that was placed beneath the eastern part of the former location of the pipe manufacturing building.

Based on a comparison of the previous soil sample analytical results and the PSLs, the preliminary soil COPCs at the former pipe and chain manufacturing area are PAHs, phenol, 2-methylphenol, 2,4-dimethylphenol, pentachlorophenol, BEHP, ethylbenzene, total xylenes, GRO, DRO, HO, PCBs, arsenic, barium, cadmium, copper, lead, mercury, nickel, and zinc. Since none of the previous soil samples from the area were analyzed for dioxins or furans and a potential contaminant source is the potential burning of wood (in the furnace and oven) and accumulation and burial of ash, the preliminary soil COPCs also include dioxins and furans.

3.1.6 Dredge Fill Areas

In the early 1980s, approximately 5,500 cubic yards of sloughed material from the top of the bank along Slip 4 and the Duwamish Waterway were dredged during the construction of the sheet pile seawall. The dredging locations are shown on Figure 6. The dredged material and approximately 14,500 cubic yards of imported material were used to re-grade the surface of Parcel D. According to an unnamed drawing that was in Crowley's files, there are three areas of dredge fill and two areas of dredge and sand fill at the property. The dredge and sand fill was used to backfill portions of the excavated area inland of the seawall. The approximate locations where the dredged material was backfilled are shown on Figures 6, 7, 8, and 9.

During the dredging activities, potentially impacted soil from the bank and potentially impacted sediment in Slip 4 and the Lower Duwamish Waterway could have been excavated and used as fill. Based on the historic operations in the southern and southeastern parts of the property (former pipe and chain manufacturing) and the previous soil sample analytical results from that area, as well as the previous sediment sample analytical results from Slip 4 (see Section 3.5), the potential contaminants in the dredge fill include PAHs, PCBs, phenols, phthalates, metals, VOCs, DRO, HO, and dioxins and furans. At or near the dredge fill areas, a total of 10 soil borings were drilled and sampled, and 1 trench sample was collected (see Figures 7, 8, and 9). None of the borings were located at the northern and eastern dredge fill areas. The soil samples were analyzed for PAHs, phenols, phthalates, PCBs, metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and/or zinc), VOCs, and/or petroleum hydrocarbons. The soil sample analytical results showed that the samples

collected from borings CMW-3, CMW-4, CMW-5, DMW6, DB7, DB13, and HC-107 and from trench sample SCV-12' contained PAH [acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)-fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)-anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene] concentrations that exceeded the PSLs (see Tables 2 and 6). CMW-3, CMW-4, and SCV-12' were located at or near the southern sand and dredge fill area, and DMW6, DB7, DB13, CMW-5, and HC-107 were located at or near the southern dredge fill area (see Figure 10). The elevated PAH concentrations in the soil at CMW-3, CMW-4, and SCV-12' are likely due to the dredge fill; however, the elevated PAH concentrations in the soil at DMW6, DB7, DB13, CMW-5, and HC-107 may be due to the dredge fill or the former pipe manufacturing operations.

At least one soil sample collected from borings CMW-3, CMW-4, DMW6, and DB7 contained PCB (aroclor 1254) concentrations that exceeded the PSL (see Table 3). Samples from DMW6 and DB7 also contained phenol, 2-methylphenol, 2,4-dimethylphenol, and/or pentachlorophenol concentrations that exceeded the PSLs (see Table 4). The sample from CMW-4 also contained BEHP, butyl benzyl phthalate, dibutyl phthalate, and di-n-octyl phthalate concentrations that exceeded the PSLs (see Table 5). CMW-3 and CMW-4 were located at the southern sand and dredge fill area (see Figure 12) and the PCBs at that area were likely present in the dredge fill. DMW6 and DB7 were located near the southern dredge fill area and the former pipe manufacturing building, and the PCBs at those locations may have been due to PCBs in the materials of the former pipe manufacturing building or to PCBs in the dredge fill. The phenols and phthalates also could have been present in the dredge fill.

Soil samples collected from boring DMW6 contained acetone, chlorobenzene, ethylbenzene, and/or total xylenes concentrations greater than the PSLs (see Table 7). The VOCs may have been present in the dredge fill or may have been due to the former pipe manufacturing operations.

At least one soil sample collected from borings CMW-3, CMW-4, CMW-5, DMW6, DB7, and HC-107 contained arsenic concentrations that exceeded the PSL (see Table 1). Samples from CMW-3, CMW-4, CMW-5, DMW6, and DB7 also contained barium, cadmium, copper, lead, mercury, nickel, and/or zinc concentrations that exceeded the PSLs. The soil samples from borings CMW-1 and CMW-2a contained barium concentrations that exceeded the PSL. The source of the metals-impacted soil at CMW-3 and CMW-4 (at the southern sand and dredge fill area) is likely dredge fill, and the source of the metals-impacted soil at CMW-5, DMW6, and DB7 (the southern dredge fill area) may be the dredge fill or the former pipe manufacturing operations (see Figure 11). The barium concentrations at CMW-1 and CMW-2a (at the northern and southern sand and dredge fill areas, respectively) are likely due to the dredge fill.

Based on a comparison of the previous soil sample analytical results and the PSLs, the preliminary soil COPCs at the dredge fill areas are PAHs, PCBs, phenol, 2-methylphenol, 2,4-dimethylphenol, pentachlorophenol, BEHP, butyl benzyl phthalate, dibutyl phthalate, di-n-octyl phthalate, acetone, chlorobenzene, ethylbenzene, total xylenes, arsenic, barium, cadmium, copper, lead, mercury, nickel, and zinc. TPH concentrations greater than 2,000 mg/kg were detected in soil samples from borings DMW6 and DB13, and even though there is no PSL for TPH, the PSLs for GRO, DRO, and HO are 2,000 mg/kg or below. Therefore, the preliminary soil COPCs also include petroleum hydrocarbons (GRO, DRO, and HO).

3.1.7 Groundwater Conditions

During the previous investigations at the 8th Avenue Terminals property, a total of 27 groundwater monitoring wells were installed and at least one groundwater sample was collected from each well. The wells are located throughout the upland portion of the property, and seven of the wells (CMW-1 through CMW-7) are located within 50 feet of the Duwamish Waterway (see Figure 2). The previous groundwater samples were analyzed for PAHs, phenols, phthalates, PCBs, metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and/or zinc), VOCs, and/or petroleum hydrocarbons. The groundwater sample analytical results showed that at least one of the samples from wells CMW-2, CMW-3, CMW-4, CMW-5, CMW-6, DMW-2, DMW-3, DMW-6, HC-19, and HC-20 contained PAH [acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzofuran, fluoranthene, fluorene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene] concentrations that exceeded the groundwater PSLs (see Tables 11 and 15). There are two areas of PAH concentrations in the groundwater that exceed the PSLs. The larger area begins at the west-central part of the property (at the former wood treating area) and extends approximately 580 feet to the southeast (hydraulically downgradient), to the sheet pile seawall (see Figure 13). The alignment of the PAH-impacted groundwater corresponds to the general groundwater flow direction during low-tide conditions in that area, as shown on Figures 20 and 24. The second area of PAH concentrations greater than the PSLs occurs along the sheet pile seawall, at the southern sand and dredge fill area. Based on the areas of PAH concentrations in the soil greater than the PSLs (see Figure 10), the PAH concentrations in the groundwater are likely due to releases at the former wood treating area and the former pipe and chain manufacturing area (the western area of PAH-impacted groundwater), and to PAHs in the dredge fill at the southern sand and dredge fill area (the eastern area of PAH-impacted groundwater).

In July 1994, groundwater samples from wells MW-1(1994) and MW-2 contained DRO and HO concentrations that exceeded the PSLs (see Table 12). MW-1(1994) was located near the former diesel UST at the former aluminum window manufacturing plant (see Figure 7), and the DRO and HO concentrations were likely due to releases from the

storage or fueling operations. MW-2 was located near the north side of the eastern former container repair shop, and the DRO and HO concentrations were likely due to localized petroleum spills that occurred after the former concrete products manufacturing operations had ceased. MW-1(1994) and MW-2 were abandoned several years ago, and in August 2011, two groundwater monitoring wells (SLR-2 and SLR-6) were installed in the vicinities of MW-1(1994) and MW-2 (see Figure 7). The groundwater samples collected from SLR-2 and SLR-6 in August 2011 did not contain detectable DRO or HO concentrations.

At least one groundwater sample from wells CMW-1, CMW-2, CMW-3, CMW-4, CMW-5, CMW-6, CMW-7, DMW-2, DMW-3, DMW-6, FMW-1, FMW-2, HC-1, MW-1(1988), SLR-1, SLR-2, SLR-3, and SLR-7 contained total and/or dissolved arsenic concentrations that exceeded the PSL (see Tables 9 and 10). The arsenic concentrations greater than the PSLs occur throughout almost the entire upland portion of the property (see Figure 14). Based on the arsenic concentrations in soil (see Figure 11), the arsenic concentrations in the groundwater beneath the west-central and southern parts of the property appear to be due to releases at the former wood treating area and the former pipe and chain manufacturing area. However, based on the relatively consistent arsenic concentrations in the groundwater, including in the northeastern part of the property where the arsenic concentrations in the soil are localized (see Figure 11), it appears that the arsenic concentrations in the groundwater could also reflect background conditions.

At least one groundwater sample from wells CMW-1, CMW-2, CMW-3, CMW-4, CMW-5, CMW-6, and CMW-7 contained barium and selenium concentrations that exceeded the PSLs (see Tables 9 and 10). At least one groundwater sample from CMW-1, CMW-2, CMW-3, CMW-4, CMW-6, CMW-7, DMW-6, FMW-1, FMW-3, HC-2, HC-4, MW-1(1988), SLR-3, and SLR-6 contained copper concentrations that exceeded the PSL. At least one groundwater sample from CMW-2, CMW-3, CMW-4, CMW-6, and SLR-3 contained lead concentrations that exceeded the PSL. At least one groundwater sample from CMW-1, DMW-3, and SLR-3 contained nickel concentrations that exceeded the PSL. Groundwater samples from HC-1 and SLR-3 contained cadmium concentrations that exceeded the PSL, and a sample from SLR-6 contained a mercury concentration that was greater than the PSL. Samples from CMW-2, HC-1, and MW-1(1988) contained antimony concentrations that exceeded the PSL, and samples from CMW-1 and DMW-2 contained zinc concentrations that exceeded the PSL. The groundwater sample analytical results show that the higher metals concentrations in the groundwater are typically located within 50 feet of the Lower Duwamish Waterway (at wells CMW-1 through CMW-7) instead of further inland where many of the potential metals sources are located.

Based on a comparison of the previous groundwater sample analytical results and the PSLs, the preliminary groundwater COPCs are PAHs, DRO, HO, antimony, arsenic, barium, cadmium, copper, lead, mercury, nickel, selenium, and zinc.

3.2 Previous Remedial Action

In November 1988, Hart Crowser directed the removal of the 8,000-gallon diesel UST and the 2,000-gallon gasoline UST from the northeastern part of Parcel F. The former locations of the tanks are shown on Figure 7. During the excavations, a total of 50 cubic yards of petroleum hydrocarbon-impacted soil was removed and hauled off-site for disposal at a landfill (Hart Crowser, 1989a). Sidewall and floor samples were collected from each excavation and the sample analytical results are discussed in Section 3.1.

3.3 Storm Water Catch Basin Solids Quality

During a joint Seattle Public Utilities (SPU)/Ecology inspection of the 8th Avenue Terminals property in 2004, a solids sample was collected from one of the storm water catch basins (DP4CB3; designated by SPU as CB37) on Parcel D (Ecology, 2006). The sample was analyzed for PAHs, phthalates, PCBs, metals (arsenic, copper, lead, mercury, and zinc), and petroleum hydrocarbons. The analytical results showed that the sample contained PAH [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)-fluoranthene, chrysene, fluoranthene, and phenanthrene] concentrations that exceeded the catch basin solids PSLs (see Table 18). The sample also contained lead, zinc, BEHP, butyl benzyl phthalate, and dimethyl phthalate concentrations that exceeded the PSLs (see Tables 17 and 21). Catch basin DP4CB3 is located in the central part of Parcel D (see Figure 3).

In July 2008, SPU collected a composite solids sample (designated CB123-071908) from two catch basins (DP3CB1 and DP5CB1) on Parcel D (Ecology, 2009). The sample was analyzed for PAHs, phenols, phthalates, PCBs, metals (arsenic, copper, lead, mercury, and zinc), and petroleum hydrocarbons. The analytical results showed that the sample contained PAH [anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene] concentrations that exceeded the PSLs (see Table 18). The sample also contained arsenic, lead, zinc, and butyl benzyl phthalate concentrations that exceeded the PSLs (see Tables 17 and 21). Catch basins DP3CB1 and DP5CB1 are located at the southern and southeastern ends of the upland portion of the property (see Figure 3).

In December 2009, Strata collected solids samples (designated STORM-5, STORM-13, and STORM-14) from three catch basins (DP6CB1, DP3CB5, and DP4CB3, respectively) on Parcel D (Strata, 2010). The samples were analyzed for PAHs, metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), VOCs, and petroleum hydrocarbons. The analytical results showed that the sample from DP6CB1 contained arsenic, chromium, and lead concentrations that exceeded the PSLs (see Table 17). The sample from DP3CB5 contained PAH [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene], arsenic, chromium, lead, and

total xylenes concentrations that exceeded the PSLs (see Tables 17, 18, and 23). The sample from DP4CB3 contained PAH (anthracene and chrysene), arsenic, chromium, lead, zinc, and total xylenes concentrations that exceeded the PSLs. DP3CB5 and DP4CB3 are located in the central part of Parcel D, and DP6CB1 is located in the northeastern part of Parcel D (see Figure 3).

Based on the previous storm water catch basin solids sample analytical results, the preliminary catch basin solids COPCs on Parcel D are PAHs, arsenic, chromium, lead, zinc, total xylenes, BEHP, butyl benzyl phthalate, and dimethyl phthalate.

Catch basin solids samples have not previously been collected from any of the catch basins on Parcel F; however, as discussed in Section 2.2.3, the current storm water drainage system on Parcel F was installed in July and August 2012, and the previous drainage system components on Parcel F were abandoned. The previous system components were abandoned by removing the lid and ring of each basin, removing the solids from each basin, and filling the basins and the ends of the conveyance lines with cement (SLR, 2012). The solids from the catch basins were hauled off-site for disposal at a licensed facility.

3.4 Previous Sediment Dredging on 8th Avenue Terminals Property

In May 1980, Marine Power & Equipment Company, Inc. (Marine Power & Equipment) applied for a permit from the U.S. Army Corps of Engineers (Corps) to dredge approximately 85,000 cubic yards of sediment from the western side of Slip 4. This dredging was part of the construction of the pier and berthing facility on the current 8th Avenue Terminals property. The Corps issued a dredging permit on January 27, 1981, and the project was completed prior to April 10, 1981 [PTI Environmental Services (PTI), 1995]. Cross sections of the slip prior to dredging indicated that the maximum depth of the slip was approximately 3 feet below the mean lower low water (-3 feet MLLW) level. The post-dredging depth of the western portion of the slip was -15.2 feet MLLW. The dredged material was disposed in open water at the 4-Mile Rock disposal site in Elliott Bay. There are no known records of any sampling associated with the work, except for a letter by the EPA that states that the material to be dredged has relatively high concentrations of sulfides (EPA, 1980). Copies of the Corp's records for the dredging permit, including figures that show plan and cross-sectional views of the planned dredging area are presented in Appendix C.

In 1996, American Construction Co., Inc., under the supervision of Hartmann and Associates, Inc., and on behalf of Crowley, dredged a total of approximately 10,977 cubic yards of sediment and underlying material from the southwestern part of Slip 4. The approximate area of dredging is shown on Figure 3. The dredging, which was a

maintenance activity to allow for continued pier access by barges and tugboats, deepened the Crowley-owned portion of the slip to approximately -15 feet MLLW. Prior to the dredging, sediment samples were collected in 1994 and 1995 to characterize the material for potential open-water disposal under the Puget Sound Dredged Disposal Analysis (PSDDA) program. In 1994, PTI collected surface sediment samples from eight locations (designated 1 through 8) in the southern part of Slip 4, including three (locations 1, 2, and 3) from the planned dredging area. The approximate locations of the surface sediment samples are shown on Figure 15. The samples were analyzed for metals, semi-volatile organic compounds (SVOCs), and PCBs. None of the samples from the planned dredging area contained contaminant concentrations that exceeded the PSDDA maximum levels (MLs) (PTI, 1995). In 1995, the planned dredging area was divided into four dredged material management units (DMMUs), and two sediment cores were collected and composited from each DMMU. The approximate locations of the sediment cores are shown on Figure 15. The samples were analyzed for metals, SVOCs, PCBs, and volatile organic compounds (VOCs), and only the composite sample from DMMU 1 contained a contaminant (fluoranthene) concentration that exceeded a PSDDA ML (PTI, 1996). All four samples were subsequently analyzed for bioassay and/or bioaccumulation testing, and based on the toxicity results, only the sediments from DMMU 2 were suitable for disposal at a PSDDA site. A total of 2,285 cubic yards of dredged material from DMMU 2 was disposed at a PSDDA open water disposal site, and 8,692 cubic yards of material from the other three DMMUs were disposed at the Columbia Ridge Landfill in Arlington, Oregon. There are no records of any post-dredging sediment sample analytical results.

3.5 Sediment Quality

As described in Section 3.4, Marine Power & Equipment dredged approximately 85,000 cubic yards of sediment from the western side of Slip 4 in 1981. This dredging was part of the construction of the pier and berthing facility on the property. The dredging activities deepened Slip 4 and the Duwamish River, within the entire current 8th Avenue Terminals property area and beyond the current property line to the west, southwest, and north, by more than 12 feet (to an elevation of -15.2 feet MLLW). Figures that depict the dredging area are presented in Appendix C. Based on cross sections of the dredging activities that are presented in Appendix C, it appears that the dredging removed all of the sediments and extended to the top of the underlying native soil. The dredged material was disposed in open water at the 4-Mile Rock disposal site in Elliott Bay. There are no known records of any sampling associated with the work, except for a letter by the EPA that states that the material to be dredged had relatively high concentrations of sulfides (EPA, 1980). However, the 1981 dredging activities likely removed any sediment on the property that had been impacted by historic sources at the property or by neighboring historic sources.

From 1983 through 1988, a total of 11 surface sediment samples were collected from Slip 4 during investigations by the EPA, Metro, PTI and Tetra Tech, and HartCrowser (Landau, 1990). Seven of the samples were located on or adjacent to the current 8th Avenue Terminals property. The investigation results showed that the total PCB concentrations were highest at the head of Slip 4 and decreased with distance towards the 8th Avenue Terminals property and the mouth of the slip. A figure by Landau that shows the surface sediment sample locations and the total PCB concentrations (in mg/kg dry weight) is presented in Appendix D. Since the total organic carbon concentrations in the samples are not known, we could not compare the total PCB data to Ecology's sediment management standards (SMS; WAC 173-204).

In 1990, Landau collected surface sediment samples (SL-4-1 through SL-4-12) at 12 locations throughout Slip 4, including at 4 locations (SL-4-1 through SL-4-4) within or adjacent to the current 8th Avenue Terminals property. Landau also collected subsurface sediment cores (SL-4-1A through SL-4-12A) that were up to 10 feet deep at 12 locations throughout Slip 4. Most of the core locations (including the 4 cores within or adjacent to the current 8th Avenue Terminals property) were at the same locations as the surface sediment samples. Landau figures that show the approximate locations of the surface sediment samples and sediment cores are presented in Appendix D. The samples were analyzed for metals, PCBs, and SVOCs. The sample analytical results showed that the highest PCB concentrations in the surface and subsurface samples were at the head of the slip and decreased with distance toward the mouth (Landau, 1990). Lead and BEHP were also present at the head of the slip at concentrations greater than the SMS sediment quality standard (SQS). The four surface sediment samples located within or adjacent to the 8th Avenue Terminals property contained total PCB concentrations that exceeded the SQS. Surface sediment samples SL-4-3 and SL-4-4 also contained phenol concentrations above the SMS cleanup screening level (CSL), and SL-4-4 contained a benzoic acid concentration greater than the CSL. Subsurface sediment samples from SL-4-3A (at 2 to 3 feet deep) and SL-4-4A (at 2.5 to 4 feet deep) contained total PCB concentrations that exceeded the CSL, and samples from SL-4-2A (at 2 to 3.75 feet deep) and SL-4-3A (at 4 to 6 feet deep) contained total PCB concentrations that exceeded the SQS. The sample from SL-4-2A (at 2 to 3.75 feet deep) also contained PAH [acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, pyrene, chrysene, dibenz(a,h)anthracene, fluorene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene, fluoranthene, dibenzofuran, and phenanthrene] concentrations above the CSLs and benzo(g,h,i)perylene and anthracene concentrations greater than the SQSs. The sample from SL-4-3A (at 2 to 3 feet deep) also contained a BEHP concentration that exceeded the SQS.

As discussed in Section 3.4, PTI collected surface sediment samples and sediment core samples from Slip 4 in 1994 and 1995 to characterize the material to be dredged in 1996 from the current 8th Avenue Terminals property. In 1994, PTI collected surface sediment samples from eight locations (designated 1 through 8) in the southern part of Slip 4,

including three (locations 1, 2, and 3) from the planned dredging area. The approximate locations of the surface sediment samples are shown on Figure 15. The samples were analyzed for metals, SVOCs, and PCBs. The sample analytical results showed that samples 7 and 8, which were located east and northeast of the 8th Avenue Terminals property, contained total PCB concentrations that exceeded the CSL (PTI, 1995). All of the samples, including the three samples from the planned dredging area, contained total PCB concentrations that exceeded the SQS. In 1995, the planned dredging area was divided into four DMMUs, and two sediment cores were collected and composited from each DMMU. The approximate locations of the sediment cores are shown on Figure 15. The samples were analyzed for metals, SVOCs, PCBs, and VOCs. The sample analytical results showed that all four samples contained total PCB concentrations that exceeded the SQS (PTI, 1996). The sample from DMMU 1 also contained PAH [benzo(g,h,i)perylene, benzo(a)anthracene, benzo(a)pyrene, fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and phenanthrene] concentrations that exceeded the SQSs. In 1996, American Construction Co., Inc., on behalf of Crowley, dredged a total of approximately 10,977 cubic yards of sediment and underlying material from the southwestern part of Slip 4. The approximate area of dredging is shown on Figure 3. The dredging, which was a maintenance activity to allow for continued pier access by barges and tugboats, deepened the Crowley-owned portion of the slip to approximately -15 feet MLLW. There are no records of any post-dredging sample analytical results.

During several investigations that were conducted in 1998 and 1999, surface sediment samples were collected from a total of 29 locations in Slip 4, including at the mouth of the slip (Integral, 2005). Three of the samples were located on the 8th Avenue Terminals property. Figures by Integral that show the locations of the 1998 and 1999 surface sediment samples are presented in Appendix D. Total PCBs concentrations exceeded the CSL in nearly all of the surface samples located in the northern part of the slip, and exceeded the SQS (but less than the CSL) in several of the samples located in the southern part of the slip. From the 8th Avenue Terminals property, a total PCB concentration greater than the CSL was detected at a sample (DR181) located at the northeast corner of the property, and a PCB concentration greater than the SQS (but less than the CSL) was detected at a sample (EST170) located at the east-central part of the property (see Integral Figure 2 in Appendix D).

In 2004, additional surface sediment samples were collected at 29 locations and sediment cores (up to 12 feet deep) were collected at 11 locations in Slip 4. In addition, one intertidal sample was collected along the eastern shore of Slip 4 and bank samples were collected at six locations. Eight of the surface sediment samples and three of the core samples were located on 8th Avenue Terminals property. Figures by Integral that show the locations of the 2004 samples are presented in Appendix D. The PCB concentrations in six of the surface samples, including in one sample (SG16) from the northern part of the 8th Avenue Terminals property, exceeded the SQS but were less than the CSL (Ecology, 2006, and Integral, 2005). PCB concentrations exceeded the CSL at three

surface sample locations at the head of the slip and at the intertidal area along the eastern bank of the slip (Integral, 2005). At two surface sediment sample locations in the northeastern part of Slip 4, BEHP and/or PAH concentrations exceeded the CSLs. At sample SG16 (at the northern part of the 8th Avenue Terminals property), BEHP and phenol concentrations were slightly above the SQSs.

In 2004, subsurface sediment samples were analyzed at 9 of the 11 core locations, including at 1 of the core locations on the 8th Avenue Terminals property. PCB concentrations exceeded the CSL in six of the cores, and exceeded the SQS, but were less than the CSL, in two of the cores [including the core (SC06) at the northern end of the 8th Avenue Terminals property]. The PCB concentrations greater than the CSL occurred at locations in the northern part of Slip 4, at depths ranging from 0 to 8 feet. Mercury concentrations exceeded the CSL at three cores located near the head of the slip, and silver concentrations exceeded the CSL at one core location near the head of the slip (Integral, 2004).

The PCB concentrations in the 2004 surface sediment samples were typically lower than the concentrations in the surface sediment samples collected during the 1990s. In all cases, the total PCB concentrations in the 2004 surface sediment samples were lower than the concentrations in the top interval (0 to 2 feet) of the collocated core (Integral, 2006). The top interval core samples contained composited surface and subsurface sediment. Within Slip 4, the highest PCB concentrations were found at the head (north end) of the slip (near the five public storm water outfalls described in Section 2.3), with concentrations decreasing toward the mouth (Ecology, 2006).

In 2010, as part of the RI/FS at the North Boeing Field/Georgetown Steam Plant, SAIC collected surface sediment samples (0 to 10 centimeters depth) at 20 locations in the northern part of Slip 4. None of the samples were located on the 8th Avenue Terminals property. A figure by SAIC that shows the 2010 surface sediment sample locations is presented in Appendix D. The purpose of the work was to model the potential for recontamination of the sediments after the City of Seattle's planned remediation of the northern part of Slip 4 was completed. All of the samples were analyzed for PCBs, metals, and SVOCs, and six composited samples were analyzed for dioxins and furans. The sample analytical results showed that the PAHs, PCBs, lead, mercury, zinc, BEHP, and dioxin toxicity equivalent quotient (TEQ) concentrations decreased with distance away from the head of the slip, and that the storm water drainage system discharges at the head of Slip 4 were the primary sources of the sediment contamination in the slip (SAIC, 2010).

In addition to the sediment sampling in Slip 4, a subsurface sediment core (SC45) was collected in 2006 from the Duwamish River, approximately 110 feet south of the southwestern corner of the 8th Avenue Terminals property, and a surface sediment sample (741) was collected from the river, approximately 80 feet southwest of the southwestern

corner of the property. A figure by SAIC that shows the locations of SC45 and 741 is presented in Appendix D. The 2- and 4-foot deep samples from SC45 contained PCB concentrations that exceeded the SQS (SAIC, 2008). Sample 741 contained PAH (fluorene and phenanthrene) concentrations that exceeded the CSL, and benzo(a)anthracene, fluoranthene, chrysene, dibenzofuran, and indeno(1,2,3-cd)pyrene concentrations that exceeded the SQSs, but were below the CSLs. The sources of the PCBs and PAHs at SC45 and 741, respectively, are not known.

After Ecology determined that the sources of the impacted sediments in the northern part of Slip 4 had been adequately controlled, the City of Seattle conducted a cleanup of the contaminated sediments in the Slip 4 Early Action Area (EAA) of the LDW Superfund Site. From October 2011 through February 2012, the EAA was conducted within the City of Seattle property at the northern part of Slip 4. The work included: 1) dredging and off-site disposal of sediments from the northern end of Slip 4, 2) installing a sand/gravel cap over the remaining impacted sediments within the City of Seattle property, and 3) bank excavation and surface capping (Integral, 2007). The work also included the removal of the northern 440-foot-long section of the pier along Parcel D. Prior to and immediately after the EAA, the City of Seattle collected surface sediment samples from four locations (designated BD-1, BD-2, BD-3, and BD-4) at the northern end of the 8th Avenue Terminals property (within the EAA boundary sampling area) to assess the potential impacts from the remedial action to the neighboring sediments. PCB concentrations exceeded the SQS at two of the sample locations (BD-2 and BD-4) prior to construction (in August 2011), and at all four sample locations following construction on February 2, 2012 (Integral, 2012). Following placement of 9 inches of waterway cap material over the boundary area on the subject property in February 2012, PCB concentrations in surface sediment samples collected on February 14, 2012, were less than the SQS at each of the four sample locations.

In October 2012, the City of Seattle collected eight surface sediment samples (SG-18, SB-20, SG-21, SG-22, SG-24, SG-25, SL4-2, and SL4-3) on the 8th Avenue Terminals property to determine if the EA construction activities impacted the surface sediments further southwest of the EAA boundary area. Only the five northernmost samples were analyzed and the other three samples were archived. The two northernmost samples (SG-18 and SL4-3) contained PCB concentrations that exceeded the SQS (Integral, 2013). A figure by Integral that shows the locations of the 2011 and 2012 surface sediment samples on the 8th Avenue Terminals property is presented in Appendix D.

Based on the previous surface sample analytical results and the subsurface sediment/soil sample analytical results, the storm water drainage system discharges at the head of Slip 4 were the primary sources of the sediment contamination in the slip. Based on the distribution of the contamination, there is no evidence of any significant contaminant source from the historic or current operations at the 8th Avenue Terminals property, or the 1981 dredging removed any historic sediment contamination from the property. The only

potential exception is that the PCB and PAH contamination in the Duwamish River (at samples SC45 and 741) may have been due to sources at the property.

4 FIRST PHASE OF REMEDIAL INVESTIGATION

The first phase of the RI was conducted from May through October 2013 in accordance with Ecology's RI/FS Work Plan (Ecology, 2012), after modifications to the scope were accepted by 8th Avenue Terminals and Ecology (Ecology, 2013). The objectives of the first phase of the RI were: 1) to assess the potential contaminant source areas that had limited data, 2) to try to delineate the lateral and vertical extents of the COPCs, 3) to better understand contaminant fate and transport, and the potential receptors, and 4) to further evaluate the ARARs for the site. To better understand contaminant fate and transport, the first phase of the RI included the assessment of several possible contaminant migration pathways for their potential to impact sediments in the Lower Duwamish Waterway (including Slip 4). These pathways included:

- Direct discharges
- Soil erosion
- Storm water discharges
- Sheet flow
- Groundwater discharges and seeps
- Barge operations or any other activities at the 8th Avenue Terminals property
- Spills, dumping, leaks, housekeeping, and management practices

The RI fieldwork and analytical procedures were conducted in accordance with the RI/FS Work Plan's Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) (Ecology, 2012), after modifications were accepted by 8th Avenue Terminals and Ecology (Ecology, 2013). A detailed description of the RI activities is provided below.

4.1 Drill and Sample Soil Borings

To assess the potential contaminant source areas that had limited data and to try to delineate the lateral and vertical extents of the COPCs, a total of 31 soil borings were drilled at the subject property from June 10 through 19, 2013. A total of 11 of the borings were completed as shallow groundwater monitoring wells and 5 of the borings were completed as deep groundwater monitoring wells, as described in Section 4.2. The locations of the soil borings and groundwater monitoring wells are shown on Figure 2. The locations of the borings and wells for the first phase of the RI were in accordance with Ecology's RI/FS Work Plan and the negotiated revisions (Ecology, 2013); however,

a few of the borings or wells were moved up to 70 feet from their planned locations due to logistical issues, after obtaining verbal approval by Ecology.

Environmental Services Network (ESN) of Lacey, Washington, and Holocene Drilling, Inc. (Holocene) of Puyallup, Washington, drilled and sampled the soil borings under the direction of an SLR geologist. All of the borings were drilled by using hydraulic push-probe methods. Almost all of the shallow soil borings were extended to a depth of approximately 20 feet bgs; however, two of the shallow borings (EB-50 and EB-51) met refusal at a depth of approximately 10 feet bgs. The six deeper soil borings (EB-16, EMW-4D, EMW-10D, EMW-14D, EMW-15D, and EMW-16D) were extended to depths ranging from approximately 44 to 50 feet bgs. After drilling and sampling each boring that was not completed as a monitoring well, ESN or Holocene abandoned the boring by filling with hydrated bentonite.

During the drilling of each boring, soil samples were collected on a continuous basis by using 1.5-inch-diameter acetate liners within the drilling rods. SLR personnel logged the encountered soils, and screened each sample for the potential presence of contamination by using visual appearance (staining or sheen), odor, and photoionization detector (PID) readings. The field screening results showed that an oily coating with a creosote-like odor was present on the soil in deep boring EMW-10D (at the former wood treating operations area) at depths ranging from approximately 24 feet to the bottom of the boring (50 feet bgs). There was no evidence of product on the soil in any of the other borings. Charred wood and/or ash were present in several borings (EB-28, EB-45, EMW-3S, EMW-5S, EMW-6S) at depths ranging from approximately 4.8 to 11 feet bgs. Copies of the soil boring logs are provided in Appendix E.

4.1.1.1 Soil Sample Analyses

In accordance with the negotiated RI scope of work (Ecology, 2012 and Ecology, 2013), a minimum of three soil samples were collected from each of the borings for laboratory analysis. The samples collected at depths of approximately 1, 5, and 10 feet bgs were submitted to Friedman & Bruya, Inc. (F&B) in Seattle, Washington, for analysis. The soil samples collected at depths of approximately 15 feet bgs from selected borings were also submitted to F&B for analysis. However, if the field screening results indicated the potential presence of contamination at depths different than the designated sampling depths, then that soil was submitted for analysis in addition to the samples described above. Additional soil samples were also collected at depths of approximately 2.5, 7.5, and 12.5 feet bgs in the shallow soil borings, and archived by F&B for potential follow-up analyses. Additional soil samples were also collected at depths of approximately 2.5, 7.5, 12.5, 15, 20, 25, 30, 35, 40, 45, and 50 feet bgs from the deep soil borings, and archived by F&B for potential follow-up analyses. The analyzed soil samples collected from each each soil boring are listed in Tables 1 through 8.

All of the soil samples were submitted for analysis of the following:

- DRO and HO by Northwest Method NWTPH-Dx (after silica gel cleanup)
- Metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc) by EPA Method 200.8
- Mercury by EPA Method 1631E
- SVOCs by EPA Method 8270D
- PAHs by EPA Method 8270D SIM
- PCBs by EPA Method 8082A
- VOCs by EPA Method 8260C

Additionally, soil samples collected from the borings (EB-5, EB-32, EMW-2S, EMW-12S, EMW-13S, and EMW-16D) located in proximity to the former USTs, the former garage, and the equipment maintenance shop were also submitted for analysis of GRO by Northwest Method NWTPH-Gx. Soil samples from borings EB-24, EB-46, and EB-51 that exhibited petroleum hydrocarbon-like odors were analyzed for GRO, DRO, and HO.

To assess the potential presence of hexavalent chromium, the two soil samples (EB-32-5.0 and EB-38-5.0) that contained the greatest total chromium concentrations were analyzed for hexavalent chromium by EPA Method 7196A. To assess the potential presence of dioxin and furans near the former chimney, former refuse burner, and former oven/incinerator building, selected soil samples collected from borings EB-14, EB-28, EB-46, EMW-5S, and EMW-9S were collected and submitted to SGS Analytical Perspectives, Inc. (SGS), in Wilmington, North Carolina, for analysis of dioxins and furans by EPA Method 8290. Due to the presence of charred wood and/or ash, selected soil samples from borings EB-45, EMW-3S, and EMW-6S were also submitted to SGS for analysis of dioxins and furans.

4.2 Monitoring Well Installation and Development

As discussed in Section 4.1, a total of 16 groundwater monitoring wells were installed in June 2013. ESN installed 11 shallow wells that were screened across the water table (approximately 5 to 20 feet bgs), and Holocene installed five deeper wells in the unconfined aquifer that were screened from approximately 40 to 50 feet bgs. The locations of the wells are shown on Figure 2.

The borings for the shallow wells and deep wells were initially drilled by using hydraulic push-probe methods, with soil samples collected on a continuous basis as described in Section 4.1. After collecting the soil samples, the borings were re-drilled by using hollow-stem auger drilling methods. Each of the wells were constructed of 2-inch-diameter, Schedule 40 PVC casing and screen (0.010-inch-wide slots). Each screen was

15 feet long (shallow wells) or 10 feet long (deep wells). The screened interval for the shallow wells intercepted the groundwater table with at least 1 foot of screen above the seasonal high groundwater table. The screened interval for the deep wells was over 30 feet below the high seasonal groundwater table. The casing of each well was attached to the screen and extended to approximately 6 inches bgs. A filter pack consisting of 10/20 silica sand was installed from the bottom of each well to approximately 2 feet above the uppermost screen slot. A hydrated bentonite seal was installed above the filter pack to approximately 1 foot bgs, and a traffic-rated, flush-grade, steel well vault was installed in concrete at the ground surface. Following installation, ESN developed the shallow wells and Holocene developed the deeper wells by using surging and pumping methods. The well construction details are presented on the soil boring logs in Appendix E.

During June 2013, SLR attempted to locate the monitoring wells [HC-1, HC-2, MW-1 (1988), MW-1 (1994), MW-2, MW-3, FMW-1, FMW-2, and FMW-3] installed from 1988 to 1994 that were reportedly abandoned or destroyed. There was no evidence at the ground surface of wells HC-1, HC-2, MW-1 (1988), MW-1 (1994), MW-2, FMW-1, or FMW-3. However, FMW-2 was found with the monument lid missing and the monument full of soil. During the geophysical survey conducted in August 2013 (described in Section 4.7), MW-3 was discovered under several inches of gravel. ESN abandoned FMW-2 in June 2013 and abandoned MW-3 in September 2013 by over-drilling the well casing and filling the borehole with hydrated bentonite, in accordance with the requirements of WAC 173-160.

Based on previous visual inspections, the six remaining groundwater monitoring wells (DMW2, DMW3, DMW6, HC-4, HC-19, and HC-20) that were installed in 1989 or 1990 contained damaged or improperly constructed surface seals. In June 2013, ESN inspected the wells (except HC-19) to determine if they could be repaired prior to conducting the first groundwater monitoring event. Well HC-19 was not found and is likely located under a pile of wood chips. ESN replaced the well vaults at DMW2, DMW3, DMW6, HC-4 and HC-20, and developed each of these wells by using surging and pumping methods in June 2013.

4.3 Conduct Groundwater Monitoring

After installing the monitoring wells, three groundwater monitoring events were conducted between July and October 2013. The first monitoring event occurred at least 7 days after the development of the newly installed wells and the re-development of the wells that were installed in 1989 and 1990. The first monitoring event was conducted from July 10 through July 12, 2013, during seasonal low-low tide conditions in the Lower Duwamish Waterway. The second monitoring event was conducted from September 23 through September 26, 2013, during seasonal high-high tide conditions in the waterway.

The third monitoring event was conducted from September 30 through October 2, 2013, during seasonal low tide conditions.

During the monitoring events, SLR personnel measured the depth to groundwater at each of the accessible monitoring wells on July 10, September 23, and October 2, 2013. On September 23rd and October 2nd, wells CMW-4, SLR-1, and/or EMW-15D were inaccessible due to puddles of storm water submerging the wells. In addition to measuring the depths to groundwater in the wells, SLR personnel also measured the depth to the surface water of Slip 4 in a stilling well installed at the northeastern end of the pier (see Figure 2). The depths to groundwater and surface water measurements for each event were collected within a 1-hour time span, and coincided with published times for low or high tide conditions in the waterway. Measurements were collected no earlier than 30 minutes before each tidal extreme, and the well caps were opened at least 1 hour prior to measurement to allow for equilibration of water levels in the wells. Each depth to groundwater and surface water was measured to the nearest 0.01 foot by using an electronic water level meter. The depth to groundwater and surface water measurements were converted to elevations, relative to the NAVD 88 datum, based on the results of a well elevation survey conducted by Signature Survey & Mapping (Signature), as described in Section 4.10. The depth to groundwater and surface water measurements and the groundwater and surface water elevations are presented in Table 39.

With the exception of wells HC-4 and HC-19, groundwater samples were collected from each of the wells at the subject property during the monitoring events. The sampling of well HC-4 was not included in the scope of work, but it was mistakenly sampled during the high-high tide monitoring event. As described above, HC-19 could not be located.

During each monitoring event, each of the wells were purged with a peristaltic pump and dedicated polyethylene tubing, by using low-flow methods (0.3 liters per minute). Field parameters of pH, specific conductance, temperature, dissolved oxygen, and oxygen-reduction (redox) potential were measured during purging. The groundwater samples were collected following stabilization of the field parameters. The final field parameter measurements prior to collecting each groundwater sample are presented in Table 40. The peristaltic pump was used to collect the sample set at each well. The groundwater samples collected during the two low tide monitoring events were submitted to F&B for analysis of the following:

- Total and dissolved metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc) by EPA Method 200.8
- Total and dissolved mercury by EPA Method 1631E
- SVOCs by EPA Method 8270D
- PAHs by EPA Method 8270D SIM
- PCBs by EPA Method 8082A

- DRO and HO by Northwest Method NWTPH-Dx (after silica gel cleanup)
- GRO by Northwest Method NWTPH-Gx
- VOCs by EPA Method 8260C
- Total suspended solids (TSS) by Standard Method 2540D
- Total dissolved solids (TDS) by Standard Method 2540C
- Chloride by Standard Method SM4500

All of the groundwater samples collected for analysis of dissolved metals were field filtered by using a 0.45 micron in-line disposable filter. To evaluate potential matrix interferences (primarily due to brackish conditions), all of the groundwater samples collected during the second low tide monitoring event (in October 2013) were submitted to Applied Speciation and Consulting, LLC (Applied Speciation), in Bothell, Washington, for analysis of dissolved arsenic, copper, and selenium by EPA Method 1638 ICP-DRC-MS (ICP-DRC-MS). The samples were not analyzed by F&B for dissolved arsenic, copper, and selenium by EPA Method 200.8.

Ecology's RI/FS Work Plan stated that the five groundwater samples from the first low tide groundwater sampling event that contained the greatest total chromium concentrations will be re-analyzed for hexavalent chromium. However, due to the short laboratory holding time for hexavalent chromium in water samples (1 day), total chromium analytical results could not be attained prior to the expiration of holding times. Therefore, groundwater samples were not analyzed for hexavalent chromium.

The groundwater samples collected during the high tide monitoring event were submitted to F&B for analysis of the following:

- Total and dissolved antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc by EPA Method 200.8
- TSS by Standard Method 2540D
- TDS by Standard Method 2540C
- Chloride by Standard Method SM4500

To evaluate potential matrix interferences, the samples from wells CMW-4, EMW-10D, EMW-13S, and EMW-15D were submitted to Applied Speciation for analysis of dissolved arsenic, barium, copper, and selenium by ICP-DRC-MS.

4.4 Sample Storm Water Catch Basins

Between June 6 and June 11, 2013, SLR personnel collected solids samples from two of the catch basins within each of the six storm water conveyance lines on Parcel D. Solids samples were collected from catch basins DP1CB2, DP1CB3, DP2CB2, DP2CB5, DP3CB1, DP3CB3, DP4CB2, DP4CB4, DP5CB1, DP5CB4, DP6CB1, and DP6CB4.

The locations of the catch basins and the underground storm water conveyance lines are shown on Figure 3.

Due to the presence of filter inserts in the majority of the catch basins (preventing accumulation of solids within most of the catch basins), SLR personnel collected the samples from the solids that had accumulated in the filter inserts within the catch basins designated for sampling. Catch basins DP4CB4 and DP6CB6 did not contain filter inserts and the solids samples were collected from those basins. Prior to sampling, standing water was present in catch basins DP4CB4 and DP6CB6, and the water was slowly extracted by using a vacuum pump to minimize any disturbance of the solids. The extracted water was poured into an adjacent catch basin.

Each of the catch basin solids samples were collected after removing the lid of the basin and using a decontaminated stainless steel spoon to remove solids from either the filter insert or from the bottom of the basin at several locations (from each corner and the center of the basin). The sample was composited in a decontaminated stainless steel bowl, and an SLR geologist described the material in accordance with the Unified Soil Classification System. The solids ranged from sandy silt to sandy gravel with abundant organic debris (leaves, evergreen needles, wood chips) and trash (plastic wrappers, cigarettes). A petroleum hydrocarbon-like odor and sheen were observed on the water in catch basins DP4CB4 and DP6CB4.

The catch basin solids samples were submitted to F&B for analysis of the following:

- Metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc) by EPA Method 200.8
- Mercury by EPA Method 1631E
- SVOCs by EPA Method 8270D
- PAHs by EPA Method 8270D SIM
- PCBs by EPA Method 8082A
- DRO and HO by Northwest Method NWTPH-Dx (after silica gel cleanup)
- GRO by Northwest Method NWTPH-Gx
- VOCs by EPA Method 8260C
- Grain Size by ASTM D-422
- Total Organic Carbon (TOC) by EPA Method 9060

Additionally, the solids samples collected from catch basins DP4CB4 and DP6CB1 located near the former chimney and former refuse burner were submitted to SGS for analysis of dioxins and furans by EPA Method 8290.

Between July 29 and August 8, 2013, after the catch basin solids sampling, each active catch basin located on Parcel D was cleaned by Everson's Econo-Vac, Inc. (Econo-Vac) of Orting, Washington. During the cleaning activities performed by Econo-Vac, SLR

personnel inspected the catch basins for the potential presence of holes or cracks that could be a contaminant migration pathway between the storm water drainage system and the subsurface soil and groundwater. During the inspection, the lid and filter insert, if present, were removed, and SLR personnel used a flashlight to thoroughly inspect the conditions of each catch basin. There were no observed holes or deep cracks in each catch basin that could allow subsurface soil to enter a basin, and there were no holes or cracks at depths below the potential high water level in the basins that could allow storm water to seep into the subsurface.

During the inspection of the catch basins, Econo-Vac conducted video inspections of the storm water conveyance lines on Parcel D for the potential presence of cracks. Due to the presence of thick deposits of solids in several of the lines, Econo-Vac cleaned the lines prior to the final video inspections. After completion of the video inspections, copies of the video recordings were submitted to Ecology (SLR, 2013b). The results of the inspections showed that a pipe joint on D Line #1 was separated and offset by less than approximately two inches. The location of the offset pipe joint is shown on Figure 3. There were no other separated and offset pipe joints, and there were no observed holes or cracks in the lines.

To determine where any of the storm water drainage system components are below the groundwater table, Signature Survey and Mapping, PLLC (Signature) of Shoreline, Washington, surveyed the elevation of the base of each catch basin and the invert elevation of each drain pipe (at the catch basins) and each outfall, as described in Section 4.10. The storm water drainage system elevation data are provided in Table 41. The shallow groundwater elevations during seasonal high-high tide conditions on September 23, 2013 (see Table 39), were compared with the elevations of the storm water drainage system components. The elevation data showed that only the bottom of conveyance vault CV2 is below the groundwater table during high tide conditions. Most of the drainage system components are several feet above the groundwater table.

To further evaluate if groundwater could be entering the storm water drainage system, SLR personnel observed each of the storm water outfalls on July 23, 2013, when it was not raining and the water level in the waterway (including Slip 4) was just below the outfalls (during a falling tide). Water was observed trickling from outfall OF6 when there was no water discharging from the other outfalls. However, the high tide water level in Slip 4 on July 23rd was above the bottom of outfall OF6 and since the flapper valve on the outfall wasn't sealing correctly, it appeared that surface water flowed through outfall OF6 and into nearby conveyance vault CV2 (see Figure 3). After the water level in Slip 4 subsided to below OF6, the surface water that had collected in CV2 was trickling out through the poorly sealed flapper valve. Since the high groundwater table on July 23rd occurred at a depth below the effluent line from CV2, the water observed trickling out of OF6 could not have been groundwater.

4.5 Sample Storm Water

To assess the potential impacts to the Lower Duwamish Waterway from storm water discharge, storm water samples were collected from each of the six storm water outfalls (OF1 through OF6) at the subject property on June 26, 2013. The locations of the outfalls are shown on Figure 3. The samples were collected during a precipitation event with 0.56 inches of rainfall over a 24-hour period, and preceded by at least 24 hours of no greater than a trace of precipitation. To minimize any surface water influence on the samples, the samples were collected during low tide conditions in the Duwamish Waterway when the outfalls were above the surface water level. The storm water samples were grab samples collected directly from the outfalls.

The storm water samples were submitted to F&B for analysis of the following:

- Total metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc) by EPA Method 200.8
- Total mercury by EPA Method 1631E
- SVOCs by EPA Method 8270D
- PAHs by EPA Method 8270D SIM
- PCBs by EPA Method 8082A
- DRO and HO by Northwest Method NWTPH-Dx (after silica gel cleanup)
- GRO by Northwest Method NWTPH-Gx
- VOCs by EPA Method 8260C
- TSS by Standard Method 2540D
- Chloride by Method SM4500
- TOC by EPA Method 9060M

During the storm water sampling event, SLR personnel observed the storm water sheet flow at the subject property to further evaluate the potential for sheet flow discharges to the Duwamish Waterway (including Slip 4). Storm water flowed to catch basins and to large puddles scattered throughout the property that drained to nearby catch basins. SLR did not observe any direct flow of storm water on the property into the waterway (including Slip 4), except for very limited flow that occurred on the sloped concrete surfaces beneath the two loading ramps at the southern part of Parcel D. This limited flow was due to rain falling directly onto the edges of the concrete surfaces, which are the only areas not covered by the ramps. The property surface does not slope toward the ramps and there is a curb at the top of each ramp. During heavy rainfall events, some storm water may flow off the ends of the pier and the ramps into Slip 4. The pier and ramps are flat and do not slope back toward the interior of the property.

A second storm water sampling event was scheduled for October 2013. However, from October 2013 through January 2014, SLR was not able to conduct that sampling event because there was not a qualifying rainfall event (at least 0.1 inches in 24 hours that was

preceded by at least 24 hours of no greater than a trace of precipitation) when the weekday daytime tide conditions allowed for access to the outfalls. The second storm water sampling event will occur during February 2014 or during the second phase of the RI.

4.6 Observe Sheet Pile Seawall and Riprap Bank

On July 23 and 24, 2013, SLR personnel inspected the sheet pile seawall and boulder riprap that border Parcel D and the southeast corner of Parcel F to identify any groundwater seeps during seasonal low-low tide conditions, and to collect intertidal sediment samples. SLR personnel measured the depths to groundwater in eight monitoring wells (CMW-1 through CMW-6, CMW-4, EMW-3S, and EMW-13S) located adjacent to the seawall to determine the groundwater elevations behind the wall. During the inspection of the sheet pile seawall, SLR personnel discovered that the wall extends to the western property boundary. This section of the wall, which extends west-northwest of the pier, is not depicted on the plan drawing of the pier and wall. SLR and 8th Avenue Terminals have not been able to locate as-built drawings of the wall; therefore, the depth of the westernmost section of the wall is not known.

SLR personnel observed a total of 24 groundwater seeps in the sheet pile seawall and one groundwater seep at the bottom of the riprap. Holes and cracks were visible in the wall at most of the seep locations. Groundwater was flowing or dripping through the wall at 14 of the seep locations, and was slowly seeping along the wall at 10 locations. The groundwater seep at the bottom of the riprap was a steady flow of water; however, we could not sample it due to safety concerns. Since many of the seeps on the seawall were located in the same areas and there was limited flow from 10 of the seeps, SLR collected seep samples (designated Seep 1 through Seep 5) from 5 of the locations that had sufficient flow to allow for sampling. The locations of the seep samples are shown on Figure 3.

The groundwater seep samples were submitted to F&B for analysis of the following:

- Total metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc) by EPA Method 200.8
- Total mercury by EPA Method 1631E
- SVOCs by EPA Method 8270D
- PAHs by EPA Method 8270D SIM
- PCBs by EPA Method 8082A
- DRO and HO by Northwest Method NWTPH-Dx (after silica gel cleanup)
- GRO by Northwest Method NWTPH-Gx
- VOCs by EPA Method 8260C
- TSS by Standard Method 2540D

- Chloride by Method SM4500
- TOC by EPA Method 9060M

During the inspection of the riprap, SLR personnel observed that intertidal sediment was present at several locations within the riprap. In accordance with the RI/FS Work Plan (Ecology, 2012), the collection of intertidal sediment samples would be attempted at each end of the existing pier and in proximity to storm water drainage system outfalls OF2, OF3, OF4, and OF5. On July 23 and 24, 2013, SLR personnel collected five intertidal sediment samples (IS-1 through IS-5) at locations near each of the pier and near outfalls OF2, OF3, and OF4. There was no sediment on the riprap near outfall OF5. The intertidal sediment sample locations are shown on Figure 3.

The intertidal sediment samples were submitted to F&B for analysis of the following:

- Metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc) by EPA Method 200.8
- Mercury by EPA Method 1631E
- SVOCs by EPA Method 8270D
- PAHs by EPA Method 8270D SIM
- PCBs by EPA Method 8082A
- DRO and HO by Northwest Method NWTPH-Dx (after silica gel cleanup)
- GRO by Northwest Method NWTPH-Gx
- VOCs by EPA Method 8260C
- Grain Size by ASTM D-422
- Total Organic Carbon (TOC) by EPA Method 9060

During the inspection of the riprap, SLR personnel looked for exposed soil within the boulders. We did not observe any soil, and based on the presence of the sheet pile seawall behind the riprap on the property and the presence of asphalt on the upland surface near the seawall, it would not be possible for soil from the upland area to erode into the riprap. Based on the inspections conducted by SLR in 2013 and in 2008 (SLR, 2008), there is no exposed soil along the upland edges of the 8th Avenue Terminals property that can erode into the Duwamish Waterway or Slip 4.

4.7 Conduct Geophysical Surveys

Geophysical surveys were conducted at the subject property on August 21, 2013, in accordance with the scope of work presented in the Work Plan for Geophysical Surveys (SLR, 2013a). The objectives of the surveys were to determine if the former fuel oil UST at the northwestern part of Parcel F was still present, and to identify the locations of any remaining buried pipes and catch basins associated with historical storm water drainage system on Parcel F, including any pipes connected to the inactive or former wash water

sumps. The geophysical surveys were conducted at eight locations; at the former fuel oil UST, the two inactive sumps, the abandoned sump, the three potentially buried catch basins that were shown on a 1946 drawing or a 1990 drawing in Crowley's files, and at the two buried partial catch basins that were discovered in 2010 (described in Section 2.2.3). The locations of the geophysical survey transects are shown on Figure 16.

Applied Professional Services, Inc. (APS) of North Bend, Washington, conducted the geophysical surveys under the direction of SLR personnel. At each of the survey areas, both electromagnetic (EM) and ground-penetrating radar (GPR) surveys were conducted along several east-west and north-south transects that were 20 to 60 feet long and 5 feet apart from each other (see Figure 16). The results of the surveys showed that the former UST and the former drainage system catch basins and lines are no longer present. There was an anomaly observed at the location of the former UST, but it appeared to only be a buried piece of metal that is approximately 3 feet by 3 feet in size. The survey also showed that there are no underground pipes connected to the inactive or former wash water sumps. During one of the surveys, a buried groundwater monitoring well (MW-3) was discovered in poor condition and was subsequently abandoned (described in Section 4.2).

4.8 Observe Property Tenant Operations and Interview Personnel

On May 31 and October 31, 2013, SLR personnel conducted visits to the subject property to observe the tenants' (Organic Fuel Processors, First Student, and KRS Marine) operations and to interview their personnel. The objectives of the work were: 1) to evaluate the potential for direct discharges into the Duwamish Waterway (including Slip 4), 2) to evaluate the barge operations and other activities at the property regarding the potential to impact the waterway, 3) to find out if any spills, dumping, or leaks have occurred, 4) to evaluate housekeeping and hazardous substance management practices, and 5) to find out if the tenants were complying with their Industrial Stormwater General Permit requirements. As detailed in SLR's letter to Ecology dated November 4, 2013 (SLR, 2013c), the potential for direct discharges into the Duwamish Waterway and the potential for the barge operations and other property operations to impact the waterway are low. Based on interviews and the observed lack of evidence of spills or releases, it appears that no significant spills or leaks have recently occurred.

The hazardous substance management and housekeeping practices at the property appear to be acceptable; however, First Student should more frequently maintain or replace their storm water catch basin filters and pumice-filled wattles. Despite the implementation of a number of best management practices, Organic Fuel Processors is having difficulty meeting their storm water discharge limits for turbidity, copper, and zinc. To address this issue, Ecology is requiring Organic Fuel Processors to install and operate a storm water

treatment system at the property. Except for one zinc exceedance in the fourth quarter of 2012, First Student has been in compliance with their storm water discharge limits. However, First Student discharges to four outfalls that are monitored by Organic Fuel Processors and since they do not appear to be maintaining their catch basin filters adequately, First Student's operations could be contributing to Organic Fuel Processors' discharge limit exceedances.

4.9 Waste Disposal

The soil generated by the drilling activities, and the wastewater generated by the cleaning of the drilling and sampling equipment and the development and purging of the wells were temporarily stored at the 8th Avenue Terminals property in properly labeled 55-gallon drums. The water and solids generated by the cleaning of the Parcel D catch basins and storm drain lines were temporarily stored in 10-cubic yard and 20-cubic yard roll-off containers, respectively. After characterizing the waste materials in accordance with the requirements of the disposal facilities, the soil, solids, and water were hauled off site for disposal at licensed facilities.

Approximately 8.5 tons of non-hazardous soil (including solids from the drainage lines) were transported to the Chemical Waste Management of the Northwest facility in Arlington, Oregon for disposal. Approximately 300 gallons of non-regulated wastewater were transported to Marine Vacuum's (MarVac) facility in Seattle, Washington for disposal. Approximately 5.3 cubic yards of catch basin solids were also transported to the MarVac facility for disposal. Approximately 14,500 gallons of wastewater from the cleaning of the storm water drainage system were transported to King County's wastewater treatment facility in Renton, Washington, for disposal.

4.10 Surveying

Signature Surveying & Mapping (Signature) surveyed the horizontal positions and vertical elevations of the RI soil borings and groundwater monitoring wells (ground surface and top of well casing), the Slip 4 stilling well, and the existing pre-RI monitoring wells. Signature also surveyed the horizontal positions of the storm water drainage system catch basins, the vertical elevations of the rim and bottom of each basin, and the vertical elevations of the invert of each drain pipe (in the catch basins) and of each outfall. Signature surveyed the horizontal positions of the groundwater seep samples and intertidal sediment samples, and the horizontal positions of the property buildings and pier. The horizontal positions were surveyed to the nearest 0.1-foot relative to Washington State Plane Coordinate System, North Zone. The vertical elevations were surveyed to the nearest 0.01-foot, relative to the NAVD 88 datum.

The elevation of the top of each monitoring well casing and stilling well pipe is presented in Table 39, and the ground surface elevations of the RI soil borings and monitoring wells are presented on the soil boring logs (see Appendix E). The elevations of the storm water drainage system components and the outfalls are presented in Table 41. The horizontal positions of the soil borings, monitoring wells, groundwater seep samples, and intertidal sediment samples are presented in Table 42, and the horizontal positions of the storm water drainage system catch basins, conveyance vaults, and outfalls are presented in Table 43. Based on the surveyed horizontal positions, the locations of the property buildings and pier, as well as the borings, monitoring wells, seep samples, and intertidal sediment samples, are shown on Figures 2 and 3.

5 SITE GEOLOGY AND HYDROGEOLOGY

5.1 Site Geology

The surficial geology beneath the upland portion of the 8th Avenue Terminals property generally consists of 5 to 17 feet of sand or silt fill. The thickness of the fill is greatest adjacent to the sheet pile seawall. The fill contains concrete, brick, wood, and other debris in the southern and eastern parts of the property, near the seawall. The fill is underlain by a sand unit to a depth of at least 50 feet bgs. Cross sectional views of the geology beneath the property (Sections A-A' and B-B') are shown on Figures 18 and 19. The locations of the cross sections are shown on Figure 17.

5.2 Site Hydrogeology

The upland portion of the 8th Avenue Terminals property is mostly paved, and storm water on the property is directed into Slip 4 and the Duwamish Waterway through catch basins, underground piping, and outfalls. As a result, the local groundwater flow system beneath the property does not receive significant recharge from precipitation. The shallow groundwater beneath the property is unconfined and occurs in the fill soils and the underlying sand unit to a depth of at least 50 feet bgs (the maximum depth of investigation).

A sheet pile seawall and associated pier were constructed along the eastern and southern perimeter of Parcel D in the early 1980s. The location of the seawall is shown on Figure 2. The plan drawings do not show the sheet pile seawall extending from the western end of the pier to the western property line; however, sheet pile that is similar to the seawall is visible above the riprap to the west of the pier. The sheet pile seawall consists of interlocking sheets of steel plate. The design elevation of the bottom of the seawall was approximately -29 feet, which is approximately 45 feet below the ground surface along the pier (see Figure 18).

The construction of the seawall apparently included excavating the area where the concrete bulkhead for the pier would be built. After the sheet pile seawall was installed, clean sand and gravel fill were placed along the base of the seawall (on the water side) and covered with riprap that was supported by a toe trench. The excavated area on the inland side of the sheet pile seawall was backfilled; however, the backfill type was not

specified on the design drawings. An unnamed Crowley drawing shows that sand and dredge fill was used to backfill two parts of the excavated area on the inland side of the seawall (see Figure 2).

5.2.1 2008 Tidal Study

In July 2008, SLR conducted a tidal study and evaluated the data to assess the interactions between the Duwamish Waterway (including Slip 4) and the shallow groundwater beneath the property. Groundwater elevations were monitored at wells CMW-4, CMW-5, CMW-6, CMW-7, DMW-3, and DMW-6, and in a Slip 4 stilling well through at least one full tidal cycle. Depths to water varied from approximately 7 to more than 16 feet below grade (SLR, 2008). At the highest high tide on July 17, 2008, the water elevation in Slip 4 (in a stilling well) was 9.29 feet above the NAVD 88 datum, and the groundwater elevations in the monitoring wells ranged from 4.99 to 6.33 feet above the NAVD 88 datum. At the lowest low tide on July 18, 2008, the water elevation in Slip 4 was 4.01 feet below the NAVD 88 datum, and the groundwater elevations in the monitoring wells ranged from 0.79 to 3.66 feet above the NAVD 88 datum.

Groundwater and surface water elevations measured during the 2008 tidal study demonstrated that the seawall was acting as a barrier to flow between the shallow groundwater and the water in Slip 4 (SLR, 2008). During high tide conditions, the monitoring well (CMW-7) with the greatest tidal response and shortest response time (time lag) was located approximately 80 feet east of the southwestern end of the seawall (see Figure 2). In the monitored wells located further toward the middle of the seawall (CMW-6, CMW-5, and CMW-4), the tidal response lessened and time lag increased with distance away from the southwestern end of the seawall. During low tide conditions, the greatest tidal response was also at CMW-7, and the response lessened with distance away from the southwestern end of the seawall. However, the time lag was greatest at CMW-7.

5.2.2 Results of 2013 Groundwater Monitoring

During the first phase of the RI, groundwater monitoring data were collected from the shallow and deep groundwater monitoring wells on July 10, 2013 (during seasonal low-low tide conditions in the Lower Duwamish Waterway), September 23, 2013 (during seasonal high-high tide conditions), and October 2, 2013 (during seasonal low tide conditions). The deep groundwater wells are screened within the unconfined aquifer at depths of approximately 40 to 50 feet bgs. During each groundwater monitoring event, the depth of the surface water in Slip 4 was measured at the stilling well that was installed at the northeastern end of the pier (see Figure 20). The groundwater and surface water monitoring data from the 2013 events are presented in Table 39, and groundwater elevation contour maps for both the shallow and deeper groundwater during each monitoring event are presented as Figures 20 through 25.

5.2.2.1 Shallow Groundwater Conditions

The shallow groundwater flow beneath the property during the high-high tide conditions on September 23, 2013, is illustrated on Figure 22. The groundwater elevation data indicate that the sheet pile seawall acts as a barrier to surface water during rising tides, which is consistent with the 2008 high tide data (SLR, 2008). Shallow flow during rising tides appears to primarily consist of surface water flowing inland around the ends of the seawall (through riprap areas) and recharging the groundwater beneath the property.

The shallow groundwater flow during low-low tide conditions on July 10, 2013, and during low tide conditions on October 2, 2013, are illustrated on Figures 20 and 24, respectively. The July and October 2013 groundwater elevation data indicated that the sheet pile seawall also acts as a barrier to groundwater during falling tides, which is consistent with the 2008 low tide data (SLR, 2008). Shallow flow during falling tides appears to primarily consist of groundwater flowing towards Slip 4 and the Duwamish Waterway around the ends of the seawall (through riprap areas).

Figure 18 shows the inferred hydrogeologic conditions at cross section A-A' during high-high tide conditions and low-low tide conditions (the location of cross section A-A' is shown on Figure 17). This cross section depicts how the seawall acts as an effective barrier to flow during both high and low tide conditions, as water levels across the seawall are offset by several feet.

5.2.2.2 Deeper Groundwater Conditions

The deeper groundwater flow within the unconfined aquifer beneath the property during high-high tide conditions on September 23, 2013, is illustrated on Figure 23. The deeper groundwater flow beneath the property during low-low tide conditions on July 10, 2013, and during low tide conditions on October 2, 2013, are illustrated on Figures 21 and 25, respectively.

Groundwater flow within a deeper part of the aquifer, at depths of approximately 40 to 50 feet bgs, exhibits a tidal influence with flows toward Slip 4 and the Duwamish Waterway during low tide conditions, and flows inland during high tide conditions.

5.2.2.3 Gradients

Horizontal hydraulic gradients were not calculated for the 2013 groundwater monitoring events because the data could not be corrected for tidal response lag times. However, the shallow groundwater data collected from wells located in the southern part of the property over a tidal cycle in 2008 indicated that the horizontal hydraulic gradient beneath the southern part of the property was approximately 0.004 to 0.009 feet/foot, and steepened to approximately 0.10 feet/foot in the area between well CMW-7 and the Duwamish

Waterway (SLR, 2008). The net horizontal hydraulic gradient between CMW-7 and the Duwamish Waterway over a full tidal cycle averaged approximately 0.004 feet/foot, from Parcel D towards the waterway.

Vertical gradients at four nested shallow and deep well pairs (CMW-4/EMW-15D, CMW-6/EMW-14D, CMW-7/EMW-16D, and DMW-3/EMW-10D) were calculated for the low-low tide event on July 10, 2013, and for the high-high tide event on September 23, 2013. The results indicated that there was a net downwards gradient adjacent to the sheet pile seawall (ranging from -0.024 to -0.0004 feet/foot) during low tide conditions, and a net upwards gradient adjacent to the seawall (ranging from 0.0046 to 0.010 feet/foot) during high tide conditions. The shallow wells exhibited a dampened tidal response relative to the deeper wells, which further supports the conclusion of the 2008 tidal study (SLR, 2008) that the sheet pile seawall acts as a barrier to surface water flow. The inland vertical gradient, as measured at well pair DMW-3/EMW-10D, was less pronounced but indicated upwards flow during both high and low tides (ranging from 0.0042 to 0.0057 feet/foot).

6 CONCEPTUAL SITE MODEL

This section of the work plan synthesizes the data collected during the previous investigations and the first phase of the RI (presented in Section 7) into a conceptual model of COPC occurrence, movement, and potential exposures.

6.1 Source Characterization

Since the early 1980s, the 8th Avenue Terminals property has only been used for cargo storage and distribution, for grinding and storage of wood, and for school bus parking. Since the early 1980s, we are unaware of any releases of hazardous substances at the property, and there are currently limited potential sources of hazardous substance releases at the property. Based on the historical industrial operations, six potential contaminant source areas were identified at the property (as described in Section 3). For each potential source area, any contaminant that was present in the soil or groundwater at a concentration that exceeded the lowest potentially applicable cleanup level (proposed preliminary cleanup levels presented in Section 7.1) was identified as a COPC for soil or groundwater. The COPCs for soil are PAHs, PCBs, DRO, HO, GRO, 1,1-dichloroethene, 2-methylnaphthalene, dibenzofuran, di-n-octyl-phthalate, 2-methylphenol, dioxins, furans, antimony, arsenic, barium, cadmium, chromium, copper, lead, nickel, and zinc. The COPCs for groundwater are benzo(a)anthracene, chrysene, arsenic, barium, cadmium, copper, lead, nickel, selenium, and zinc.

6.2 Fate and Transport of Contaminants

Figure 26 is a graphical representation of the fate and transport of the COPCs at the 8th Avenue Terminals property. After any releases at the upland area of the property, the contaminants would initially have been located in surface soils (surface spills or impacted ash accumulation) or subsurface soils (UST releases, placement of impacted dredge fill, or burial of impacted ash or partially burned debris). Metals, PCBs, PAHs, semi-volatile petroleum hydrocarbons, phthalates, dioxins, and furans in soil exist primarily in two phases: adsorbed to soil particles and dissolved in soil pore water. Where present, volatile petroleum hydrocarbons and VOCs also exist in the vapor phase.

As rain falls on the ground surface and infiltrates the subsurface, contaminants in surface soils and subsurface soils can dissolve in the rainwater and percolate through the

subsurface soils. Some of the contaminant mass remains in the subsurface soils, in the phases listed previously, and some of the contaminant mass eventually reaches the groundwater. After the early 1980s, pavement has minimized rainwater infiltration across most of the property, limiting the leaching of contaminants from soil to groundwater. The northern portion of Parcel F is not paved, and rainwater infiltration is likely to be greater in that portion of the property. Groundwater levels are tidally influenced, and contaminants may move between subsurface soils and groundwater as the water levels rise and fall.

As discussed in Section 4.6, the riprap located along the southwestern bank of the upland property area was inspected in July 2013 to determine if exposed soil was present that could potentially erode during major rainfall events, or by contact with surface water during certain tidal events, and migrate to surface water of the Lower Duwamish Waterway (including Slip 4). During the inspection of the riprap, SLR personnel observed that the sheet pile seawall extended to the western property line, and the wall would prevent soil from eroding into the riprap. No exposed soil was observed between the riprap boulders, and transport of soil in the river bank to surface water and sediment in the Duwamish Waterway and Slip 4 is not considered a complete exposure pathway.

As described in Section 4.5, storm water sheet flow from Parcels D and F into Slip 4 is limited to the sloped concrete surfaces beneath the two loading ramps on Parcel D. Therefore, contaminants in surface soil are not transported directly to surface water through storm water sheet flow. Storm water on the upland portion of the property is directed into catch basins that discharge to Slip 4 and the Duwamish Waterway. Based on the storm water conveyance system at the property, contaminants on paved surfaces (such as from surface spills) or on unpaved surfaces (such as contaminants in surface soil) may be picked up and transported by storm water to surface water and to sediment in Slip 4 and the Duwamish Waterway. As described in Section 4.4, the storm water drainage system on Parcel D was thoroughly inspected in August 2013. The results of the inspection showed that a pipe joint was separated and offset at one location on D Line #1, and storm water could drain into the subsurface soil and groundwater at that location. Except at the one separated pipe joint, which will be repaired, no leaks were identified in the catch basins or drain lines, and it is unlikely that contaminants in the drainage system can be released to subsurface soil and groundwater.

The COPCs below the groundwater table exist primarily in two phases: a dissolved phase or sorbed to the soil particles in the water-bearing zone. Groundwater beneath the property is hydraulically connected to the Duwamish Waterway (including Slip 4). A sheet pile seawall acts as a barrier to direct flow between shallow groundwater beneath most of Parcel D and surface water in Slip 4, but direct and re-directed flow occurs through the riprap near the ends of the seawall. In addition, the deeper groundwater within the unconfined aquifer, at depths below 45 feet, likely flows under the sheet pile seawall. Therefore, depending on their location beneath the property, contaminants in

groundwater could discharge to surface water and sediment in the Duwamish Waterway and Slip 4. Under such conditions, migration to sediment could theoretically occur either directly through groundwater flow to sediment, or indirectly through sediment-surface water interactions following groundwater discharge to surface water.

Volatile contaminants in surface and subsurface soil are present in the vapor phase. After volatilization, these contaminants can be transported to the surface to outdoor air and to indoor air. However, the resulting outdoor air concentrations are expected to be minimal due to instantaneous dispersion and mixing that occurs at the soil-air interface. Vapors may enter indoor air if volatile contaminants are present in the subsurface beneath or near a slab-on-grade building. At the 8th Avenue Terminals property, the identified volatile COPCs for soil (GRO and 1,1-dichloroethene) were only present at a few localized areas, and no enclosed, slab-on-grade buildings are located at the property. Contaminant transport to indoor air is therefore not currently expected to be a potentially complete transport pathway at the property; however, it is our understanding that the property, if sold to the current potential buyer, may be redeveloped as a dredged sediment loading/transport facility. Future slab-on-grade buildings may be constructed near areas where volatile contaminants are present in the subsurface.

Non-volatile COPCs present in surface soil may be transported to ambient air in the form of suspended particulates (i.e., dust). However, due to the limited use of the unpaved portion of the property (parking of bus drivers' cars at the north-central part of Parcel F and limited industrial use at the eastern end of Parcel F) and the typically wet climate of the property area, dust generation is expected to be minimal.

Based on a terrestrial ecological evaluation (TEE) conducted by SLR in 2013 for the 8th Avenue Terminals site, the site qualifies for an exclusion from further evaluation because there is less than 0.25 acres of contiguous undeveloped land on or within 500 feet of any area of the site. The completed TEE Form is presented in Appendix F. Since terrestrial plants and other biota have a minimal presence at the property, terrestrial ecological receptors are not expected to have significant exposure to soil or groundwater at the property, and risks are considered acceptable under the TEE. Also, humans are unlikely to hunt and consume terrestrial biota, and tissue consumption of terrestrial biota does not represent a relevant exposure medium for humans.

Aquatic plants can take up contaminants from the sediments and surface water through their roots and leaves. Aquatic biota can also accumulate chemicals in surface water and sediment through ingestion, dermal contact, and respiration. Aquatic biota can therefore potentially act as additional contaminated media.

The following environmental media have, or may have, become contaminated and could be acting as sources of exposure for humans, terrestrial biota, or aquatic biota:

- Surface soil

- Subsurface soil
- Ambient air
- Groundwater
- Surface water
- Sediment

6.3 Potential Receptors

6.3.1 Human Receptors

Most of Parcel F and the northwestern and north-central parts of Parcel D are used to stage and park school buses, and for First Student's administrative offices. School bus drivers are present on this portion of the property for a few hours a day, before and after driving their bus routes, and are primarily in the offices when on the property.

The central portion of Parcel D is used to receive, grind, and store wood that can be used to make compost or produce alternative fuel. The southeastern portion of Parcel F and the eastern portion of Parcel D are also used to infrequently receive wood. The southern and southeastern portions of Parcel D are used to load/unload cargo from barges. At these parts of the property, industrial workers, who are expected to work typical eight-hour workdays, are present on the property, and are primarily outdoor workers. These workers may spend a portion of their time in the office trailers and the equipment maintenance shop. Property visitors, such as truck drivers, may also be present occasionally for short periods of time.

Trespassers are unlikely to enter the property due to the presence of a fence and locking gates that prevent access along the north and west sides, and the presence of Slip 4 and the Duwamish Waterway along the east and south sides. Fishermen in boats are occasionally present in Slip 4.

The property is currently for sale. It is our understanding that the current potential buyer may redevelop the property as a dredged sediment loading/transportation facility. Even if the current potential property sale is not completed, because the property is zoned as industrial and is located in an industrial-zoned area, future property uses are expected to be industrial in nature. Therefore, potential future receptors include industrial workers, who could spend most of their time either outdoors or indoors if new buildings are constructed. Construction workers may also be present on the property in the future. Fishermen accessing Slip 4 from the water will likely continue to be present in the future.

6.3.2 Ecological Receptors

With the exception of the northern part of Parcel F, the entire property is capped with asphalt or concrete. The unpaved portion of Parcel F is covered with gravel and has

limited vegetation (e.g., trees, shrubs). The bus operations and the industrial activities at the subject property, and the industrial operations at surrounding properties, present a constant human disturbance. At present, the subject property offers limited, disturbed terrestrial habitat. Based on the results of the TEE for the property (see Section 6.2), terrestrial ecological receptors are not included in this conceptual site model.

The eastern and southeastern parts of the property are located adjacent to Slip 4 of the Lower Duwamish Waterway, and the southern part of the property is adjacent to the main channel of the Lower Duwamish Waterway. The Lower Duwamish Waterway is tidally influenced, with water levels in Slip 4 varying more than 13 feet in response to Puget Sound tides. In 2011, Boeing conducted a salinity study of Slip 4, and the salinity measurements during three sampling events indicated that the water in Slip 4 is brackish (AMEC Geomatrix, 2011). Aquatic species are present in the Lower Duwamish Waterway, including benthic invertebrates, shellfish, and resident and migratory fish (Striplin Environmental Associates, 2004).

6.4 Potential Exposures

6.4.1 Exposures to Human Receptors

6.4.1.1 Currently Known Exposures

The human receptors currently present at the property include industrial workers that are assumed to be on the property five days a week for standard eight-hour workdays, and school bus drivers that are assumed to be on the property five days a week for a few hours per day. Property visitors are also on the property for short periods of time and on an irregular basis. Fishermen in boats are occasionally present in Slip 4.

The property is almost entirely covered with asphalt or concrete, and the portion that is not paved is used for parking of the school bus drivers' cars or for limited industrial activities (the eastern end of Parcel F). Therefore, human receptors currently present on the property may be exposed to soils through dermal contact or incidental ingestion, although the exposure would likely be minimal. Exposure through inhalation of windblown dust, although limited, is also potentially relevant for this property since vehicle activity on the unpaved portion of the property may disturb exposed soils and create dust. However, construction activities and heavy vehicle activity are not presently occurring within the unpaved portion of the property and dust generation under current conditions is expected to be minimal. Direct soil contact and inhalation of particulates therefore represent potentially complete exposure pathways for current human receptors at the property, although exposures are not expected to be significant.

Volatile COPCs were identified in the soil at the property; however, since there are no enclosed slab-on-grade buildings at the property, any volatile contaminant vapors will not

likely enter any buildings. Vapor intrusion from soil to indoor air is considered an incomplete exposure pathway for current industrial workers. Outdoor air concentrations are expected to be minimal due to instantaneous dispersion and mixing that occurs at the soil-air interface. Inhalation of vapors in outdoor air is considered a potentially complete, but insignificant pathway for current industrial workers.

Contaminants in groundwater and in storm water can migrate to surface water and sediment in the adjacent Slip 4 and Duwamish Waterway. Contaminants may then be taken up by aquatic and sediment-dwelling organisms such as fish and shellfish, which may be consumed by people fishing or harvesting shellfish in the area. Fishermen in boats have been observed in Slip 4 and fish consumption is therefore currently considered to be a potentially complete exposure pathway for off-site receptors. Shellfish harvesting has not been observed, and is unlikely to occur in Slip 4 since the land surrounding the slip consists of private property, preventing public access from the shore and any boat moorage. Dermal contact with sediments by net fishermen in Slip 4 and the Lower Duwamish Waterway is also a potentially complete exposure pathway.

Due to the industrial nature of the area and the industrial use of the waterway, swimming is not expected to occur in the vicinity of the property. Therefore, consumption of surface water is considered an incomplete pathway for off-site receptors. However, dermal contact with surface water by net fishermen in Slip 4 and the Lower Duwamish Waterway is considered a potentially complete pathway for off-site receptors.

Based on salinity measurements in July 2008 (SLR, 2008) and chloride concentrations (converted to salinity) in groundwater samples collected during the first phase of the RI (see Table 44), the shallow groundwater within 50 feet of the Lower Duwamish Waterway or Slip 4 is brackish in nature (salinity concentrations of 1.5 to 20 parts per thousand). The deeper groundwater within the uppermost water-bearing zone (at approximately 40 to 50 feet) is also brackish (salinity concentrations of 3.5 to 4.9 parts per thousand) within at least 450 feet of the Lower Duwamish Waterway or Slip 4. The brackish conditions in the uppermost water-bearing zone throughout most, if not all, of the property make the groundwater unsuitable for human consumption. No drinking water wells are present on the property, and drinking water is supplied by the City of Seattle. Based on existing data, consumption of groundwater is therefore an incomplete pathway for human receptors at the property.

6.4.1.2 Potential Future Exposures

The property is currently for sale. It is our understanding that the current potential buyer may redevelop the property as a dredged sediment loading/transportation facility. Even if the current potential property sale is not completed, because the property is zoned as industrial and is located in an industrial-zoned area, future property uses are expected to be industrial in nature. The property is in an industrial-zoned area, and this is not expected to change in the foreseeable future. Any future activities at the property can

therefore be assumed to be industrial in nature. Potential future receptors are likely to include industrial workers with similar exposures as current workers. Construction workers could also be present if development becomes necessary for future uses. Fishermen accessing Slip 4 from the water will likely continue to be intermittently present in the future. If slab-on-grade buildings are constructed in the future over locations where VOCs are present at elevated concentrations in soil, vapor intrusion into future buildings may be a complete exposure pathway.

Future construction workers could be exposed to contaminants in surface and subsurface soil, and in shallow groundwater through dermal contact or incidental ingestion during excavation activities. In the case of significant redevelopment and/or removal of pavement, inhalation of windblown dust may also occur. These exposure pathways are therefore considered potentially complete for the future construction worker receptor.

Since subsurface soils could become exposed if construction activities occur on the property in the future, direct subsurface soil contact pathways (including ingestion and dermal contact) and inhalation of windblown particulates in ambient air generated from subsurface soil are also potentially complete for future industrial worker and property visitor receptors. Future exposure pathways for the off-site fisherman receptor are the same as the current exposure pathways.

6.4.2 Exposures to Ecological Receptors

6.4.2.1 Currently Known Exposures

There is currently limited habitat to encourage visits by terrestrial wildlife. Due to the limited terrestrial habitat and ongoing human disturbance at the property, terrestrial receptors are not expected to spend significant amounts of time, or conduct nesting or breeding activities on the property. Based on these factors, as well as the TEE conducted by SLR, which resulted in the property being qualified for exclusion from further evaluation, terrestrial ecological receptors and pathways were not included in this conceptual site model.

Aquatic receptors in Slip 4 and the Duwamish Waterway could be exposed to contaminants through ingestion of and direct contact with surface water and sediment, through respiration, and through ingestion of plants and prey that may have accumulated contaminants from the environment. These exposure pathways are therefore considered potentially complete for aquatic receptors.

6.4.2.2 Potential Future Exposures

Future exposure pathways for aquatic ecological receptors are the same as the current exposure pathways. Current and future potential human health and ecological receptors, and exposure pathways are illustrated on Figure 27.

7 NATURE AND EXTENT OF CONTAMINATION

This section describes the development of proposed preliminary cleanup levels for soil and groundwater, and presents the results of a comparison of the data from the previous investigations and the first phase of the RI to the preliminary cleanup levels. At this time, preliminary cleanup levels have not been identified for sediment, and the sample analytical results for the intertidal sediment samples were compared to the preliminary screening levels described in Section 3. The catch basin solids sample analytical results and the storm water sample analytical results were also compared to the preliminary screening levels described in Section 3.

7.1 Proposed Preliminary Cleanup Levels

The basis for the preliminary cleanup levels is protection of the highest beneficial use of each site media, including protection of human health and the environment, and ensuring that all federal, state, and local regulations are met. The development of preliminary cleanup levels was conducted in accordance with MTCA requirements for site cleanups and in parallel with the source control program elements for the Lower Duwamish Waterway to prevent recontamination of sediments.

After completing the first phase of the RI, proposed preliminary cleanup levels were identified for soil and groundwater. The preliminary screening levels were retained for the intertidal sediment; however, after the EPA has issued its Record of Decision, the sediment data should be compared to the EPA's contaminant-specific cleanup levels for the Lower Duwamish Waterway Superfund Site. The catch basins solids and storm water data were compared to the preliminary screening levels to evaluate potential contaminant migration pathways to the Lower Duwamish Waterway. Since storm water and catch basin solids are not considered environmental media, cleanup levels will not be established.

As detailed in the conceptual site model (see Section 6), the basis for the preliminary soil and groundwater cleanup levels included the following.

- **Land Use and Area Zoning:** The property is zoned as industrial, located within an industrial-zoned area, and currently used for industrial purposes. It is likely that the property will remain industrial in nature for the foreseeable future. The

site's industrial land use was considered when establishing preliminary cleanup levels for the protectiveness of human and ecological populations at the site [WAC 173-340-708(3)].

- **Water Use Determination:** Preliminary groundwater cleanup levels are based on the highest beneficial use and the reasonable maximum exposure expected to occur under both current and potential future site use conditions. Because of its brackish nature, the groundwater beneath the property is not considered potable, consistent with WAC 173-340-720(2). Therefore, preliminary cleanup levels for groundwater are based on discharge to surface water and sediment.

- **Use of Empirical Data:** In accordance with WAC 173-340-747(3)(f) and WAC 173-340-747(9), groundwater and soil concentrations were used to evaluate the potential for soil contamination to cause an exceedance of future groundwater cleanup levels.

- **Fate and Transport Mechanisms:** Site-specific fate and transport information was collected during the RI to update the conceptual site model. This information affects the analysis of fate and transport properties for upland soils and groundwater, and include groundwater gradients, aquifer properties, and geochemical properties.

- **Points of Compliance:** A point of compliance is the location established in accordance with WAC 173-340-720(8) and 173-340-745(7) where cleanup levels will be attained. Points of compliance for a given media may differ by exposure pathway. This includes both standard and conditional points of compliance.

7.1.1 Preliminary Groundwater Cleanup Levels

Cleanup levels for groundwater were selected based on protection of surface water or sediment (marine and freshwater values for either ecological receptors or human health). The groundwater beneath the property is brackish as a result of its connectivity to the brackish surface water in the Lower Duwamish Waterway; therefore, the groundwater and surface water are non-potable. Values such as federal maximum contaminant levels (MCLs) and human health protective risk-based values that include ingestion of drinking water as an exposure pathway were therefore not included in the analysis of potentially applicable cleanup levels. Ecological values based on acute exposures were also not included; chronic values are more representative of potential exposure scenarios at the property and are also generally more conservative.

The potential ARARs from which the groundwater cleanup levels were selected included: surface water values for the protection of aquatic life (chronic values for marine and freshwater), surface water MTCA Method B human health values (based on general,

tribal child, and tribal adult fish consumption), surface water MTCA Method B values for environmental effects, organoleptic effects values, and groundwater to sediment protection values. If the lowest potential cleanup level was below the background concentration established by Ecology, the background concentration was selected as the cleanup level. If the selected cleanup level was below the PQL, then the PQL was selected as the cleanup level [WAC 173-340-700(6)(d)]. The preliminary groundwater cleanup levels are presented in Tables 9 through 16.

Since the groundwater cleanup levels are based on protection of surface water or sediment, shallow and deeper points of compliance were established near the Duwamish Waterway (including Slip 4). Because the shallow groundwater discharges to the waterway around each end of the sheet pile seawall and at the northern end of Slip 4 (north of the wall), the shallow wells (CMW-1, CMW-7, EMW-3S, EMW-12S) located within 100 feet of the each end of the wall and within 100 feet of the northern end of Slip 4 (north of the wall) were identified as groundwater compliance points. Since it appears that deeper groundwater flows under the seawall, the deep wells (EMW-4D, EMW-14D, EMW-15D, and EMW-16D) located within 100 feet of the seawall were identified as groundwater compliance points. The groundwater analytical data were compared to the preliminary cleanup levels at those compliance points.

7.1.2 Preliminary Soil Cleanup Levels

The preliminary soil cleanup levels were identified on a chemical-specific basis. For the chemicals detected above the preliminary groundwater cleanup levels at the groundwater point of compliance wells, soil cleanup levels were developed based on protection of surface water (through leaching to groundwater and then transport to surface water), as well as direct contact. For all other chemicals, soil cleanup levels were based only on direct contact.

Since the groundwater and surface water are non-potable, human health-protective, risk-based values for protection of groundwater as a drinking water resource were excluded from the analysis of applicable soil cleanup levels. Ecological values based on acute surface water exposures were also excluded; chronic values are more representative of potential exposure scenarios at the site and are also generally more conservative.

The potential ARARs from which the soil cleanup levels were selected included: surface water protection values for aquatic life (chronic values for marine and freshwater) and human health (based on consumption of aquatic organisms and including some values for protection of groundwater based on tribal consumption of aquatic organisms), surface water organoleptic effects-based values, and MTCA Method B soil direct contact values. If the lowest potential cleanup level was below the background concentration established by Ecology, the background concentration was selected as the cleanup level. If the

selected cleanup level was below the PQL, then the PQL was selected as the cleanup level.

For some chemicals detected in soil above the preliminary screening levels, MTCA Method B values are not available from CLARC. These include petroleum hydrocarbons (including GRO, DRO, and HO, as well as TPH), lead, and several other chemicals. For GRO, DRO, HO, TPH, and lead, Method A industrial soil cleanup levels were used. For the other chemicals where neither Method B nor Method A industrial values were available (acenaphthylene, total chromium, 1,4-dichlorobenzene, di-n-octyl-phthalate, and thallium), preliminary soil cleanup levels were either calculated using Method B equations (e.g., for 1,4-dichlorobenzene, di-n-octyl-phthalate, and thallium), or values for surrogate chemicals were used (e.g., for acenaphthylene and total chromium).

Toxicity values were not available from the sources listed in WAC 173-740-708(7) and WAC 173-740-708(8) for these chemicals. Therefore, the EPA's Regional Screening Level (RSL) tables were used to identify toxicity values for these chemicals. Sources of toxicity values as provided in the RSL tables for these chemicals include California EPA, PPRTV, and ATSDR toxicity values. Because toxicity values were not available in the RSL tables for total chromium or acenaphthylene, cleanup levels for surrogate chemicals were used for these two chemicals. For total chromium, the MTCA Method B value for chromium III was used. For acenaphthylene, the MTCA Method B value for acenaphthene was used. Where preliminary cleanup levels were calculated using MTCA Method B equations, the lower (i.e., more conservative) of the cancer and non-cancer based values were selected as the preliminary cleanup levels. The preliminary soil cleanup levels are presented in Tables 1 through 8.

7.2 Sample Analytical Results

The data collected during the 2013 RI activities, as well as during the previous investigation or remediation activities at the subject property (soil and catch basin solids data only), were compared to the applicable preliminary cleanup levels (soil and groundwater) or preliminary screening levels (catch basin solids, storm water, and intertidal sediments). The results of the data analysis are summarized below.

7.2.1 Groundwater Sample Analytical Results

Because the preliminary cleanup levels for groundwater were selected based on protection of surface water and sediment, the RI groundwater data were compared to the preliminary cleanup levels at the selected groundwater compliance wells (shallow wells CMW-1, CMW-7, EMW-3S, and EMW-12S, and deep wells EMW-4D, EMW-14D, EMW-15D, and EMW-16D). The low-tide groundwater samples were analyzed for PAHs, total and dissolved metals, PCBs, VOCs, SVOCs, and petroleum hydrocarbons, and the high-tide samples were analyzed for total and dissolved metals. The sample analytical results

showed that one or more samples from at least one of the groundwater compliance wells contained PAH [benzo(a)anthracene and chysene] and metals (arsenic, barium, cadmium, copper, lead, nickel, selenium, and zinc) concentrations that exceeded the preliminary cleanup levels. PCBs, VOCs, SVOCs (including phenols and phthalates), and petroleum hydrocarbons were not detected in any of the groundwater samples from the compliance wells at concentrations greater than the preliminary cleanup levels. The groundwater sample analytical results for the first phase of the RI, as well as the previous investigations, are presented in Tables 9 through 16. Copies of the laboratory reports for the groundwater samples from the first phase of the RI are presented in Appendix G.

For the purposes of evaluating the lateral and vertical extents of the PAH- and metals-impacted groundwater, the preliminary groundwater cleanup levels were applied to not just the data from the compliance wells, but also to the data from all of the wells at the property. The distribution of the groundwater COPCs [benzo(a)anthracene, chysene, arsenic, barium, cadmium, copper, lead, nickel, selenium, and zinc] at the property are presented below.

7.2.1.1 PAHs

Benzo(a)anthracene and chrysene were the only PAHs detected in at least one of the groundwater compliance wells at concentrations that exceeded the preliminary groundwater cleanup levels (0.0042 and 0.0038 µg/L, respectively) (see Table 11). The distributions of benzo(a)anthracene and chrysene in groundwater beneath the property are similar, with the primary sources located at the former pipe manufacturing area and more minor sources at the former wood treating area and/or possibly to the west of the property (see Figures 28 and 29). There is also a source of chrysene in groundwater at the former excelsior factory and press area.

In 2013, the benzo(a)anthracene concentrations greater than the preliminary cleanup level occurred in the shallow groundwater throughout most of Parcel D and at the southeastern corner of Parcel F (see Figure 28). Benzo(a)anthracene concentrations in one deep groundwater sample from EMW-4D and EMW-14D (near the seawall) also exceeded the preliminary cleanup level. The lateral extents of the benzo(a)anthracene-impacted groundwater were delineated in all directions, except to the west of shallow well H-20, which is located along the western property line. The vertical extents of the benzo(a)anthracene-impacted groundwater were not delineated at deep wells EMW-4D and EMW-14D.

In 2013, chrysene concentrations greater than the preliminary cleanup level occurred in the shallow groundwater throughout Parcel D, except for the western end of the property. Chrysene concentrations greater than the preliminary cleanup level also occurred at localized areas at the western end and middle part of Parcel F (see Figure 29). A deep groundwater sample from deep well EMW-14D contained a chrysene concentration that

exceeded the preliminary cleanup level. The lateral extents of the chrysene-impacted groundwater were delineated in all directions, except to the west of shallow well EMW-7S, which is located along the western property line. The vertical extent of the chrysene-impacted groundwater was not delineated at deep well EMW-14D.

A groundwater seep sample (Seep-4) contained benzo(a)anthracene and chrysene concentrations greater than the preliminary cleanup levels (see Table 11); however, it is our understanding that the sheet pile seawall will be repaired or replaced to eliminate the seeps.

7.2.1.2 Metals

Arsenic, barium, cadmium, copper, lead, nickel, selenium, and zinc were detected in at least one of the groundwater compliance wells at concentrations that exceeded the preliminary cleanup levels (see Tables 9 and 10). The September 2013 sample from compliance well EMW-3S contained a total mercury concentration (0.0072 µg/L) that exceeded the preliminary cleanup level (0.0052 µg/L); however, the sample did not contain a dissolved mercury concentration above the PQL (0.0015 µg/L). Because mercury was only detected in one sample from a compliance well at a concentration above the preliminary cleanup level and the dissolved mercury concentration in that sample was below the PQL, mercury was not identified as a groundwater COPC.

In 2013, the groundwater samples collected from the compliance wells during the two low tide events and the high tide event were analyzed for total and dissolved metals. While the metals concentrations in the wells fluctuated due to tidal influence, the analytical results showed that where COPC concentrations exceeded the preliminary cleanup levels, the concentrations were consistently above the cleanup levels (see Tables 9 and 10). The differences in the metals concentrations after analysis of the same samples by dissolved and total metals methods were typically limited.

7.2.1.2.1 Arsenic

The total and dissolved arsenic concentrations in at least one 2013 groundwater sample collected from every well at the property exceeded the preliminary cleanup level (0.87 µg/L). All of the groundwater seep samples also contained arsenic concentrations that exceeded the preliminary cleanup level. The highest concentrations of arsenic were located on Parcel D near the southern sand and dredge fill area, near the former pipe and chain manufacturing operation areas, and near the former treated pole storage area (see Figure 30). Based on the arsenic concentrations (up to 19.1 µg/L) at the monitoring well (EMW-1S) located at the northern (upgradient) end of the property, elevated arsenic concentrations from off-property sources are migrating onto the subject property.

During the high tide monitoring event (in September 2013), groundwater samples from wells CMW-4, EMW-10D, EMW-13S, and EMW-15D were submitted to Applied Speciation for analysis of dissolved arsenic, barium, copper, and selenium by ICP-DRC-

MS in an effort to evaluate these analyte concentrations after eliminating any matrix interference (primarily from brackish water conditions). During the second low tide monitoring event (in October 2013), all of the groundwater samples were submitted to Applied Speciation for analysis of dissolved arsenic, copper, and selenium by ICP-DRC-MS, and the samples were not analyzed by F&B for dissolved arsenic, copper, and selenium by EPA Method 200.8. When comparing the dissolved arsenic concentrations analyzed by EPA Method 200.8 and ICP-DRC-MS, the concentrations were typically lower when using ICP-DRC-MS, particularly at the groundwater compliance wells. After analysis by ICP-DRC-MS, the dissolved arsenic concentrations (up to 1.56 µg/L) only slightly exceeded the preliminary cleanup level at compliance wells CMW-1, EMW-3S, EMW-4D, EMW-14D, EMW-15D, and EMW-16D. The greater reductions in arsenic concentrations at wells located near the waterway and Slip 4 indicate that brackish water conditions are affecting the arsenic analyses by Method 200.8.

The lateral and vertical extents of the arsenic-impacted groundwater have not been delineated; however, there appear to be off-property sources of arsenic (background conditions) that would prevent the delineation of the arsenic-impacted groundwater.

7.2.1.2.2 Barium

The total and dissolved barium concentrations exceeded the preliminary cleanup level (122 µg/L) in at least one of the 2013 groundwater samples from four of the compliance wells (EMW-3S, EMW-4D, EMW-14D, and EMW-16D), as well as five additional shallow wells on the property (CMW-3, CMW-4, CMW-6, EMW-11S, and EMW-13S). With the exception of well EMW-11S, all the barium concentrations greater than the preliminary cleanup level were at wells located along the sheet pile wall. EMW-11S is located near the western property line and the barium at that location may be due to an off-property source. When comparing the results of dissolved barium concentrations analyzed by EPA Method 200.8 and ICP-DRC-MS, the concentrations were typically similar when using both methods. None of the groundwater seep samples contained barium concentrations greater than the preliminary cleanup levels.

Except to the west of well EMW-11S (west of the property), the lateral extents of the barium-impacted groundwater have been delineated. Due to presence of barium concentrations greater than the preliminary cleanup level at deep wells EMW-4D, EMW-14D, and EMW-16D, the vertical extents of the barium-impacted groundwater have not been delineated.

7.2.1.2.3 Cadmium

The cadmium concentrations in the 2013 groundwater samples were inconsistent. Only the samples from shallow well SLR-3 consistently contained total cadmium concentrations greater than the preliminary cleanup level (0.25 µg/L) (see Table 9). Total cadmium concentrations exceeded the preliminary cleanup level in the July 2013 samples from wells CMW-4, EMW-2S, EMW-3S, EMW-8S, EMW-9S, and EMW-10D, but not

during subsequent sampling events. At least one sample from wells CMW-1, CMW-4, CMW-6, EMW-4D, EMW-8S, and SLR-3 contained dissolved cadmium concentrations that exceeded the preliminary cleanup level (see Table 10). The cadmium concentrations greater than the preliminary cleanup level were located at the eastern part of Parcel F, the central part of Parcel D, and at localized areas behind the sheet pile seawall.

The lateral extents of the cadmium-impacted groundwater have been delineated, except to the north of well EMW-3S (and northeast of well EMW-2S). Due to presence of cadmium concentrations greater than the preliminary cleanup level at deep wells EMW-4D and EMW-10D, the vertical extents of the cadmium-impacted groundwater have not been delineated.

7.2.1.2.4 Copper

The total and dissolved copper concentrations in at least one of the 2013 groundwater samples from wells CMW-1, CMW-2, CMW-3, CMW-4, CMW-6, CMW-7, EMW-3S, EMW-4D, EMW-10D, EMW-11S, EMW-13S, EMW-14D, EMW-15D, EMW-16D, SLR-3, and SLR-6 exceeded the preliminary cleanup level (2.4 µg/L). Total copper concentrations in one sample from SLR-1 and SLR-2, as well as in all of the groundwater seep samples, also exceeded the preliminary cleanup level. However, when comparing the dissolved copper concentrations analyzed by EPA Method 200.8 and ICP-DRC-MS, the concentrations were typically much lower when using ICP-DRC-MS. After analysis by ICP-DRC-MS, only the samples from compliance well CMW-7 and from shallow wells CMW-4, CMW-6, EMW-11S, EMW-13S, and SLR-6 contained dissolved copper concentrations that exceeded the preliminary cleanup level. The ICP-DRC-MS results show that there are matrix interferences that are affecting the copper concentrations when analyzed by Method 2008.

Based on the ICP-DRC-MS results, the copper concentrations greater than the preliminary cleanup level are located in shallow groundwater located within 50 feet of the southern part of the sheet pile seawall, and at localized areas near the western property boundary (at EMW-11S) and at the eastern part of Parcel F (at SLR-6).

Except to the west of well EMW-11S (west of the property), the lateral extents of the copper-impacted groundwater have been delineated. The vertical extents of the copper-impacted groundwater have been defined.

7.2.1.2.5 Lead

The total lead concentrations in at least one of the 2013 groundwater samples from wells CMW-2, CMW-3, CMW-4, DMW-2, EMW-1S, EMW-3S, EMW-11S, EMW-13S, SLR-1, SLR-3, and SLR-6 exceeded the preliminary cleanup level (0.54 µg/L); however, the dissolved lead concentrations only exceeded the preliminary cleanup level in samples from wells CMW-1, CMW-6, and SLR-3. The dissolved lead concentrations greater than the preliminary cleanup level only occurred in localized areas near the northern sand and

dredge fill area, near the former sandblast area, and near the former excelsior factory and press area. Based on the dissolved lead concentrations, the lateral and vertical extents of the lead-impacted groundwater have been effectively delineated.

None of the groundwater seep samples contained lead concentrations that exceeded the preliminary cleanup level.

7.2.1.2.6 Nickel

The total and dissolved nickel concentrations in at least one of the 2013 groundwater samples from shallow wells CMW-1 and CMW-4, and from deep well EMW-16D exceeded the preliminary cleanup level (8.2 µg/L). Also, dissolved nickel concentrations in two of the samples from well EMW-3 exceeded the preliminary cleanup level. The shallow groundwater that contained nickel concentrations greater than the preliminary cleanup level was located near the sand and dredge fill areas and hydraulically downgradient of the former aluminum window manufacturing plant. Nickel concentrations greater than the preliminary cleanup level also occurred in the deeper groundwater near the former sandblast area. The areas of nickel-impacted groundwater are located within 50 feet of the Lower Duwamish Waterway or Slip 4, and the analyzed nickel concentrations by Method 200.8 may be affected by matrix interferences.

A groundwater seep sample (Seep-3) contained a nickel concentration that exceeded the preliminary cleanup level. The other seep samples contained nickel concentrations below the preliminary cleanup level.

7.2.1.2.7 Selenium

The total and dissolved selenium concentrations in at least one of the 2013 groundwater samples from shallow wells CMW-1, CMW-2, CMW-3, CMW-4, CMW-6, CMW-7, EMW-3S, EMW-13S, and SLR-3, and from all of the deep wells exceeded the preliminary cleanup level (5 µg/L). All of the groundwater seep samples also contained selenium concentrations greater than the preliminary cleanup level. However, when analyzing the samples for dissolved selenium by ICP-DRC-MS, all of the selenium concentrations were below the preliminary cleanup level. The ICP-DRC-MS results indicate that there are matrix interferences that are affecting the selenium concentrations when analyzed by Method 2008. Since the selenium concentrations at the groundwater compliance wells were below the preliminary cleanup level when using the ICP-DRC-MS method, selenium was eliminated as a groundwater COPC.

7.2.1.2.8 Zinc

The total zinc concentrations in at least one of the 2013 groundwater samples from wells CMW-1, CMW-4, CMW-6, EMW-3S, and SLR-1 exceeded the preliminary cleanup level (32.6 µg/L); however, the dissolved zinc concentrations only exceeded the preliminary cleanup level in samples from wells CMW-1, CMW-6, and EMW-3S. The dissolved zinc concentrations greater than the preliminary cleanup level only occurred in

localized areas near the northern sand and dredge fill area, near the former sandblast area, and hydraulically downgradient of the former aluminum window manufacturing area. Based on the dissolved zinc concentrations, the lateral and vertical extents of the zinc-impacted groundwater have been effectively delineated.

A groundwater seep sample (Seep-3) contained a zinc concentration that exceeded the preliminary cleanup level. The other seep samples contained zinc concentrations below the preliminary cleanup level.

7.2.2 Soil Sample Analytical Results

The soil sample analytical data were compared to the preliminary cleanup levels at all of the RI soil sample locations, as well as the previous soil sample locations, throughout the subject property. Soil samples collected during the RI were analyzed for PAHs, metals, PCBs, VOCs, SVOCs, phenols, phthalates, petroleum hydrocarbons, and dioxins/furans. The sample analytical results showed that at least one soil sample at the property contained PAHs, metals, PCBs, VOCs, SVOCs, petroleum hydrocarbons, and/or dioxins/furans concentrations that exceeded the preliminary cleanup levels. The soil sample analytical results for the first phase of the RI, as well as the previous investigations and remedial actions, are presented in Tables 1 through 8. Copies of the laboratory reports for the soil samples from the first phase of the RI are presented in Appendix H.

7.2.2.1 PAHs

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, and/or phenanthrene concentrations greater than their respective preliminary cleanup levels were detected in at least one soil sample from 69 of the borings, and in all of the test pit and trench samples (see Table 2). Of the PAH compounds detected at concentrations greater than the preliminary cleanup levels, benzo(a)pyrene and benzo(a)anthracene were the most common, and almost all of the other PAH exceedances were at locations where there were benzo(a)pyrene and/or benzo(a)anthracene exceedances. The PAH concentrations greater than the preliminary cleanup levels occur throughout most of the property. The only areas that did not contain detectable PAHs (the western and northern parts of Parcel F) may be due to the previous use of method reporting limits that were greater than the preliminary cleanup levels. The estimated areas of benzo(a)anthracene concentrations greater than the preliminary cleanup levels are shown on Figure 31. The lateral extents of the PAH-impacted soil were not delineated to the north, northeast, northwest (localized areas beyond the property line), or west (beyond the property line).

PAH concentrations greater than the preliminary cleanup levels occurred in soil samples collected at depths between 2 and 50 feet bgs. The primary sources of the PAH-impacted

soil include the former wood treating area and the former pipe manufacturing area. The highest PAH concentrations (greater than 100 mg/kg) were present in borings DMW-6, DB-11, and EMW-10D. The PAH-impacted soil extended beyond the bottoms of DMW-6, DB-11, and EMW-10D, the latter of which was sampled to a depth of 50 feet bgs. Although most of the PAH-impacted soil appears limited to less than 11 feet bgs, the vertical extent of the impacted soil was not delineated at several locations.

7.2.2.2 Metals

Antimony, arsenic, barium, cadmium, chromium, copper, lead, nickel, and/or zinc concentrations greater than their respective preliminary cleanup levels were detected in at least one soil sample from 80 of the soil borings, and in 2 of the trench samples (see Table 1). Of the metals detected at concentrations greater than the preliminary cleanup levels, arsenic and lead were the most common, and almost all of the other metals exceedances were at locations where there were arsenic and/or lead exceedances. The arsenic concentrations greater than the preliminary cleanup level (7 mg/kg) occur throughout most of Parcel D, the central part of Parcel F, and in localized areas at the western and eastern parts of Parcel F (see Figure 32). The lateral extents of the main area of arsenic-impacted soil have not been delineated to the west, and the lateral extents of two localized areas of arsenic-impacted soil at the western part of Parcel F have not been delineated.

The lead concentrations greater than the preliminary cleanup level (25 mg/kg) occur throughout most of Parcel D, in two large areas in the central part of Parcel F, and in localized areas at the western and eastern parts of Parcel F (see Figure 33). The lateral extents of the main area of lead-impacted soil have not been delineated to the west, beyond the property line. The western and northeastern extents of the long area of lead-impacted soil on Parcel F and the northern extent of the northern area of lead-impacted soil have not been delineated. Also, the lateral extents of a localized of lead-impacted soil at the western part of Parcel F have not been delineated.

The primary sources of the arsenic- and lead-impacted soil appear to be located at the former wood treating operations area, the former pipe and chain manufacturing areas, the former concrete products manufacturing and storage area, and the dredge fill areas. Although most of the metals-impacted soil appears limited to less than 10 feet bgs, the vertical extent of the impacted soil was not delineated at several locations.

Chromium only exceeded the preliminary cleanup level (117 mg/kg) in one soil sample (from boring EB-38 at a depth of 5 feet). That sample, as well as a sample from SB-32 that contained a chromium concentration of 84.2 mg/kg were analyzed for the presence of hexavalent chromium. Neither sample contained detectable concentrations of hexavalent chromium.

7.2.2.3 PCBs

PCB aroclor concentrations exceeded their respective preliminary cleanup levels in only five soil samples collected at the property: aroclor 1254 in samples from borings CMW-7, DMW-6, and EB-41; aroclor 1248 in surface soil sample SS-5; and aroclor 1260 in a sample from boring DB-12 (see Table 3). The PCB concentrations greater than the preliminary cleanup levels were typically detected between 0 and 5 feet bgs; however, the elevated arochlor 1260 concentration at DB-12 occurred at a depth of 11.5 feet bgs, and the vertical extent of the impacted soil was not delineated at that location. The PCB concentrations greater than the preliminary cleanup levels occur at localized areas near the former pipe and chain manufacturing areas, the former pole dipping tank, and the former drying kilns. The sources of the PCB-impacted soil are not known, but it could have been due to PCBs in the former building materials. The lateral extents of the areas of PCB-impacted soil have been effectively delineated.

7.2.2.4 VOCs

There was only one soil sample that contained a VOC analyte concentration greater than the preliminary cleanup level (see Table 7). The sample collected from boring FMW-2, at a depth of 8 feet bgs, contained a 1,1-dichloroethene concentration (0.20 mg/kg) that exceeded the preliminary cleanup level (0.026 mg/kg). FMW-2 was located at the western part of Parcel F, near Othello Street (see Figure 2). The lateral extent of the 1,1-dichloroethene-impacted soil was not delineated to the north, off of the property, but the vertical extent of the impacted soil was delineated. Based on the very limited VOC contamination at the subject property, the source of the 1,1-dichloroethene-impacted soil may be from the neighboring Markey Machinery Company facility.

7.2.2.5 SVOCs

In addition to the phenols and phthalates discussed below, there were two SVOC compounds (2-methylnaphthalene and dibenzofuran) detected in soil samples at concentrations exceeding their respective preliminary cleanup levels (see Table 6). Dibenzofuran exceeded the preliminary cleanup level in only three samples collected from borings DMW-6, DB11, and EMW-10D at depths between 4.5 and 35 feet bgs. Similar to other PAH compounds described in Section 7.2.2.1, 2-methylnaphthalene concentrations greater than the preliminary cleanup level occur throughout most of the property. The greatest 2-methylnaphthalene and dibenzofuran concentrations were present at the west and central portions of Parcel D in the vicinity of the former pipe manufacturing operations area and the former wood treating area, consistent with the highest PAH concentrations.

7.2.2.5.1 Phenols

The soil sample analytical results showed that 2-methylphenol was the only phenol compound detected at concentrations greater than its preliminary cleanup level (see Table 4). At least one soil sample from borings DMW-6, EB-32, and HC-13 contained 2-methylphenol concentrations that exceeded the preliminary cleanup level (0.0064 mg/kg). DMW-6, EB-32, and HC-13 were located at the former pipe manufacturing operations area and the former wood treating operations area (see Figure 2). The lateral extents of the areas of 2-methylphenol-impacted soil have been delineated, and the vertical extents are delineated, except at HC-13, which was only sampled at a depth of 2.5 feet bgs.

7.2.2.5.2 Phthalates

Di-n-octyl phthalate was detected in a soil sample from boring CMW-4, at a depth of 5 feet bgs, at a concentration (0.34 mg/kg) that exceeded the preliminary cleanup level (0.058 mg/kg). CMW-4 is located near the southern sand and dredge fill area (see Figure 2). The lateral extents of the di-n-octyl phthalate-impacted soil have been delineated, but the vertical extent was not defined. No other phthalate compounds were detected in any of the soil samples at concentrations greater than the preliminary cleanup levels (see Table 5).

7.2.2.6 Petroleum Hydrocarbons

Because there are no existing data that would allow for the calculation of a site-specific, risk-based MTCA Method B soil cleanup level for TPH, the petroleum hydrocarbon concentrations were compared to MTCA Method A cleanup levels for GRO, DRO, and HO. Since DRO and HO impacts are more prevalent than GRO, the previous TPH concentrations were compared to the Method A cleanup levels for DRO and HO (2,000 mg/kg for both). TPH, DRO, and/or HO concentrations greater than the preliminary cleanup levels were detected in at least one soil sample from borings CMW-7, DB-5, DB-11, EB-16, EB-24, EB-40, EMW-7S, EMW-10D, and SLR-5, and from test pit TP100810 (see Table 3). GRO concentrations greater than the preliminary cleanup level (30 mg/kg) were detected in at least one soil sample from borings CMW-7 and EB-51; however, the detected GRO concentration at CMW-7 was likely due to overlap from DRO on the chromatogram.

The TPH, DRO, and HO concentrations greater than the preliminary cleanup levels were at localized areas at the former pipe and chain manufacturing areas, near the former oil tank at the western end of Parcel D, near the former wood treating operations area, near the former pole treatment area, in both former container repair shops (one near an inactive sump), and near the aluminum window manufacturing plant. The storage and use of semi-volatile petroleum hydrocarbons at those areas were the likely sources of the semi-volatile petroleum hydrocarbon-impacted soil. HO-impacted soil also occurs at a localized area near the western property line (at EMW-7S), and the source of the impacted soil at that location is likely releases from the current bus staging operations or

spills from the adjacent parking area along 8th Avenue South. The gasoline-impacted soil is at the former chain manufacturing area, but the source of the gasoline at that area is likely spills from the more recent property operations.

The lateral extents of each area of petroleum hydrocarbon-impacted soil have been effectively delineated, except at the area near the western property boundary (at EMW-7S). The vertical extent of each area of impacted soil has been defined, except for the GRO-impacted soil at EB-51 and the HO-impacted soil at test pit TP100810.

7.2.2.7 Dioxins and Furans

At least one of the soil samples from borings EB-28, EB-45, EMW-5S, EMW-6S, and EMW-9S contained 2,3,7,8-TCDD toxicity equivalent quotient (TEQ) concentrations that exceeded the preliminary cleanup level (see Table 8). EB-28, EB-45, and EMW-9S were located at the eastern part of Parcel D (see Figure 34), and the sources of the dioxin-impacted soil are likely buried ash and/or charred wood from the former refuse burner and/or the former boiler house operations. EMW-5S was located near the former chimney, and the sources of the impacted soil are likely buried ash and/or charred wood from the former chimney operations. Charred wood was present in the soil at boring EMW-6S, which is located at the western part of Parcel F, and the dioxin source appears to be associated with the fill at that location. The highest dioxin concentrations were detected at depths between 2.5 and 7.5 feet bgs, and the vertical extent of the impacted soil was delineated at each area, except at EMW-9S. Due to the limited number of sample locations, the lateral extents of each area of dioxin-impacted soil were not delineated.

7.2.3 Catch Basin Solids Sample Analytical Results

The catch basin solids sample analytical results from the first phase of the RI, as well as from the previous sampling events, were compared to the preliminary screening levels to evaluate if catch basin solids may be part of potential contaminant migration pathways to the Lower Duwamish Waterway. Cleanup levels will not be established for catch basin solids. Since the sampled catch basins are located in paved areas of the property (on Parcel D) and recent inspections showed that there are no cracks or holes that would allow subsurface soil to enter the catch basins (see Section 4.4), there are no complete pathways between contaminated surface soil or subsurface soil and the sampled catch basins. Therefore, the catch basin solids sample analytical results are representative of contaminant sources from property operations within the past 30 years (after surface paving) and are not indicative of subsurface impacts to the storm water drainage system.

The catch basin solids samples collected during the first phase of the RI were analyzed for PAHs, metals, PCBs, VOCs, SVOCs, petroleum hydrocarbons, and dioxins/furans. The catch basin solids sample analytical results for the first phase of the RI, as well as for the previous sampling events are presented in Tables 17 through 24. Copies of the

laboratory reports for the catch basin solids samples from the first phase of the RI are presented in Appendix I.

7.2.3.1 PAHs

All of the RI samples contained benzo(a)anthracene, benzo(b)fluoranthene, and chrysene concentrations greater than their respective preliminary screening levels, and benzo(a)pyrene concentrations greater than the preliminary screening level were detected in all of the RI samples, except for one sample that had an elevated PQL (see Table 18). In addition, anthracene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected in at least one of the RI or previous catch basin samples at concentrations greater than the preliminary screening levels.

7.2.3.2 Metals

All of the catch basin solids samples contained lead concentrations greater than the preliminary screening level (40 mg/kg), and over 75 percent of the samples contained arsenic, chromium, and zinc concentrations that exceeded their respective preliminary screening levels (see Table 17). In addition, antimony, cadmium, copper, mercury, selenium, and thallium were detected at concentrations greater than their preliminary screening levels in one or two of the samples.

7.2.3.3 PCBs

None of the catch basin solids samples contained detectable PCB concentrations (see Table 19).

7.2.3.4 VOCs

Samples from seven of the catch basins contained total xylenes concentrations that exceeded the preliminary screening level (0.003 mg/kg; see Table 23). The total xylenes exceedances were at all of the sampled catch basins, except DP4CB2, on D Lines #3, #4, and #5, which are located across the eastern half of Parcel D.

With the exception of ethylbenzene, which exceeded the preliminary screening level (0.01 mg/kg) in the duplicate sample collected from basin DP3CB1 (it was not detected in the original sample), no other VOCs were detected at concentrations that exceeded the preliminary screening levels.

7.2.3.5 SVOCs

A concentration of benzyl alcohol (2 mg/kg) exceeded the preliminary screening level (0.057 mg/kg) in the sample collected from catch basin DP1CP2 (see Table 22). Except

for the phthalates discussed below, no other SVOC, including phenols (see Table 20), was detected at concentrations greater than the preliminary screening levels in any of the catch basin solids samples.

7.2.3.5.1 Phthalates

All of the sampled catch basins, except DP1CB3, DP3CB3, and DP6CB1 contained BEHP, butyl benzyl phthalate, diethyl phthalate, and/or dimethyl phthalate concentrations that exceeded the preliminary screening levels (see Table 21). BEHP was the most commonly detected phthalate and it was present in nine of the sampled catch basins at concentrations greater than the preliminary screening levels. The greatest BEHP concentrations were at catch basins located in the eastern half of Parcel D.

7.2.3.6 Petroleum Hydrocarbons

HO, DRO, and GRO concentrations in the catch basin solids samples were up to 21,000, 6,000, and 9.6 mg/kg, respectively; however, there are no preliminary screening levels for petroleum hydrocarbons (see Table 19).

7.2.3.7 Dioxins and Furans

The samples collected from catch basins DP4CB4 and DP6CB1 contained 2,3,7,8-TCDD TEQ concentrations of 5.77E-05 and 2.36E-04 mg/kg, respectively, that exceeded the preliminary screening level (2.2E-06 mg/kg; see Table 24). None of the other catch basin solids samples was analyzed for dioxins or furans.

7.2.4 Storm Water Sample Analytical Results

The storm water sample analytical results from the first phase of the RI were compared to the preliminary screening levels to evaluate if storm water may be part of potential contaminant migration pathways to the Lower Duwamish Waterway. Cleanup levels will not be established for storm water. The storm water samples were analyzed for PAHs, total metals, PCBs, VOCs, SVOCs, and petroleum hydrocarbons. The storm water sample analytical results are presented in Tables 25 through 31, and copies of the laboratory reports for the storm water samples are presented in Appendix J.

7.2.4.1 PAHs

Chrysene concentrations exceeded the preliminary screening level (0.0038 µg/L) in the samples from all of the outfalls, except OF4 (see Table 26). The samples from outfalls OF2 and OF3 also contained benzo(a)anthracene and benzo(b)fluoranthene concentrations greater than the preliminary screening levels (0.0042 and 0.0052 µg/L, respectively). The storm water samples did not contain any other PAH compounds at concentrations greater than the preliminary screening levels.

7.2.4.2 Metals

The storm water samples from all of the outfalls contained concentrations of barium, copper, and zinc that exceeded the preliminary screening levels (2, 2.4, and 56 µg/L, respectively) (see Table 25). The samples from all of the outfalls, except OF1, contained lead concentrations that exceeded the preliminary screening level (2.5 µg/L). The sample from OF4 also contained a mercury concentration that exceeded the preliminary screening level (0.012 µg/L).

7.2.4.3 PCBs

None of the storm water samples contained detectable PCB concentrations (see Table 27).

7.2.4.4 VOCs

None of the storm water samples contained VOC concentrations greater than the preliminary screening levels (see Table 31).

7.2.4.5 SVOCs

Except for the BEHP detections discussed below, none of the storm water samples contained SVOCs, including phenols (see Table 28), at concentrations greater than the preliminary screening levels (see Table 30).

7.2.4.5.1 Phthalates

The storm water samples from all of the outfalls, except OF5, contained BEHP concentrations that exceeded the preliminary screening level (1.2 µg/L; see Table 29). There were no other phthalate compounds detected at concentrations greater than the preliminary screening levels in any of the samples.

7.2.4.6 Petroleum Hydrocarbons

HO concentrations exceeded the preliminary screening level in the storm water samples collected from outfalls OF2 and OF3. The concentrations of the other petroleum hydrocarbons did not exceed the preliminary screening levels.

7.2.5 Intertidal Sediment Sample Analytical Results

The preliminary screening levels were used to evaluate the intertidal sediment sample analytical results from the first phase of the RI; however, after the EPA has issued its Record of Decision, the sediment data should be compared to the EPA's contaminant-specific cleanup levels for the Lower Duwamish Waterway Superfund Site. The sediment samples were analyzed for PAHs, metals, PCBs, SVOCs, petroleum hydrocarbons, and dioxins/furans. The intertidal sediment sample analytical results are

presented in Tables 32 through 38, and copies of the laboratory reports for the intertidal sediment samples are presented in Appendix K.

Based on the sediment sample locations near the current ends of the pier and near storm water drainage system outfalls, the storm water drainage system is the only potential significant on-property source of impacts to the intertidal sediments.

7.2.5.1 PAHs

All of the intertidal sediment samples contained concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene that exceeded the respective preliminary screening levels (see Table 33). The other PAH compounds were not detected at concentrations greater than the preliminary screening levels in any of the samples.

Based on the elevated PAH concentrations in the catch basin solids samples, the storm water drainage system at the subject property could be contributing to the PAH-impacted sediments. However, as described in Section 3.5, elevated PAH concentrations were present in the sediments at the northern part of Slip 4 prior to the remediation of the EAA, and the PAH impacts extended onto the 8th Avenue Terminals property.

7.2.5.2 Metals

Arsenic concentrations in all of the intertidal sediment samples exceeded the preliminary screening level (3.10 mg/kg), and chromium and lead concentrations exceeded the preliminary screening levels (35.6 and 40 mg/kg, respectively) in four of the five sediment samples. Sample IS-1 contained an antimony concentration that exceeded the preliminary screening level (7.30 mg/kg). The concentrations of the other analyzed metals were below preliminary screening levels in all of the samples (see Table 32).

Lead was detected in all of the catch basin solids samples at concentrations greater than the preliminary catch basin solids screening levels, and arsenic and chromium were present in almost all of the catch basin solids samples at concentrations greater than the preliminary screening levels; therefore, it appears that the storm water drainage system at the subject property may be contributing to the lead-, arsenic-, and chromium-impacted sediment. However, as described in Section 3.5, elevated lead concentrations were present at the northern part of Slip 4 sediments prior to the remediation of the EAA. The lead-impacted sediments on the subject property are likely also due to storm water discharges from off-property sources at the head of Slip 4.

7.2.5.3 PCBs

The total PCB concentrations in all of the intertidal sediment samples exceeded the preliminary screening level (0.23 mg/kg; see Table 34). Because PCBs were not detected

in any of the catch basin solids samples or storm water samples from the subject property, the storm water drainage system at the subject property is not a source of the PCB-impacted sediments on the subject property. As described in Section 3.5, the sediment investigation results prior to the remediation of the Slip 4 EAA showed that total PCB concentrations were greatest at the head of Slip 4 and decreased with distance towards the 8th Avenue Terminals property and the mouth of the slip.

7.2.5.4 SVOCs

Except for the phthalates discussed below, none of the intertidal sediment samples contained concentrations of SVOCs, including phenols (see Table 35) that exceeded the preliminary screening levels (see Table 37).

7.2.5.4.1 Phthalates

Samples IS-1 and IS-2 contained BEHP and butyl benzyl phthalate concentrations, respectively, that exceeded the preliminary sediment screening levels (see Table 36). IS-1 and IS-2 are located along the southern shoreline of the property (see Figure 3). No other phthalate compounds were detected at concentrations above the preliminary screening levels in any of the sediment samples.

BEHP and butyl benzyl phthalate were detected in catch basin solids samples at concentrations greater than the preliminary catch basin solids screening levels; therefore, the storm water drainage system at the property could be contributing to the phthalate-impacted sediments. However, as described in Section 3.5, elevated BEHP concentrations were present at the northern part of Slip 4 prior to the remediation of the EAA, and the BEHP impacts extended onto the 8th Avenue Terminals property.

7.2.5.5 Petroleum Hydrocarbons

All of the intertidal sediment samples contained detectable concentrations of DRO and HO (see Table 34); however, there are no preliminary sediment screening levels for DRO and HO.

7.2.5.6 Dioxins and Furans

All of the intertidal sediment samples contained 2,3,7,8-TCDD TEQ concentrations that exceeded the preliminary sediment screening level (2.20E-06 mg/kg; see Table 38). Because both of the catch basin solids samples from the property that were analyzed for dioxins/furans contained 2,3,7,8-TCDD TEQ concentrations greater than the preliminary catch basin solids screening level, it appears that the storm water drainage system at the property may be contributing to the dioxin-impacted sediments. However, as described in Section 3.5, elevated dioxin TEQ concentrations were present at the northern part of Slip 4 prior to the remediation of the EAA, and the dioxin impacts likely extended onto the 8th Avenue Terminals property.

8 REMAINING INVESTIGATION DATA GAPS

The purpose of the RI is to determine the nature and extent of the contamination at the subject property and to assess the potential risks to human health and the environment. Based on the results of the first phase of the RI, SLR has identified several investigation data gaps that should be addressed to complete the objectives of the RI. These data gaps are described below.

Groundwater Data Gaps

- We have assumed that the observed westernmost arm of the sheet pile seawall extends to the same depth as the rest of the wall; however, there are no records to verify that assumption. Since the seawall serves as a barrier to shallow groundwater flow, the depth of that section of the seawall is needed to determine if the shallow groundwater flows around the western end of the observed seawall or the western end of the pier.

- Additional groundwater sampling should be conducted at the groundwater compliance wells to further evaluate the groundwater COPCs for the site.

- The lateral extent of PAH-impacted groundwater has not been delineated to the west of the property (west of HC-20 and EMW-7S), and the vertical extents of the PAH-impacted groundwater have not been defined at wells EMW-4D and EMW-14D.

- The preliminary cleanup level for arsenic is based on a regional background concentration; however, groundwater samples from the upgradient wells (EMW-1S EMW-6S, and EMW-7S) on the property contained arsenic concentrations much greater than the preliminary cleanup level. Additional groundwater sampling is needed at the upgradient wells and possibly upgradient of the property to evaluate the arsenic concentrations flowing onto the property (background conditions). After the background arsenic concentration for the property has been established, then it may be possible to delineate the lateral and vertical extents of the arsenic-impacted groundwater.

- The lateral extents of the barium- and copper-impacted groundwater have not been delineated to the west of the property (west of EMW-11S), and the lateral extent of

cadmium-impacted groundwater has not been delineated to the north of well EMW-3 (and northeast of well EMW-2S).

- The vertical extents of the barium-impacted groundwater have not been delineated near the seawall (at EMW-4D, EMW-14D, and EMW-16D), and the vertical extents of the cadmium-impacted groundwater are not delineated near the seawall (at EMW-4D) or below the former wood treating operations area (at EMW-10D).

- Nickel analysis by ICP-DRC-MS is needed to evaluate if matrix interferences have been affecting the concentrations that were analyzed by EPA Method 200.8. After establishing if the ICP-DRC-MS or 200.8 method is appropriate for nickel, then the lateral and vertical extents can be properly evaluated.

Soil Data Gaps

- The source and the lateral and vertical extents of the oily substance with a creosote-like odor in deep boring EMW-10D (at the former wood treating operations area) have not been determined.

- The lateral extents of the PAH-impacted soil have not been delineated to the north, northeast, northwest, and west, and the vertical extents of the impacted soil have not been determined at several locations throughout the property.

- The lateral extents of the main area of arsenic- and lead-impacted soil have not delineated to the west of the property, and the lateral extents of two localized areas of arsenic-impacted soil at the western part of Parcel F are not defined. The western and northeastern extents of the long area of lead-impacted soil on Parcel F and the northern extent of the northern area of lead-impacted soil (north of the property) have not been delineated. Also, the lateral extents of a localized area of lead-impacted soil at the western part of Parcel F are not defined.

- The vertical extents of the arsenic- and lead-impacted soil have not been delineated at several locations throughout the property.

- The vertical extents of the PCB-impacted soil at boring DB-12, the 2-methylphenol-impacted soil at boring HC-13, and the di-n-octyl phthalate-impacted soil at boring CMW-4 have not been defined.

- The source of 1,1-dichloroethene in soil at FMW-2 has not been determined, and may be associated with activities at the neighboring Markey Machinery Company facility.

- The preliminary soil cleanup levels for petroleum hydrocarbons are very conservative (MTCA Method A levels) because the data necessary to calculate a

site-specific, risk-based Method B cleanup level for TPH have not been collected. After collecting the data and calculating the Method B cleanup level, the existing data can be evaluated to determine if the lateral and vertical extents of the petroleum hydrocarbon-impacted soil have been delineated.

- The source of petroleum hydrocarbons in the soil at EMW-7S has not been identified and may be associated with off-property activities.

- The lateral extents of each area of dioxin-impacted soil have not been delineated, and the vertical extent of the impacted soil is not defined at boring EMW-9S.

Catch Basin Solids and Storm Water Data Gaps

- Any data gaps associated with catch basin solids and storm water will be evaluated after the second sampling events have been completed.

Sediment Data Gaps

- The sediment data are difficult to evaluate because the contaminants are primarily due to off-property sources. Based on the previous sediment dredging on the 8th Avenue Terminals property, the extensive sediment sampling that has been conducted in the Lower Duwamish Waterway and Slip 4, including on the subject property, and the EPA's planned remedial action for the Lower Duwamish Waterway Superfund Site, we do not believe that there are any remaining sediment data gaps for the RI.

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Table 1
Soil Sample Analytical Results - Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Approximate Sample Depth (Feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.0**	**7.0**	**100.6**	**160**	**1.0**	**117**	**240**	**36**	**25**	**2.0**	**48**	**0.91**	**400**	**NV**	**86**
Preliminary Soil Screening Levels[b] (mg/kg)				**5.0**	**7.0**	**23.1**	**10**	**1.0**	**117**	**0.10**	**36**	**25**	**0.07**	**38**	**0.91**	**0.079**	**0.044**	**86**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.42**	**0.11**	**0.052**	**0.086**	**0.20**	**0.47**	**0.10**	**0.071**	**0.050**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
CMW-1	CMW-1-5	6/12/2008	5	NA	2.17	**31.7**	NA	1 U	11.3	NA	9.18	2.42	0.2 U	NA	1 U	1 U	NA	NA
CMW-2A	CMW-2A-4	6/12/2008	4	NA	2.14	**32.6**	NA	1 U	14.1	NA	10.5	2.05	0.2 U	NA	1 U	1 U	NA	NA
CMW-3	CMW-3-5	6/12/2008	5	NA	4.66	**32.1**	NA	1 U	10.7	NA	12	3.75	0.2 U	NA	1 U	1 U	NA	NA
CMW-3	CMW-3-10	6/12/2008	10	NA	**38**	**87.9**	NA	1 U	20.1	NA	**40.3**	**58**	0.2 U	NA	1 U	1 U	NA	NA
CMW-4	CMW-4-5	6/13/2008	5	NA	**158**	**81.8**	NA	**1.11**	16	NA	**109**	**151**	**0.25**	NA	1 U	1 U	NA	NA
CMW-5	CMW-5-5	6/13/2008	5	NA	**184**	**75.5**	NA	1 U	17.9	NA	**135**	**186**	0.2 U	NA	1 U	1 U	NA	NA
CMW-6	CMW-6-5	6/13/2008	5	NA	**121**	**53.2**	NA	1 U	16.5	NA	**82.4**	**101**	0.2 U	NA	1 U	1 U	NA	NA
CMW-7	CMW-7-5	6/13/2008	5	NA	**236**	**77.4**	NA	1 U	23.5	NA	**162**	**208**	0.26 U	NA	1 U	1 U	NA	NA
CMW-7	CMW-7-7	6/13/2008	7	NA	**27.6**	**60**	NA	1 U	15.6	NA	29.1	**34.4**	0.2 U	NA	1 U	1 U	NA	NA
DB1	DB1-5.0	4/17/1990	5	NA	6.57	NA	NA	0.3	11.4	NA	14.9	8	NA	8	NA	NA	NA	42.1
DB1	DB1-6.5	4/17/1990	6.5	NA	**13.1**	NA	NA	0.3	10.3	NA	26.9	18	NA	8	NA	NA	NA	67.2
DB1	DB1-9.5	4/17/1990	9.5	NA	3.1	NA	NA	0.2	12.6	NA	19.3	7	NA	10	NA	NA	NA	42.1
DMW2	DB2-3.5	4/17/1990	3.5	NA	**25**	NA	NA	0.4	25.3	NA	**40.1**	**30**	NA	30	NA	NA	NA	**105**
DMW2	DB2-4.5	4/17/1990	4.5	NA	**144**	NA	NA	**1.2**	14.3	NA	**263**	**120**	NA	16	NA	NA	NA	**500**
DMW2	DB2-7.0	4/17/1990	7	NA	**241**	NA	NA	1	17.5	NA	**179**	**226**	NA	12	NA	NA	NA	**716**
DMW2	DB2-9.5	4/17/1990	9.5	NA	4	NA	NA	0.6	14.8	NA	22.6	4	NA	10	NA	NA	NA	33.7
DMW2	DB2-12.0	4/17/1990	12	NA	6.5	NA	NA	0.3 U	14.9	NA	22.1	9	NA	9	NA	NA	NA	40.9
DMW2	DB2-18.0	4/17/1990	18	NA	**9.1**	NA	NA	0.2 U	10	NA	16.3	7	NA	8	NA	NA	NA	42.2
DMW3	DB3-2.0	4/18/1990	2	NA	6.5	NA	NA	0.3	23.1	NA	17.3	6	NA	30	NA	NA	NA	41.5
DMW3	DB3-3.5	4/18/1990	3.5	NA	**21**	NA	NA	0.6	15.3	NA	**70.9**	**68**	NA	23	NA	NA	NA	**184**
DMW3	DB3-6.0	4/18/1990	6	NA	1.5	NA	NA	0.1 U	9	NA	11	2 U	NA	8	NA	NA	NA	23.7
DMW3	DB3-7.5	4/18/1990	7.5	NA	2.79	NA	NA	0.2 U	13.7	NA	16.8	3 U	NA	13	NA	NA	NA	29.2
DMW3	DB3-9.0	4/18/1990	9	NA	2.5	NA	NA	0.3	16.6	NA	23.2	3	NA	13	NA	NA	NA	34.8
DMW3	DB3-13.5	4/18/1990	13.5	NA	1.78	NA	NA	0.2 U	13.2	NA	14.2	3 U	NA	9	NA	NA	NA	24.4
DMW3	DB3-17.0	4/18/1990	17	NA	5.51	NA	NA	0.2	11.2	NA	13.1	3 U	NA	8	NA	NA	NA	31.3
DB4	DB4-6.0	4/19/1990	6	NA	**8.5**	NA	NA	0.3	18.5	NA	**49.2**	**319**	NA	16	NA	NA	NA	**86.7**
DB4	DB4-8.5	4/19/1990	8.5	NA	**13.9**	NA	NA	0.3	16.8	NA	27.2	19	NA	12	NA	NA	NA	61.4
DB4	DB4-11.0	4/19/1990	11	NA	4	NA	NA	0.3 U	15.2	NA	21.2	3 U	NA	9	NA	NA	NA	26.1
DB5	DB5-2.0	4/18/1990	2	NA	**205**	NA	NA	**1.2**	70.7	NA	**195**	**166**	NA	35	NA	NA	NA	**627**
DB5	DB5-8.0	4/18/1990	8	NA	1.16	NA	NA	0.3	10.1	NA	13.4	3 U	NA	7	NA	NA	NA	27.2
DB5	DB5-11.0	4/18/1990	11	NA	2.33	NA	NA	0.2 U	11.5	NA	14.2	3	NA	7	NA	NA	NA	24.6
DMW6	DB6-2.0	4/19/1990	2	NA	**590**	NA	NA	**2.1**	38.4	NA	**496**	**434**	NA	30	NA	NA	NA	**1,640**
DMW6	DB6-4.5	4/19/1990	4.5	NA	**1,760**	NA	NA	**4.9**	109	NA	**1,400**	**1,250**	NA	**65**	NA	NA	NA	**4,180**
DMW6	DB6-7.0	4/19/1990	7	NA	**1,220**	NA	NA	**4.1**	58.3	NA	**946**	**866**	NA	33	NA	NA	NA	**3,220**
DMW6	DB6-10.0	4/19/1990	10	NA	3.3	NA	NA	0.4	14.5	NA	24.6	4	NA	10	NA	NA	NA	34.8
DMW6	DB6-13.0	4/19/1990	13	NA	**38**	NA	NA	0.5	14.6	NA	**48.9**	**30**	NA	9	NA	NA	NA	**132**
DMW6	DB6-16.0	4/19/1990	16	NA	**14.2**	NA	NA	0.2 U	10.4	NA	14.9	6	NA	7	NA	NA	NA	44.8
DMW6	DB6-18.5	4/19/1990	18.5	NA	1.57	NA	NA	0.2 U	11.5	NA	11	3 U	NA	9	NA	NA	NA	25.4
DB7	DB7-6.0	4/18/1990	6	NA	3.5	NA	NA	0.4	27.2	NA	16.9	15	NA	38	NA	NA	NA	61.6
DB7	DB7-8.5	4/18/1990	8.5	NA	**107**	NA	NA	0.4	29.7	NA	**91.2**	**116**	NA	32	NA	NA	NA	**332**
DB7	DB7-11.5	4/18/1990	11.5	NA	**1,090**	NA	NA	**3.6**	48.3	NA	**782**	**712**	NA	33	NA	NA	NA	**2,600**
DB8	DB8-5.0	4/19/1990	5	NA	**18**	NA	NA	0.5	19	NA	**83**	**45**	NA	18	NA	NA	NA	**160**
DB8	DB8-8.0	4/19/1990	8	NA	2.9	NA	NA	0.2 U	12.6	NA	15.9	3 U	NA	9	NA	NA	NA	27.3
DB8	DB8-11.0	4/19/1990	11	NA	2.22	NA	NA	0.3 U	12.1	NA	15.9	3 U	NA	7	NA	NA	NA	22.6
DB9	DB9-5.0	4/19/1990	5	NA	**9.7**	NA	NA	0.5	11.3	NA	30.7	**29**	NA	11	NA	NA	NA	**105**
DB9	DB9-8.0	4/19/1990	8	NA	3.3	NA	NA	0.2 U	10.9	NA	17.9	3 U	NA	10	NA	NA	NA	22
DB9	DB9-11.0	4/19/1990	11	NA	2.03	NA	NA	0.3 U	17.4	NA	25.3	4	NA	12	NA	NA	NA	28.6
DB10	DB10-5.0	4/20/1990	5	NA	**133**	NA	NA	0.8	17.2	NA	**101**	**104**	NA	14	NA	NA	NA	**460**
DB10	DB10-8.0	4/20/1990	8	NA	1.82	NA	NA	0.2 U	12.9	NA	16.3	3 U	NA	8	NA	NA	NA	23.7
DB10	DB10-11.0	4/20/1990	11	NA	**9.1**	NA	NA	0.3 U	14.7	NA	19.4	4	NA	10	NA	NA	NA	35.5

Table 1
Soil Sample Analytical Results - Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Approximate Sample Depth (Feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.0**	**7.0**	**100.6**	**160**	**1.0**	**117**	**240**	**36**	**25**	**2.0**	**48**	**0.91**	**400**	**NV**	**86**
Preliminary Soil Screening Levels[b] (mg/kg)				**5.0**	**7.0**	**23.1**	**10**	**1.0**	**117**	**0.10**	**36**	**25**	**0.07**	**38**	**0.91**	**0.079**	**0.044**	**86**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.42**	**0.11**	**0.052**	**0.086**	**0.20**	**0.47**	**0.10**	**0.071**	**0.050**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
DB11	DB11-6.5	4/18/1990	6.5	NA	4.66	NA	NA	0.2	10	NA	20.4	**34**	NA	11	NA	NA	NA	85
DB11	DB11-8.0	4/18/1990	8	NA	6.8	NA	NA	0.4	50.2	NA	26.4	**311**	NA	17	NA	NA	NA	50.3
DB11	DB11-9.5	4/18/1990	9.5	NA	2.06	NA	NA	0.2 U	12.8	NA	17.2	4	NA	10	NA	NA	NA	30.2
DB12	DB12-5.0	4/26/1990	5	NA	2.32	NA	NA	0.3	10	NA	12.7	13	NA	7	NA	NA	NA	56.2
DB12	DB12-11.5	4/26/1990	11.5	NA	1.99	NA	NA	0.2 U	11	NA	13	3 U	NA	8	NA	NA	NA	25.1
DB13	DB13-11.0	4/26/1990	11	NA	5.3	NA	NA	0.2 U	15	NA	19.4	4	NA	10	NA	NA	NA	33.1
DB14	DB14-9.5	4/26/1990	9.5	NA	2.1	NA	NA	0.1	13.5	NA	17.6	3 U	NA	10	NA	NA	NA	22.5
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	2.23	6.27	**43.6**	0.10	0.54	10.8	NA	29.3	**35.2**	0.06	11.6	0.91 U	0.078 U	0.043 UJ	**99.7**
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	0.86	2.61	**26.4**	0.11	0.20 U	8.99	NA	13.3	4.23	0.021	5.24	0.91 U	0.078 U	0.043 UJ	24
EB-5	EB-5-10.0	6/18/2013	9 - 11	0.66	2.92	**34.1**	0.15	0.20 U	9.11	NA	16.8	4.09	0.032	5.89	0.91 U	0.078 U	0.043 UJ	22.8
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	0.50	2.9	**31.5**	0.13	0.20 U	8.67	NA	13.9	2.14	0.024	5.62	0.91 U	0.078 U	0.043 UJ	16
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	1.35	4.89	**36**	0.12	0.24	9.73	NA	18.4	7.31	0.017	15.9	0.91 U	0.078 U	0.043 UJ	27.8
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	**7.44**	**10.4**	**38.5**	0.16	0.34	8.09	NA	19.4	19.4	0.037	7.12	0.91 U	0.078 U	0.043 UJ	47.5
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	0.14	2.33	**33.5**	0.17	0.20 U	8.29	NA	16	2.51	0.028	5.85	0.91 U	0.078 U	**0.068**	17.1
EB-16	EB-16-2.5'	6/19/2013	2 - 3	1.22	4.49	**41.1**	0.14	0.27	8.6	NA	20.5	14.4	0.019	13.5	0.92 UJ	0.078 UJ	0.044 UJ	34.1
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	0.11 UJ	1.54	11.9	0.086 U	0.2 U	4.39	NA	5.85	0.93	0.005	3.52	0.92 UJ	0.078 UJ	0.044 UJ	15.5
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	0.11 UJ	2.85	**35.3**	0.16	0.2 U	8.35	NA	11.9	2.38	0.019	6.28	0.92 UJ	0.078 UJ	0.044 UJ	16.2
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	**9.42**	**10.8**	**57.3**	0.18	0.46	7.2	NA	12.8	4.92	0.022	9.36	0.91 U	0.078 U	0.043 UJ	28.5
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	0.25	2.26	14.4	0.086 U	0.20 U	3.84	NA	5.74	0.95	0.008	2.82	0.91 U	0.078 U	0.043 UJ	10.8
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	0.20	4.39	**51.2**	0.24	0.20 U	9.76	NA	19.3	3.57	0.037	8.43	0.91 U	0.078 U	**0.085**	19.6
EB-24	EB-24-1.0	6/17/2013	1 - 2	0.93	4.91	**31.6**	0.13	0.20 U	9.35	NA	18.9	5.82	0.014	13.2	0.91 U	0.078 U	0.043 UJ	35.7
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	**21.2**	**35.8**	**165**	0.16	0.41	14.4	NA	**70.9**	**74.5**	0.068	17.2	0.91 U	**0.10**	0.043 UJ	**229**
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	2.07	2.6	**45.3**	0.23	0.20 U	9.96	NA	19.2	3.25	0.036	7.92	0.91 U	0.078 U	**0.069**	19.3
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	0.75	3.99	**40.4**	0.15	0.2 U	12.4	NA	16.7 E	2.78	0.02	20.1	0.91 U	0.79 UJ	**0.076**	23.5
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	**239**	**564**	**74.8**	0.40 E	**1.04**	36.2	NA	**373** E	**471**	**0.44**	14.8 E	0.91 U	**0.938**	0.44 UJ	**1,360** E
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	1.17	1.05	**25.9**	0.22	0.22	6.63	NA	9.7 E	1.46	0.014	4.94	0.91 U	0.79 UJ	**0.046**	22.3
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	0.56	2.91	**34.4**	0.12	0.20 U	13.1	NA	9.19	2.96	0.012	23.5	0.91 U	0.078 U	0.043 UJ	20.2
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	**1,010**	**2,030**	**160**	1.28	**3.34**	84.2	0.44 U	**1,820**	**1,510**	**0.25**	33.3	9.12 U	**2.3**	**0.72**	**6,210**
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	2.2	2.35	19	0.14	0.20 U	5.45	NA	9.07	1.61	0.012	5.07	0.91 U	0.078 U	0.043 UJ	16.7
EB-32	EB-32-12.5	6/14/2013	12 - 13	0.77	2.71	**29**	0.17	0.31	9.8	NA	14.7	2.06	0.019	9.26	0.91 U	0.078 U	0.043 UJ	26.1
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	**15.7**	**32.2**	**98.9**	0.15	0.23	10.5	NA	**37.7**	**38.5**	0.064	12.4	0.91 U	**0.13**	**0.059**	**119**
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	**2,170**	**4,000**	**226**	2.52	**5.08**	**149**	0.42 U	**3,610**	**3,230**	**0.42**	**64.5**	18.2 U	**4.17**	**3.59**	**12,500**
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	**7.44**	5.62	**39.1**	0.21	0.27	8.92	NA	17.4	3.73	0.029	10.3	0.91 U	0.078 U	**0.077**	34.4
EB-38	EB-38-12.5	6/17/2013	12 - 13	0.11 UJ	NA	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.044 UJ	NA
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	0.48	3.66	**31**	0.19	0.2 U	21.6	NA	14.8 E	3.82	0.018	10.6	0.91 U	0.79 UJ	0.044 UJ	21.7
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	**34.1**	**48.4**	**49.7**	0.22	0.27	15.5	NA	**48.6** E	**60.4**	0.039	23.2	0.91 U	**0.086**	0.044 UJ	**162**
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	0.18	1.67	15.7	0.11	0.2 U	5.53	NA	8.81 E	1.2	0.012	4.27	0.91 U	0.79 UJ	0.044 UJ	12.3
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	1.54	3.95	**35.1**	0.15	0.20 U	14.5	NA	11.8	2.86	0.013	26.5	0.91 U	0.078 U	**0.091**	22.6
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	**133**	**221**	**74.5**	0.25	**1.05**	39.7	NA	**246**	**324**	**0.11**	30.8	0.91 U	**0.35**	**0.15**	**802**
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	0.64	2.26	18	0.10	0.20 U	5.95	NA	10.5	1.68	0.016	4.09	0.91 U	0.078 U	**0.051**	14.1
EB-41	EB-91-10.0(dupl.)	6/14/2013	9 - 10.5	0.27	1.99	19.7	0.086 U	0.20 U	5.74	NA	9.72	1.48	0.014	4.15	0.91 U	0.078 U	**0.049**	12.5
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	0.28	2.92	19.9	0.086 U	0.20 U	8.46	NA	10.2	1.45	0.013	6.43	0.91 U	0.078 U	0.043 UJ	18
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	0.58	2.77	**32.6**	0.16	0.2 U	12.6	NA	10.4 E	2.53	0.015	20.3	0.91 U	0.79 UJ	0.044 UJ	21.6
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	**34.2**	**70.9**	**58.4**	0.21	0.28	17.6	NA	**52.5** E	**53.6**	0.044	20.1	0.91 U	**0.11**	**0.051**	**191**
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	**7.22**	**14**	**70.4**	0.18	0.27	20	NA	34.8 E	**38**	**0.095**	11.8	0.91 U	**0.11**	0.044 UJ	77.2
EB-45	EB-45-12.5	6/10/2013	12 - 13	1.23	4.32	**33**	NA	NA	NA	NA	NA	9.79	0.023	NA	NA	0.79 UJ	NA	NA
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	0.64	2.84	**35.3**	0.15	0.20 U	13.7	NA	9.56	2.48	0.011	26.5	0.91 U	0.078 U	0.043 UJ	21
EB-46	EB-46-2.5	6/14/2013	2 - 3	**216**	**409**	**80**	0.29	0.95	35.2	NA	**342**	**491**	**0.14**	12.7	0.91 U	**0.47**	**0.23**	**1,260**
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	0.18	3.12	**33.6**	0.18	0.20 U	7.86	NA	15.3	2.3	0.027	5.86	0.91 U	0.078 U	0.043 UJ	17.6
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	0.16	2.81	**35.1**	0.16	0.20 U	8.92	NA	14.9	2.44	0.031	7.07	0.91 U	0.078 U	0.043 UJ	15.9
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	0.87	3.69	**26.8**	0.16	0.2 U	8.6	NA	14.2 E	3.19	0.014	12.3	0.91 U	0.79 UJ	0.044 UJ	20.6
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	**82.2**	**107**	**53.2**	0.24 E	0.45	16.9	NA	**129** E	**126**	**0.11**	12.9 E	0.91 U	**0.19**	0.44 UJ	**401** E
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	0.49	3.57	**38.5**	0.23	0.2 U	9.15	NA	15.4 E	2.61	0.033	7.96	0.91 U	0.79 UJ	**0.048**	19.2
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	0.25	2.69	**35.5**	0.15	0.20 U	14.4	NA	10.7	2.37	0.015	25.2	0.91 U	0.078 U	**0.054**	21.3
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	0.50	3.71	**54.7**	0.20	0.20 U	16.4	NA	14.4	4.11	0.019	28.2	0.91 U	0.078 U	0.043 UJ	24.8
EB-50	EB-50-7.5	6/14/2013	7 - 8	1.61	4	**56.9**	0.19	0.38	14	NA	13.3	15.9	0.036	19.5	0.91 U	0.078 U	0.043 UJ	30.4

Table 1
Soil Sample Analytical Results - Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Approximate Sample Depth (Feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.0**	**7.0**	**100.6**	**160**	**1.0**	**117**	**240**	**36**	**25**	**2.0**	**48**	**0.91**	**400**	**NV**	**86**
Preliminary Soil Screening Levels[b] (mg/kg)				**5.0**	**7.0**	**23.1**	**10**	**1.0**	**117**	**0.10**	**36**	**25**	**0.07**	**38**	**0.91**	**0.079**	**0.044**	**86**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.42**	**0.11**	**0.052**	**0.086**	**0.20**	**0.47**	**0.10**	**0.071**	**0.050**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	0.34	2.68	**29.1**	0.12	0.20 UJ	12.2	NA	10.5	2.41	0.029	20.8	0.91 U	0.078 UJ	0.043 UJ	17.3
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	**25.7**	**50.4**	**46.6**	0.15	0.36	16.5	NA	**52.5**	**54.2**	0.045	18.4	0.91 U	**0.10**	0.043 UJ	**136**
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	1.4	6.49	**76.3**	0.22	0.51	23.6	NA	28.8	14.9	0.039	**42.9**	0.91 U	**0.11**	**0.079**	47.1
EB-51	EB-51-10.0	6/13/2013	9 - 10	**28.6**	**36.7**	**39.3**	0.16	0.67	16.9	NA	**50.7**	**92.5**	0.067	20.5	0.91 U	**0.13**	**0.054**	**161**
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	0.96	3.97	**40.5**	0.11	0.54	16.6	NA	32.2	**32.5**	0.022	19.7	0.91 U	0.078 U	0.043 U	**247**
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	0.68	1.97	19.3	0.086 U	0.25	8.2	NA	10.5	11.6	0.029	17	0.91 U	0.078 U	0.043 U	39.1
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	0.11 U	4.34	**44.4**	0.16	0.20 U	7.47	NA	15.9	9.03	0.059	4.59	0.91 U	0.078 U	0.043 U	21.6
EMW-2S	EMW-2S-2.5	6/17/2013	2 - 3	0.27	1.74	17.2	0.10	0.20 U	5.86	NA	6.51	3.16	0.043	3.96	0.91 U	0.078 U	**0.07**	15.1
EMW-2S	EMW-2S-5.0	6/17/2013	4 - 5	0.13	1.07	12.1	0.086 U	0.20 U	6.76	NA	5.62	1.11	0.011	3.69	0.91 U	0.078 U	**0.052**	12.4
EMW-2S	EMW-2S-10.0	6/17/2013	9.5 - 11	0.18	1.93	**40**	0.22	0.20 U	7.92	NA	15.8	2.49	0.054	5.77	0.91 U	0.078 U	0.043 UJ	19.5
EMW-3S	EMW-3S-1.0	6/11/2013	0.5 - 1.5	1.55	5.49	**67.9**	0.11	**1.4**	11.8	NA	32.1 E	**74.2**	0.053	15.9	0.91 U	**0.15**	**0.063**	**210**
EMW-3S	EMW-3S-5.0	6/11/2013	4.5 - 5.5	0.22	2.44	**33.5**	0.14	0.20 U	11.1	NA	8.87 E	2.34	0.019	18	0.91 U	0.078 U	0.043 UJ	16.5
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	0.64	4.68	**88.4**	0.18	0.20 U	8.17	NA	18.1 E	23.8	0.058	6.43	0.91 U	**0.11**	0.043 UJ	43
EMW-3S	EMW-3S-15.0	6/11/2013	14.5 - 15.5	0.12	2.28	**23.6**	0.16	0.20 U	10.7	NA	14.9 E	2.07	0.026	8.16	0.91 U	0.078 U	0.043 UJ	23.2
EMW-3S	EMW-89S-5.0(dupl.)	6/11/2013	14.5 - 15.5	**9.44**	**14**	**52.5**	0.12	0.34	17.6	NA	27.6 E	22	0.022	15.7	0.91 U	0.078 U	0.043 UJ	**86.8**
EMW-4D	EMW-4D-2.5'	6/17/2013	2 - 3	0.14	1.62	**25.7**	0.13	0.20 U	12.4	NA	8.39	1.69	0.013	22.1	0.91 U	0.078 U	0.043 U	16.5
EMW-4D	EMW-4D-5.0'	6/17/2013	4.5 - 5.5	0.11 U	1.67	**28.2**	0.13	0.20 U	13.5	NA	8.78	1.76	0.013	24.2	0.91 U	0.078 U	0.043 U	17.7
EMW-4D	EMW-4D-7.5'	6/17/2013	7 - 8	0.38	3.17	**35.1**	0.14	0.20 U	11.3	NA	11.3	2.26	0.021	18	0.91 U	0.078 U	0.043 U	20.3
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	0.27	3.16	**29.4**	0.12	0.20 UJ	9.35	NA	15.6	3.19	0.032	11.5	0.91 U	0.078 UJ	0.043 UJ	17.3
EMW-5S	EMW-5S-7.50	6/13/2013	7 - 8	0.69	2.44	22.8	0.11	0.20 UJ	5.52	NA	10.5	4.79	**0.074**	4.87	0.91 U	0.078 UJ	0.043 UJ	16.9
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	0.37	2.93	**33.1**	0.17	0.20 UJ	8.12	NA	13.2	2.89	0.021	6.41	0.91 U	0.078 UJ	**0.071**	21.1
EMW-6S	EMW-6S-1.0	6/12/2013	0.5 - 1.5	0.79	3.72	**39.5**	0.12	0.20 U	9.67	NA	20.3	17.9	0.017	12.1	0.91 U	0.078 U	0.043 U	33.1
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	0.22	2.05	13.3	0.086 U	0.20 U	3.91	NA	6.18	1.21	0.006	3.65	0.91 U	0.078 U	0.043 U	11.3
EMW-6S	EMW-6S-10.0	6/12/2013	9.5 - 10.5	0.35	2.03	**24.1**	0.11	0.20 U	8.35	NA	14.8	2.68	0.029	6.51	0.91 U	0.078 U	0.043 U	16.1
EMW-7S	EMW-7S-1.0	6/13/2013	0.5 - 1.5	**6.26**	**13.2**	**62.6**	0.16	0.92	13.2	NA	29.5	**58.5**	0.029	11	0.91 U	**0.10**	0.043 UJ	**93**
EMW-7S	EMW-7S-5.0	6/13/2013	4.5 - 5.5	0.50	1.33	12.5	0.086 U	0.20 UJ	5.12	NA	6.89	1.17	0.005	3.45	0.91 U	0.078 UJ	0.043 UJ	11.7
EMW-7S	EMW-7S-10.0	6/13/2013	9.5 - 10.5	0.46	3.67	**32.3**	0.23	0.20 UJ	9.88	NA	17.4	2.97	**0.13**	10.3	0.91 U	0.078 UJ	0.043 UJ	25.6
EMW-7S	EMW-7S-12.5	6/13/2013	12 - 13	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.03	NA	NA	NA	NA	NA
EMW-8S	EMW-8S-1.0	6/12/2013	0.5 - 1.5	1.95	5.55	**37.9**	0.14	0.20 U	10.2	NA	15.6	4.15	0.021	15.9	0.91 U	0.078 U	0.043 U	29
EMW-8S	EMW-8S-5.0	6/12/2013	4.5 - 5.5	0.13	3.02	15.3	0.086 U	0.20 U	4.48	NA	7.41	1.48	0.012	4.17	0.91 U	0.078 U	0.043 U	18.7
EMW-8S	EMW-8S-10.0	6/12/2013	9.5 - 10.5	0.11 U	1.69	20.4	0.094	0.20 U	5.68	NA	7.93	1.59	0.013	5.47	0.91 U	0.078 U	0.043 U	14.2
EMW-9S	EMW-9S-1.0	6/13/2013	0.5 - 1.5	1.55	5.06	**31**	0.11	0.20 UJ	9.26	NA	13.4	3.86	0.013	12	0.91 U	0.078 UJ	**0.052**	19.3
EMW-9S	EMW-9S-5.0	6/13/2013	4.5 - 5.5	**113**	**184**	**72.6**	0.22	0.39	16.5	NA	**148**	**154**	0.045	18.7	0.91 U	**0.23**	**0.11**	**465**
EMW-9S	EMW-9S-10.0	6/13/2013	9.5 - 10.5	2.7	4.35	**35.5**	0.18	0.20 UJ	9.54	NA	17.9	4.36	0.042	5.87	0.91 U	0.078 UJ	**0.057**	21.3
EMW-10D	EMW-10D-1.0'	6/19/2013	0.5 - 1.5	**58.1**	**90.6**	**34.5**	0.15	0.24	10.7	NA	**111**	**80.9**	0.025	17	0.92 UJ	**0.16**	**0.084**	**247**
EMW-10D	EMW-10D-5.0'	6/19/2013	4.5 - 5.5	0.34	3.1	19.2	0.09 U	0.2 U	4.59	NA	13.1	11	0.029	4.35	0.92 UJ	0.078 UJ	0.044 UJ	26.4
EMW-10D	EMW-10S-5.0'(dupl.)	6/19/2013	4.5 - 5.5	2.06	2.64	21.9	0.09 U	0.2 U	5.01	NA	10.5	11.9	0.016	5.28	0.92 UJ	0.078 UJ	0.044 UJ	25.3
EMW-10D	EMW-10D-10.0'	6/19/2013	9.5 - 10.5	0.22	3.76	**38.3**	0.2	0.2 U	9.08	NA	17.6	5.31	0.045	7.05	0.92 UJ	0.078 UJ	**0.073**	24.7
EMW-10D	EMW-10D-15.0'	6/19/2013	14.5 - 15.5	0.11 UJ	2.95	18	0.13	0.2 U	6.93	NA	14.1	1.58	0.014	6.96	0.92 UJ	0.078 UJ	0.044 UJ	17.6
EMW-10D	EMW-10D-35.0'	6/19/2013	34.5 - 35.5	0.11 UJ	0.90	15.6	0.11	0.2 U	4.91	NA	8.75	1	0.006	5.45	0.92 UJ	0.078 UJ	0.044 UJ	16.1
EMW-11S	EMW-11S-1.0	6/12/2013	0.5 - 1.5	0.43	2.77	**34.8**	0.12	0.20 U	10.9	NA	11.4	2.42	0.016	18.4	0.91 U	0.078 U	0.043 U	19.3
EMW-11S	EMW-11S-5.0	6/12/2013	4.5 - 5.5	0.14	1.86	**75.7**	0.11	0.20 U	17.2	NA	10.2	2.18	0.014	18.7	0.91 U	0.078 U	0.043 U	18.3
EMW-11S	EMW-11S-10.0	6/12/2013	9.5 - 10.5	0.11 U	1.25	14.2	0.08	0.20 U	4.87	NA	5.83	1.09	0.008	7.17	0.91 U	0.078 U	0.043 U	14.4
EMW-12S	EMW-12S-1.0	6/11/2013	0.5 - 1.5	1.35	5.1	**32.1**	0.14	0.20 U	10	NA	15.3 E	4.55	0.018	14.1	0.91 U	0.078 U	0.043 UJ	28.1
EMW-12S	EMW-12S-5.0	6/11/2013	4.5 - 5.5	2.55	6.46	**31.9**	0.12	0.20 U	21.3	NA	15.3 E	5.46	0.018	18	0.91 U	0.078 U	0.043 UJ	31.3
EMW-12S	EMW-12S-10.0	6/11/2013	9.5 - 10.5	0.16	2.41	**23.7**	0.14	0.20 U	6.3	NA	11.6 E	1.75	0.048	5	0.91 U	0.078 U	0.043 UJ	14
EMW-12S	EMW-12S-15.0	6/11/2013	14.5 - 15.5	0.11 U	5.79	**29.3**	0.09	0.20 U	4.46	NA	7.28 E	1.34	0.008	5.56	0.91 U	0.078 U	**0.066**	12.7
EMW-13S	EMW-13S-1.0	6/11/2013	0.5 - 1.5	4.01	**10.1**	**35.9**	0.13	0.20 U	9.59	NA	19.5 E	9.48	0.016	12.3	0.91 U	0.078 U	**0.087**	45.7
EMW-13S	EMW-13S-5.0	6/11/2013	4.5 - 5.5	0.21	2.1	**37.2**	0.15	0.20 U	13.2	NA	9.91 E	3.4	0.012	25.5	0.91 U	0.078 U	**0.053**	26.6
EMW-13S	EMW-13S-7.5	6/11/2013	7 - 8	**88.5**	**148**	**77.7**	0.24	0.67	22.4	NA	**125** E	**192**	**0.45**	21.8	0.91 U	**0.26**	**0.11**	**503**
EMW-13S	EMW-13S-12.5	6/11/2013	12 - 13	1.52	6.73	**37.5**	NA	NA	NA	NA	12.9	**86.2**	0.07	NA	NA	0.078 UJ	**0.052**	75.4
EMW-14D	EMW-14D-1.0'	6/17/2013	0.5 - 1.5	0.13	2.54	**37.6**	0.18	0.20 U	10.2	NA	14.4	2.41	0.027	17.4	0.91 U	0.078 U	0.043 U	20.2
EMW-14D	EMW-14D-5.0'	6/17/2013	4.5 - 5.5	**68.8**	**143**	**55.4**	0.19	0.42	17.4	NA	**93.7**	**113**	0.055	20	0.91 U	**0.18**	**0.049**	**351**
EMW-14D	EMW-14D-10.0'	6/17/2013	9.5 - 10.5	**257**	**479**	**66.8**	0.33	0.97	26.2	NA	**332**	**490**	**0.073**	18.5	0.91 U	**0.6**	**0.15**	**1,470**
EMW-14D	EMW-14D-15.0'	6/17/2013	14.5 - 15.5	0.75	1.23	14.8	NA	NA	NA	NA	8.12	1.15	0.007	NA	NA	0.078 U	0.043 UJ	21.8

Table 1
Soil Sample Analytical Results - Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Approximate Sample Depth (Feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.0**	**7.0**	**100.6**	**160**	**1.0**	**117**	**240**	**36**	**25**	**2.0**	**48**	**0.91**	**400**	**NV**	**86**
Preliminary Soil Screening Levels[b] (mg/kg)				**5.0**	**7.0**	**23.1**	**10**	**1.0**	**117**	**0.10**	**36**	**25**	**0.07**	**38**	**0.91**	**0.079**	**0.044**	**86**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.42**	**0.11**	**0.052**	**0.086**	**0.20**	**0.47**	**0.10**	**0.071**	**0.050**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
EMW-15D	EMW-15D-1.0'	6/18/2013	0.5 - 1.5	3.37	**10.3**	**49.8**	0.18	0.24	15.9	NA	16 E	10.7	0.025	24.2	0.91 U	0.078 UJ	**0.055**	35.7
EMW-15D	EMW-15D-5.0'	6/18/2013	4.5 - 5.5	**13.5**	**28.2**	**66.8**	0.16	0.40	17.6	NA	29.8 E	**81.8**	**0.25**	22.5	0.91 U	0.078 UJ	0.043 UJ	**150**
EMW-15D	EMW-15D-10.0'	6/18/2013	9.5 - 10.5	**60**	**68.4**	**70.6**	0.23	0.58	26.5	NA	**99.7** E	**141**	**0.18**	23.4	0.91 U	**0.23**	**0.079**	**325**
EMW-15D	EMW-15D-15.0'	6/18/2013	14.5 - 15.5	**59.4**	**125**	**42.8**	NA	NA	NA	NA	**93.2** E	**148**	0.069	NA	NA	**0.28**	0.044 UJ	**486**
EMW-16D	EMW-16D-1.0'	6/18/2013	0.5 - 1.5	**12.4**	**24.3**	**41.2**	0.15	0.29	12.7	NA	33.7 E	**26.3**	0.044	18.8	0.91 U	0.078 UJ	**0.048**	**103**
EMW-16D	EMW-16D-5.0'	6/18/2013	4.5 - 5.5	**7.93**	**18.2**	**32.2**	0.13	0.23	14.3	NA	**49.7** E	21.8	0.036	**43.8**	0.91 U	**0.099**	**0.06**	**114**
EMW-16D	EMW-16D-10.0'	6/18/2013	9.5 - 10.5	0.47	2.14	**29.9**	0.16	0.20 UJ	10.9	NA	14.1	2.16	0.025	6.84	0.91 U	0.078 UJ	0.043 UJ	19.9
FMW-1	FB-1-2	4/23/1990	2	NA	1.34	NA	NA	0.2 U	10	NA	10.7	2 U	NA	7	NA	NA	NA	19.9
FMW-1	FB-1-7	4/23/1990	7	NA	4.7	NA	NA	0.2 U	17.4	NA	24	4	NA	13	NA	NA	NA	30.5
FMW-1	FB-1-13	4/23/1990	13	NA	3.2	NA	NA	0.2 U	16.1	NA	19.6	3 U	NA	13	NA	NA	NA	31.7
FMW-2	FB-2-2	4/20/1990	2	NA	**14.8**	NA	NA	**1.4**	16	NA	27.7	15	NA	10	NA	NA	NA	**106**
FMW-2	FB-2-5.5	4/20/1990	5.5	NA	1.33	NA	NA	0.2 U	10.6	NA	9.3	3 U	NA	7	NA	NA	NA	21.1
FMW-2	FB-2-8	4/20/1990	8	NA	1.64	NA	NA	0.2 U	10.4	NA	11.5	3 U	NA	9	NA	NA	NA	25.4
FMW-2	FB-2-18.5	4/20/1990	18.5	NA	3.9	NA	NA	0.2 U	10.4	NA	9.8	3 U	NA	8	NA	NA	NA	23.8
FMW-3	FB-3-3	4/23/1990	3	NA	1.98	NA	NA	0.2 U	10.8	NA	11.7	2 U	NA	14	NA	NA	NA	23.8
FMW-3	FB-3-3.5	4/23/1990	3.5	NA	2.28	NA	NA	0.4	11.3	NA	13	4	NA	11	NA	NA	NA	25.4
FMW-3	FB-3-13.5	4/23/1990	13.5	NA	1.91	NA	NA	0.2 U	11.2	NA	13.7	3 U	NA	8	NA	NA	NA	21.8
FB-4	FB-4-2	4/20/1990	2	NA	1.5	NA	NA	0.2 U	8.6	NA	8.6	3 U	NA	7	NA	NA	NA	21.9
FB-4	FB-4-8	4/20/1990	8	NA	3.1	NA	NA	0.2 U	16	NA	19.7	3 U	NA	12	NA	NA	NA	28.4
FB-4	FB-4-11	4/20/1990	11	NA	**9.7**	NA	NA	0.3 U	13.3	NA	19.6	3 U	NA	9	NA	NA	NA	26
FB-5	FB-5-2	4/20/1990	2	NA	3.02	NA	NA	0.2 U	21.4	NA	12	3 U	NA	26	NA	NA	NA	28
FB-5	FB-5-8	4/20/1990	8	NA	1.82	0.3 U	NA	0.3 U	11.3	NA	14.4	3 U	NA	7	NA	NA	NA	23
FB-5	FB-5-11	4/20/1990	11	NA	1.31	NA	NA	0.3 U	12.2	NA	14.6	3 U	NA	8	NA	NA	NA	0.3
HA-1	HA1-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	**30**	NA	NA	NA	NA	NA	NA
HA-1	HA1-5.0-5.5	7/6/1994	5 - 5.5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-2	HA2-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA	NA
HA-3	HA3-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	23	NA	NA	NA	NA	NA	NA
HA-3	HA3-5	7/5/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-4	HA4-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	16	NA	NA	NA	NA	NA	NA
HA-4	HA4-5	7/5/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA	NA
HA-5	HA5-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA	NA
HA-5	HA5-5	7/5/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-6	HA6-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	**30**	NA	NA	NA	NA	NA	NA
HA-6	HA6-5	7/5/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-7	HA7-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	16	NA	NA	NA	NA	NA	NA
HA-7	HA7-5	7/5/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-8	HA8-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA	NA
HA-8	HA8-5	7/5/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	**40**	NA	NA	NA	NA	NA	NA
HA-9	HA9-1	7/5/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	**34**	NA	NA	NA	NA	NA	NA
HA-9	HA9-5	7/6/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-10	HA10-1	7/6/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	22	NA	NA	NA	NA	NA	NA
HA-10	HA10-5	7/6/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-11	HA11-1.5	7/6/1994	1.5	NA	NA	NA	NA	NA	NA	NA	NA	**26**	NA	NA	NA	NA	NA	NA
HA-11	HA11-5.5-6.0	7/6/1994	5.5 - 6	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-12	HA12-1	7/6/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	**26**	NA	NA	NA	NA	NA	NA
HA-12	HA12-5	7/6/1994	5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-13	HA13-1	7/6/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HA-13	HA13-5.5-6.0	7/6/1994	5.5 - 6	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
HC-1	HC1-S1	11/7/1988	2.5	NA	**1,600**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1	HC1-S3	11/7/1988	5 - 6	NA	**16**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1A	HC1A-S4	11/7/1988	4	NA	**9.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1A	HC1A-S7	11/7/1988	7	NA	**23**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**105**
HC-2	HC2-S2	11/7/1988	NR	1 U	0.2 U	NA	0.01 U	0.01 U	0.1 U	NA	0.1 U	0.1 U	0.005 U	0.1 U	0.2 U	0.1 U	1 U	0.1 U

Table 1
Soil Sample Analytical Results - Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Approximate Sample Depth (Feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.0**	**7.0**	**100.6**	**160**	**1.0**	**117**	**240**	**36**	**25**	**2.0**	**48**	**0.91**	**400**	**NV**	**86**
Preliminary Soil Screening Levels[b] (mg/kg)				**5.0**	**7.0**	**23.1**	**10**	**1.0**	**117**	**0.10**	**36**	**25**	**0.07**	**38**	**0.91**	**0.079**	**0.044**	**86**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.42**	**0.11**	**0.052**	**0.086**	**0.20**	**0.47**	**0.10**	**0.071**	**0.050**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
HC-5	HC5-0.5	1/16/1989	0.5	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-5	HC5-3.0	1/16/1989	3	NA	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-6	HC6-2.5	1/17/1989	2.5	NA	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-6	HC6-4.0	1/17/1989	4	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-6	HC6-6.5	1/17/1989	6.5	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-6	HC6-8.0	1/17/1989	8	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-7	HC7-2.5	1/17/1989	2.5	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-7	HC7-4.0	1/17/1989	4	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-7	HC7-6.5	1/17/1989	6.5	NA	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-8	HC8-2.5	1/18/1989	2.5	NA	**14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-8	HC8-4.0	1/18/1989	4	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-8	HC8-6.5	1/18/1989	6.5	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-9	HC9-2.5	1/17/1989	2.5	NA	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-9	HC9-4.0	1/17/1989	4	NA	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-10	HC10-2.5	1/18/1989	2.5	NA	**82**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-10	HC10-4.0	1/18/1989	4	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-10	HC10-6.5	1/18/1989	6.5	NA	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-11	HC11-2.5	1/17/1989	2.5	NA	**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-11	HC11-4.0	1/17/1989	4	NA	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-11	HC11-6.5	1/17/1989	6.5	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-12	HC12-2.5	1/17/1989	2.5	NA	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**160**
HC-12	HC12-4.0	1/17/1989	4	NA	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-12	HC12-6.5	1/17/1989	6.5	NA	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-13	HC13-2.5	1/17/1989	2.5	NA	2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.3
HC-13	HC13-3.7	1/17/1989	3.7	NA	**2,200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-13	HC13-4.1	1/17/1989	4.1	NA	**35**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-13	HC13-6.5	1/17/1989	6.5	NA	**7.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-14	HC14A-S1	2/13/1989	4	NA	**2,800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-15	HC15A-S1	2/13/1989	5	NA	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-16	HC16-S1	2/13/1989	6	NA	**770**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-17	HC17-S1	2/13/1989	2.5	NA	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-17	HC17-S2	2/13/1989	4	NA	**68**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-18	HC18-S2	2/13/1989	8	NA	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-19	HC19-S1	6/23/1989	3	NA	**16**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-19	HC19-S2	6/23/1989	5.5	NA	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-20	HC20-S1	6/23/1989	3	NA	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-20	HC20-S2	6/23/1989	5.5	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-101	HC101-S1	8/22/1990	3.5	NA	4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-101	HC101-S3	8/22/1990	8.5	NA	5.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-101	HC101-S4	8/22/1990	11	NA	5.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-102	HC102-S1	8/20/1990	3.5	NA	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-102	HC102-S3	8/20/1990	8.5	NA	5.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-102	HC102-S4	8/20/1990	11.5	NA	5.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S3	8/21/1990	6.5	NA	4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S4	8/21/1990	8.5	NA	**75**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S5	8/21/1990	9.8	NA	5.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S5D(dupl.)	8/21/1990	10.8	NA	5.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S6	8/21/1990	10.8	NA	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S7	8/21/1990	13.5	NA	5.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-104	HC104-S2	8/20/1990	5.2	NA	**26**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-104	HC104-S3	8/20/1990	6.2	NA	5.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-104	HC104-S4	8/20/1990	8.5	NA	**8.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-104	HC104-S5	8/20/1990	11	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.0**	**7.0**	**100.6**	**160**	**1.0**	**117**	**240**	**36**	**25**	**2.0**	**48**	**0.91**	**400**	**NV**	**86**
Preliminary Soil Screening Levels[b] (mg/kg)				**5.0**	**7.0**	**23.1**	**10**	**1.0**	**117**	**0.10**	**36**	**25**	**0.07**	**38**	**0.91**	**0.079**	**0.044**	**86**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.42**	**0.11**	**0.052**	**0.086**	**0.20**	**0.47**	**0.10**	**0.071**	**0.050**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
HC-105	HC105-S2	8/22/1990	6	NA	4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-105	HC105-S3	8/22/1990	8.5	NA	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-105	HC105-S4	8/22/1990	11.3	NA	4.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-105	HC105-S5	8/22/1990	13.5	NA	5.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S1	8/21/1990	3.5	NA	**330**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S2	8/21/1990	5.3	NA	**860**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S3	8/21/1990	7.5	NA	4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S3D(dupl.)	8/21/1990	7.5	NA	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S4	8/21/1990	11	NA	4.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S5	8/21/1990	13.5	NA	5.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S1	8/21/1990	3	NA	**74**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S2	8/21/1990	5.5	NA	4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S3	8/21/1990	7	NA	4.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S4	8/21/1990	10	NA	4.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S5	8/21/1990	13	NA	4.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S3	8/22/1990	6	NA	4.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S4	8/22/1990	8	NA	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S5	8/22/1990	10	NA	5.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S6	8/22/1990	13	NA	4.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-109	HC109-S2	8/21/1990	NR	NA	**53**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-109	HC109-S3	8/21/1990	NR	NA	4.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-109	HC109-S5	8/21/1990	NR	NA	4.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S1	8/21/1990	2.5	NA	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S3	8/21/1990	5.5	NA	5.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S4	8/21/1990	7	NA	5.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S5	8/21/1990	10	NA	4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1 (1994)	MW1-1.0-1.5	7/6/1994	1 - 1.5	NA	NA	NA	NA	NA	NA	NA	NA	**32**	NA	NA	NA	NA	NA	NA
MW-1 (1994)	MW1-5.5-6.0	7/6/1994	5.5 - 6	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
MW-2	MW2-1.5-2.0	7/6/1994	1.5-2.0	NA	NA	NA	NA	NA	NA	NA	NA	25	NA	NA	NA	NA	NA	NA
MW-2	MW2-6.0-6.5	7/6/1994	6.0-6.5	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
MW-3	MW3-1.0	7/6/1994	1	NA	NA	NA	NA	NA	NA	NA	NA	25	NA	NA	NA	NA	NA	NA
MW-3	MW3-5.5-6.0	7/6/1994	5.5 - 6	NA	NA	NA	NA	NA	NA	NA	NA	21	NA	NA	NA	NA	NA	NA
SB-1	SB1-0-1FT	12/16/2009	0 - 1	NA	1.1 U	**98**	NA	0.75	13	NA	NA	**40**	0.035	NA	**2.2**	0.54 U	NA	NA
SB-1	SB1-4-5FT	12/16/2009	4 - 5	NA	2.2	**45**	NA	0.31	11	NA	NA	11	0.022 U	NA	1.1 U	0.54 U	NA	30.2
SB-2	SB2-0-1FT	12/16/2009	0 - 1	NA	2	**52**	NA	0.26 U	11	NA	NA	1.4	0.02 U	NA	1 U	0.51 U	NA	NA
SB-2	SB2-4-5FT	12/16/2009	4 - 5	NA	**8.2**	**150**	NA	**3.2**	17	NA	NA	**110**	0.062	NA	**5.7**	0.57 U	NA	42.1
SB-3	SB3-0-1FT	12/16/2009	0 - 1	NA	NA	**130**	NA	0.77	44	NA	NA	**44**	0.034	NA	**2.2**	0.54 U	NA	NA
SB-3	SB3-4-5FT	12/16/2009	4 - 5	NA	1.1 U	**33**	NA	0.28 U	6.2	NA	NA	11	0.022 U	NA	1.1 U	0.55 U	NA	67.2
SB-4	SB4-0-1FT	12/16/2009	0 - 1	NA	1.1 U	**89**	NA	1	18	NA	NA	**40**	0.029	NA	**2.2**	0.54 U	NA	NA
SB-4	SB4-4-5FT	12/16/2009	4 - 5	NA	2.1	**34**	NA	0.27 U	7.1	NA	NA	6.1	0.021 U	NA	1.1 U	0.54 U	NA	42.1
SB-5	SB5-0-1FT	12/16/2009	0 - 1	NA	1.1 U	**73**	NA	0.57	14	NA	NA	**40**	0.022 U	NA	1.1 U	0.56 U	NA	NA
SB-5	SB5-4-5FT	12/16/2009	4 - 5	NA	1.1 U	**39**	NA	0.28 U	9.2	NA	NA	6.5	0.022 U	NA	1.1 U	0.56 U	NA	35.5
SB-6	SB6-0-1FT	12/16/2009	0 - 1	NA	**7.4**	**89**	NA	0.76	19	NA	NA	**27**	0.052	NA	**2.3**	0.57 U	NA	**460**
SB-6	SB6-4-5FT	12/16/2009	4 - 5	NA	1.1 U	**24**	NA	0.27 U	7.2	NA	NA	0.72	0.021 U	NA	1.1 U	0.53 U	NA	25.1
SB-7	SB7-0-1FT	12/16/2009	0 - 1	NA	1 U	**60**	NA	0.26 U	18	NA	NA	8.6	0.021 U	NA	**5.2**	0.52 U	NA	23.7
SB-7	SB7-4-5FT	12/16/2009	4 - 5	NA	5.6	**49**	NA	0.54	6.8	NA	NA	21	0.022 U	NA	**5.6**	0.56 U	NA	33.1
SB-8	SB8-0-1FT	12/16/2009	0 - 1	NA	1.1 U	**64**	NA	0.6	17	NA	NA	**29**	0.043	NA	1.1 U	0.54 U	NA	85
SB-8	SB8-4-5FT	12/16/2009	4 - 5	NA	1.3 U	**43**	NA	0.32 U	10	NA	NA	0.78	0.026 U	NA	1.3 U	0.65 U	NA	**86.7**
SB-9	SB9-0-1FT	12/16/2009	0 - 1	NA	1.2 U	**260**	NA	**1.3**	18	NA	NA	**94**	**0.13**	NA	**6**	0.6 U	NA	50.3
SB-9	SB9-4-5FT	12/16/2009	4 - 5	NA	1.2 U	**52**	NA	0.31 U	15 JK	NA	NA	3.1	0.032	NA	**9.6**	0.62 U	NA	61.4
SB-10	SB10-1-0FT	12/16/2009	0 - 1	NA	3.4	**170**	NA	1	29	NA	NA	**75**	**0.072**	NA	**16**	0.55 U	NA	NA
SB-10	SB10-4-5FT	12/16/2009	4 - 5	NA	1.2 U	**48**	NA	0.31 U	17	NA	NA	6.2	0.025 U	NA	**9**	**1.7**	NA	56.2
SB-11	SB11-0-1FT	12/16/2009	0 - 1	NA	5.4	**64**	NA	0.27 U	14	NA	NA	20	0.021 U	NA	**17**	0.54 U	NA	NA
SB-11	SB11-4-5FT	12/16/2009	4 - 5	NA	1.3 U	**49**	NA	0.32 U	14 U	NA	NA	2.3	0.026 U	NA	**9**	0.64 U	NA	22.5
SCV	SCV-12'	7/17/2012	12	**11.6**	**19.1**	NA	0.21 U	0.24	9.78	NA	31.7	**56.4**	0.039	13.4	0.69 U	**0.10**	**0.052**	84.3

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Seattle, Washington

Location	Sample ID	Sample Date	Approximate Sample Depth (Feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.0**	**7.0**	**100.6**	**160**	**1.0**	**117**	**240**	**36**	**25**	**2.0**	**48**	**0.91**	**400**	**NV**	**86**
Preliminary Soil Screening Levels[b] (mg/kg)				**5.0**	**7.0**	**23.1**	**10**	**1.0**	**117**	**0.10**	**36**	**25**	**0.07**	**38**	**0.91**	**0.079**	**0.044**	**86**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.42**	**0.11**	**0.052**	**0.086**	**0.20**	**0.47**	**0.10**	**0.071**	**0.050**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
SLR-1	SLR1-1	8/22/2011	1 - 1.5	0.60	3.56	NA	0.28 U	0.23	6.02	NA	8.09	5.45	0.025 U	5.54	0.85 U	0.27 U	0.13 U	17.6
SLR-1	SLR1-6	8/22/2011	6 - 6.5	0.16 U	2.75	NA	0.28 U	0.15 U	9.02	NA	18.4	2.96	0.035	7.37	0.85 U	0.27 U	0.13 U	18.3
SLR-1	SLR1-10	8/22/2011	10 - 10.5	0.20	3.57	NA	0.28 U	0.16	10.1	NA	18.2	3.74	**0.11**	7.55	0.85 U	0.27 U	0.13 U	19
SLR-2	SLR2-1	8/19/2011	1 - 1.5	0.27	3.55	NA	0.28 U	0.15 U	6.58	NA	9.97	17.2	0.049	4.61	0.85 U	0.27 U	0.13 U	62.9
SLR-2	SLR2-6	8/22/2011	6 - 6.5	0.89	3.82	NA	0.28 U	0.67	16.3	NA	**52.1**	**41.2**	**0.13**	9.17	0.85 U	0.27 U	0.13 U	**348**
SLR-2	SLR2-10	8/19/2011	10 - 10.5	0.23	5.69	NA	0.31	0.28	13.7	NA	26.2	5.21	0.043	12.4	0.85 U	0.27 U	0.13 U	36.8
SLR-3	SLR3-1	8/19/2011	1 - 1.5	3.12	6.94	NA	0.28 U	**1.73**	17.5	NA	**36.2**	**105**	**0.071**	17.6	0.85 U	0.27 U	0.13 U	**321**
SLR-3	SLR3-6	8/22/2011	6 - 6.5	0.42	2.6	NA	0.28 U	0.16	8.11	NA	14.6	2.65	0.029	6.53	0.85 U	0.27 U	0.13 U	23.4
SLR-3	SLR3-10	8/19/2011	10 - 10.5	0.16 U	2.06	NA	0.28 U	0.15 U	6.96	NA	12.7	1.83	0.051	4.2	0.85 U	0.27 U	0.13 U	14
SLR-4	SLR4-1	8/19/2011	1 - 1.5	0.16 U	2.02	NA	0.28 U	0.15 U	10	NA	9.26	2.07	0.025 U	17.2	0.85 U	0.27 U	0.13 U	20.8
SLR-4	SLR4-5	8/19/2011	5 - 5.5	0.75	3.57	NA	0.28 U	0.16	11.2	NA	9.98	2.56	0.025 U	19.5	0.85 U	0.27 U	0.13 U	22.9
SLR-4	SLR4-10	8/19/2011	10 - 10.5	0.16 U	2.36	NA	0.28 U	0.17	7.86	NA	12.4	2.23	0.025 U	5.94	0.85 U	0.27 U	0.13 U	19.2
SLR-5	SLR5-3	8/22/2011	3 - 3.5	0.36	2.64	NA	0.28 U	0.20	7.91	NA	22.2	8.75	0.033	7.31	0.85 U	0.27 U	0.13 U	29.6
SLR-5	SLR5-6	8/22/2011	6 - 6.5	0.73	2.35	NA	0.28 U	0.15 U	8.35	NA	16.1	2.32	0.028	6.98	0.85 U	0.27 U	0.13 U	22.6
SLR-5	SLR5-10	8/22/2011	10 - 10.5	0.18	1.16	NA	0.28 U	0.15 U	6.17	NA	11.3	3.91	0.025 U	4.94	0.85 U	0.27 U	0.13 U	22.3
SLR-6	SLR6-1	8/19/2011	1 - 1.5	0.45	4.67	NA	0.28 U	0.21	8.33	NA	12.4	12.8	0.035	6.12	0.85 U	0.27 U	0.13 U	42.7
SLR-6	SLR6-5	8/19/2011	5 - 5.5	0.16 U	2.54	NA	0.28 U	0.15 U	8.85	NA	14.9	2.48	0.025 U	6.91	0.85 U	0.27 U	0.13 U	61.5
SLR-6	SLR6-10	8/19/2011	10 - 10.5	0.20	4.3	NA	0.28 U	0.15 U	8.95	NA	17.9	2.48	0.033	7.2	0.85 U	0.27 U	0.13 U	19.2
SLR-7	SLR7-1	8/22/2011	1 - 1.5	0.16 U	1.4	NA	0.28 U	0.15 U	4.34	NA	6.27	1.24	0.033	3.6	0.85 U	0.27 U	0.13 U	12.6
SLR-7	SLR7-5	8/22/2011	5 - 5.5	4.78	**7.65**	NA	0.28 U	0.50	8.55	NA	27.4	21.3	0.036	11.5	0.85 U	0.27 U	0.13 U	58.6
SLR-7	SLR7-10	8/22/2011	10 - 10.5	0.20	3.46	NA	0.28 U	0.15	9.95	NA	17.4	3.11	0.039	6.95	0.85 U	0.27 U	0.13 U	18.2
SS-1	SS1	11/8/1988	0 - 0.5	1 U	0.2 U	NA	0.01 U	0.01 U	0.1 U	NA	0.1 U	0.1 U	0.005 U	0.1 U	0.2 U	0.1 U	1 U	2
SS-2	SS2	11/8/1988	0 - 0.5	1 U	0.2 U	NA	0.01 U	0.01 U	0.1 U	NA	0.1 U	0.1 U	0.005 U	0.1 U	0.3	0.1 U	1 U	0.4
SS-3	SS3	11/8/1988	0 - 0.5	1 U	0.2 U	NA	0.01 U	0.01 U	0.1 U	NA	0.1 U	0.1 U	0.005 U	0.1 U	0.2 U	0.1 U	1 U	0.7
SS-4	SS4	11/8/1988	0 - 0.5	1 U	0.2 U	NA	0.01 U	0.01 U	0.1 U	NA	0.1 U	0.1 U	0.005 U	0.1 U	0.2 U	0.1 U	1 U	1.5
SS-5	SS5	11/8/1988	0 - 0.5	1 U	0.2 U	NA	0.01 U	0.01	0.1 U	NA	0.1 U	0.1 U	0.005 U	0.1 U	0.2 U	0.1 U	1 U	1.5
Trench 1-1	TRENCH1-1-8'	7/19/2012	8	1.02	4.04	NA	0.21 U	0.20	8.31	NA	13.3	12.3	0.052	7.5	0.69 U	0.049	**0.061**	48
Trench 1-2	TRENCH1-2-9'	7/19/2012	9	1.32	4.79	NA	0.21 U	0.45	9.32	NA	21.8	**37.4**	**0.18**	7.96	0.69 U	0.064	**0.07**	**87.7**
Trench 2-1	TRENCH2-1-8'	7/24/2012	8	0.15	2.65	NA	0.21	0.14	8.68	NA	13.5	2.26	**0.17**	6.53	0.69 U	0.079	**0.054**	19.9
Trench 4-1	TRENCH4-1-3.0'	7/26/2012	3	0.21	1.62	NA	0.21 U	0.12	3.81	NA	7.31	1.72	0.014	3.33	0.28 U	0.039 U	0.047 U	12.5

Notes:

Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels.
Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels.
Non-detected values highlighted in blue exceed the preliminary soil cleanup levels.
mg/kg = milligrams per kilogram.
NA = Not analyzed
NR = Not recorded
NV = No available value.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
JK = The laboratory report noted taht the analyte was positively identified and the reported result is an estimate with unknown bias.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 2
Soil Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benz[a]anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	Total cPAHs (U=1/2 MRL)	Total cPAHs (U=0)
Preliminary Soil Cleanup Levels[a] (mg/kg)				4,800	4,800	24,000	0.00040	0.13	1.37	0.031	13.7	0.004	0.14	3,200	3,200	1.37	1,600	0.10	2,400	NV	NV
Preliminary Soil Screening Levels[b] (mg/kg)				0.017	0.069	0.22	0.00040	0.00022	0.00063	0.031	0.00065	0.003	0.0010	0.16	0.024	0.0009	0.00047	0.10	1.0	NV	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)				0.00014	0.000091	0.000088	0.00018	0.00022	0.00018	0.00034	0.00036	0.00019	0.00034	0.00028	0.00015	0.00062	0.00022	0.00032	0.00026	NV	NV
CMW-1	CMW-1-5	6/12/2008	5	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.00755	0
CMW-2	CMW-2A-4	6/12/2008	4	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.00755	0
CMW-3	CMW-3-5	6/12/2008	5	**0.76**	0.1 U	**23**	**1**	**0.78**	**0.82**	**0.46**	**0.37**	**3.2**	0.01 U	**2.6**	**1.9**	**0.46**	**0.9**	**3.7**	**2**	1.0775	1.077
CMW-3	CMW-3-10	6/12/2008	10	0.01 U	0.01 U	0.01 U	**0.011**	0.01 U	0.01 U	0.01 U	0.01 U	**0.014**	0.01 U	0.021	0.01 U	0.01 U	0.01 U	0.021	0.025	0.00824	0.00124
CMW-4	CMW-4-5	6/13/2008	5	**0.019**	0.033	0.066	**0.18**	**0.24**	**0.34**	**0.26**	**0.11**	**0.34**	**0.05**	**0.35**	0.019	0.3 U	**0.013**	**0.23**	0.35	0.3264	0.3114
CMW-5	CMW-5-5	6/13/2008	5	0.011	0.01 U	0.064	**0.081**	**0.076**	**0.1**	**0.074**	**0.035**	**0.099**	**0.014**	**0.17**	0.01 U	**0.07**	0.01 U	**0.12**	0.17	0.10699	0.10699
CMW-6	CMW-6-5	6/13/2008	5	**0.034**	0.01 U	0.096	**0.33**	**0.35**	**0.37**	**0.19**	**0.12**	**0.36**	**0.05**	**0.7**	**0.039**	**0.19**	**0.018**	**0.43**	0.54	0.4596	0.4596
CMW-7	CMW-7-5	6/13/2008	5	0.01 U	0.1 U	**0.34**	**0.68**	**0.7**	**0.84**	**0.48**	**0.32**	**0.97**	0.01 U	**1.3**	0.01 U	**0.49**	0.01 U	**0.6**	**1.1**	0.9432	0.9427
CMW-7	CMW-7-7	6/13/2008	7	**0.15**	0.1 U	**0.35**	**0.58**	**0.6**	**0.52**	**0.46**	**0.22**	**0.55**	0.01 U	**1.7**	**0.17**	**0.37**	**0.15**	**1.6**	**1.4**	0.775	0.7745
DB1	DB1-5.0	4/17/1990	5	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	**0.086**	0.059 U	**0.086**	**0.12**	0.059 U	0.14	0.059 U	0.059 U	0.059 U	0.073	0.14	0.05675	0.0184
DB1	DB1-6.5	4/17/1990	6.5	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	**0.06**	0.06 U	**0.06**	**0.081**	0.06 U	0.1	0.06 U	0.06 U	0.06 U	0.076	0.1	0.05181	0.01281
DB1	DB1-9.5	4/17/1990	9.5	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.04681	0
DMW2	DB2-3.5	4/17/1990	3.5	0.058 U	0.58 U	0.039 J	**0.027** J	**0.038** J	**0.032** J	**0.054** J	**0.032** J	**0.038** J	0.058 U	0.041 J	0.058 U	**0.048** J	0.058 U	0.043 J	0.046 J	0.05518	0.05228
DMW2	DB2-4.5	4/17/1990	4.5	**0.2** JB	**0.52**	3.7 B	**7.3**	**18**	**36**	**2.8**	**36**	19 B	**6.8**	4.5 B	0.31 U	**14**	**0.22** J	1.3 B	12 B	28.2	28.2
DMW2	DB2-7	4/17/1990	7	4 B	**0.25**	6.2 B	**2.8**	**4.6**	**9.3**	**0.88**	**9.3**	7.3 B	**1.8**	3.2 B	**2.6**	**4.3**	**9**	6.5 B	4.8 B	7.423	7.423
DMW2	DB2-9.5	4/17/1990	9.5	**2.7**	0.075 U	0.87 U	**0.92**	**0.74**	**1.2**	**0.25**	**1.2**	**0.75**	0.075 U	**3.3**	**1.7**	**0.26**	**4.2**	**5.6**	**3.4**	1.10925	1.1055
DMW2	DB2-12	4/17/1990	12	0.073 U	0.075 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.074	0.073 U	0.073 U	0.073 U	**0.17**	0.11	0.05512	0
DMW2	DB2-18	4/17/1990	18	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.076	0.07 U	0.07 U	**0.098**	**0.17**	0.11	0.05285	0
DMW3	DB3-2	4/17/1990	2	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.06191	0
DMW3	DB3-3.5	4/17/1990	3.5	0.42 B	**1.4**	8.1 B	**19**	**25**	**64**	**4.1**	**64**	37 B	**11**	14 B	**0.64**	**26**	**0.68**	3 B	24 B	43.77	43.77
DMW3	DB3-6	4/17/1990	6	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U	0.04757	0
DMW3	DB3-7.5	4/17/1990	7.5	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.05512	0
DMW3	DB3-9	4/17/1990	9	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	0.06493	0
DMW3	DB3-13.5	4/17/1990	13.5	**1.3**	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.052 J	**0.532**	0.066 U	**2.7**	**0.86**	0.044 M	0.04983	0
DMW3	DB3-17	4/17/1990	17	**3.5**	0.078 U	**1.2**	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	**2.1**	**2.9**	0.078 U	**2**	**7.6**	**1.8**	0.05889	0
DB4	DB4-6.0	4/19/1990	6	1.4 B	0.35 U	5.1 B	13 B	**5.2**	**16**	**0.15**	**16**	13 B	**1.3**	22 B	1.4 B	**2.3**	0.23 B	16 B	17 B	10.19	10.19
DB4	DB4-8.5	4/19/1990	8.5	0.29 B	0.13 U	0.93 B	**2.6**	**1.1**	**2.9**	**0.076**	**2.9**	2.6 B	**0.33**	5 B	0.27 B	**0.53**	0.18 B	3.5 B	4.1 B	2.052	2.052
DB4	DB4-11.0	4/19/1990	11	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.06418	0
DB5	DB5-2.0	4/18/1990	2	8.6 B	0.37 U	13 B	**18**	**7.7**	**19**	**0.26** J	**19**	20 B	**1.8**	35 B	**5.9**	**3.4**	**2.4**	33 B	32 B	14.02	14.02
DB5	DB5-8.0	4/18/1990	8	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U	0.04681	0
DB5	DB5-11.0	4/18/1990	11	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U	0.059 J	0.068 U	0.068 U	0.068 U	0.092	0.053 J	0.05134	0
DMW6	DB6-2	4/19/1990	2	4.9 B	0.3 U	16 B	**4.8**	**2.6**	**6.9**	**0.44**	**6.9**	9.9 B	**0.92**	14 B	4 B	**1.6**	7.4 B	17 B	14 B	4.811	4.811
DMW6	DB6-4.5	4/19/1990	4.5	570 B	**13**	910 B	**120**	**53**	**65**	**9.2**	**65**	380 B	**23**	640 B	420 B	**37**	1,600 B	1,400 B	470 B	87.8	87.8
DMW6	DB6-7	4/19/1990	7	43 B	**1.3**	110 B	**25**	**13**	**16**	**6.3**	**16**	40 B	**3.5**	56 B	32 B	**7.2**	130 B	160 B	63 B	20.17	20.17
DMW6	DB6-10	4/19/1990	10	**0.23**	0.078 U	**0.67**	**0.1** M	0.078 U	0.078 U	0.078 U	0.078 U	**0.26**	0.078 U	**0.35**	**0.19**	0.078 U	**0.49**	**0.91**	0.32	0.0672	0.0126
DMW6	DB6-13	4/19/1990	13	**8.5**	**0.19**	**11**	**3.1**	**1.8**	**3**	**0.59**	**3**	**6.7**	**0.36**	**9.3**	**6.3**	**0.82**	**14**	**27**	**8.7**	2.895	2.895
DMW6	DB6-16	4/19/1990	16	**1.2**	0.084 U	**2.5**	**0.39**	**0.2**	**0.4**	0.084 U	**0.4**	**0.92**	0.084 U	**1.5**	**0.92**	0.084 U	**3.2**	**3.3**	**1.8**	0.3366	0.3282
DMW6	DB6-18.5	4/19/1990	18.5	**0.11**	0.093 U	**0.63**	**0.08** M	0.093 U	0.093 U	0.093 U	0.093 U	**0.23**	0.093 U	**0.27**	**0.1**	0.093 U	**0.14** M	**0.59**	0.27	0.0754	0.0103
DB7	DB7-6.0	4/18/1990	6	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	**0.06**	0.06 U	0.06 U	0.052 J	**0.06**	0.06 U	0.06 U	0.058 J	0.054 J	0.0456	0.0006
DB7	DB7-8.5	4/18/1990	8.5	0.31 B	0.027 J	0.57 B	**0.5**	**1.2**	**1.2**	**0.76**	**1.2**	0.85 B	**0.13**	1.3 B	**0.27**	**0.88**	**0.18**	1.6 B	1.5 B	1.5995	1.5995
DB7	DB-7-11.5	4/18/1990	11.5	0.96 B	0.14 U	2.1 B	**1.3**	**0.71**	**2.3**	0.14 U	**2.3**	1.9 B	**0.17**	3.8 B	**0.88**	**0.55**	**1.8**	4.4 B	3.2 B	1.391	1.391
DB8	DB8-5.0	4/19/1990	5	**0.061** J	**0.1**	0.7 B	**1.6**	**3.2**	**8.1**	**0.57**	**8.1**	3.6 B	**1.3**	1.2 B	0.082 B	**2.9**	0.18 B	0.5 B	2.6 B	5.436	5.436
DB8	DB8-8.0	4/19/1990	8	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.05587	0
DB8	DB8-11.0	4/19/1990	11	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.05889	0
DB9	DB9-5.0	4/19/1990	5	0.053 B	0.033	0.2 B	**0.5**	**0.99**	**2.9**	**0.86**	**2.9**	1.5 B	**0.33**	0.77 B	0.041 B	**0.98**	0.092 B	0.53 B	0.72 B	1.766	1.766
DB9	DB9-8.0	4/19/1990	8	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.0521	0
DB9	DB9-11.0	4/19/1990	11	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.06871	0
DB10	DB10-5.0	4/20/1990	5	**0.058** J	0.083 U	0.13	**0.8**	**1.2**	**3.2**	**0.25**	**3.2**	**1.1**	**0.37**	**0.92**	**0.038** J	**1.1**	**0.077** J	**0.44**	**1.4**	2.078	2.078
DB10	DB10-8.0	4/20/1990	8	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.0604	0
DB10	DB10-11.0	4/20/1990	11	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.06267	0
DB11	DB11-6.5	4/18/1990	6.5	0.082 U	0.082 U	0.12 B	**0.13**	**0.43**	**0.48**	**0.19**	**0.48**	0.32 B	**0.087**	0.17 B	0.082 U	**0.38**	**0.058** J	0.12 B	0.23 B	0.5889	0.5889
DB11	DB11-6.5D(dupl.)	4/18/1990	6.5	0.082 U	0.082 U	0.084	**0.12**	**0.17**	**0.33**	**0.23**	**0.33**	**0.47**	**0.054**	0.13	0.082 U	**0.18**	**0.032** J	0.073 J	0.12	0.2761	0.2761
DB11	DB11-8.0D	4/18/1990	8	860 B	**15** J	420 B	**280**	**230**	**510**	**12** J	**510**	320 B	**39**	1,200 B	**630**	**85**	**2,100**	2,200 B	840 B	375.6	375.6
DB11	DB11-9.5	4/18/1990	9.5	**56** K	**2.6**	**35** K	**53** K	**26**	**55** K	**5.3**	**55** K	**51** K	**8**	**130** K	**37** K	**20**	**210** K	**250** K	**100** K	45.61	45.61
DB11	DB11-9.5D(dupl.)	4/18/1990	9.5	190 B	**3.2** J	97 B	**86**	**69**	**159**	**5.7**	**159**	97 B	**7.3**	280 B	**140**	**34**	**450**	460 B	250 B	114.5	114.5
DB12	DB12-5.0	4/26/1990	5	**0.39**	0.089 U	**1**	**1.2**	**0.54**	**1.7**	0.089 U	**1.7**	**1.4**	**0.18**	**3**	**0.45**	**0.38**	**0.11**	**3.5**	**2.2**	1.07	1.07
DB12	DB12-11.5	4/26/1990	11.5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.53 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**4.8**	1.5 U	1.12765	0
DB13	DB13-11.0	4/26/1990	11	**0.041** J	0.076 U	0.087	**0.041**	0.076 U	**0.061**	0.076 U	**0.061**	**0.076**	0.076 U	0.13	**0.033** J	0.076 U	**0.13**	**0.19**	0.12	0.06266	0.01706
DB14	DB14-9.5	4/26/1990	9.5	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.05361	0
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	0.0014 U	0.0017	0.0046	**0.012**	**0.013**	**0.017**	0.018	**0.0052**	**0.019**	0.0034 U	0.023	0.0015 U	**0.014**	**0.0068**	0.019	0.029	0.01818	0.01801
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	0.0014 U	0.00091 U	0.00088 U	**0.0029**	**0.0024**	**0.0035**	0.0034 U	0.0036 U	**0.0049**	0.0034 U	0.0044	0.0015 U	0.0062 U	0.0022 U	0.0032 U	0.0053	0.00375	0.00309
EB-5	EB-5-10.0	6/18/2013	9 - 11	0.0058	0.000091 U	0.000088 U	**0.00058**	0.00022 U	0.0005	0.00042	0.00036 U	0.0011	0.00034 U	0.00088	0.016	0.00062 U	0.00022 U	0.011	0.0017	0.0003	0.00012
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	0.016	0.000091 U	0.000088 U	**0.0024**	**0.0017**	**0.0023**	0.017 U	0.018 U	**0.0046**	0.017 U	0.0037	**0.067** E	0.031 U	0.00022 U	0.046	0.013 U	0.00552	0.00222
EB-5	EB-5-12.5	6/18/2013	12 - 13	NA	NA	NA	0.00021	0.00022 U	0.00023	NA	0.00036 U	0.00035	NA	NA	0.00025	0.00062 U	NA	NA	NA	0.00021	4.8E-05
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	0.014 U	0.0091 U	0.0089	**0.022**	**0.024**	**0.028**	**0.036**	0.036 U	**0.058**	0.034 U	0.028 U	0.015 U	0.062 U	0.022 U	0.032 U	0.026 U	0.03618	0.02958
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	0.014 U	0.064	0.049	**0.23**	**0.22**	**0.25**	**0.13**	**0.086**	**0.25**	**0.039**	**0.33**	**0.064**	**0.15**	**0.13**	**0.21**	0.4	0.298	0.298
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	0.00014 U	0.00053	0.00043	**0.0017**	0.00022 U	**0.0012**	0.00041	0.00047	0.0019	0.00034 U	0.0034	0.00046	0.00062 U	0.00024	0.002	0.0042	0.00051	0.00036
EB-14	EB-14-12.5	6/17/2013	12 - 13	NA	NA	NA	0.00018 U	NA	0.00018 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8E-05	0
EB-16	EB-16-2.5'	6/19/2013	2 - 3	0.014 U	0.0091 U	0.023	**0.046**	**0.039**	**0.05**	**0.051**	0.036 U	**0.063**	0.034 U	0.11	0.015 U	0.062 U	0.022 U	**0.21**	0.15	0.05583	0.04923
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	0.00093	0.000096	0.00051	**0.0022**	**0.0017**	**0.003**	0.00093	**0.00088**	0.0025	0.00034 U	0.0055	0.00064	**0.001**	0.00036	0.0029	0.0065	0.00245	0.00243
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	0.00082	0.000091 U	0.00068	**0.002**	**0.0014**	**0.0019**	0.00064	0.00065	0.0021	0.00034 U	0.0057	0.00074	0.00077	0.00039	0.0042	0.0066	0.00197	0.00195
EB-16	EB-16-15.0'	6/19/2013	14.5 - 15.5	0.00022	0.000091 U	0.00015	**0.00046**	**0.00037**	0.00048	0.00034 U	0.00036 U	0.00043	0.00034 U	0.001	0.00026	0.00062 U	0.00022 U	0.0011	0.0011	0.00053	0.00047
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	0.00014 U	0.00015	0.00092	**0.0016**	**0.0014**	**0.0023**	0.0025	0.00042	**0.0048**	0.00049	0.0036	0.00015 U	**0.0013**	**0.00048**	0.0068	0.0053	0.00206	0.00206
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	0.0014 U	0.00091 U	0.00088 U	0.0018 U	**0.0023**	**0.0022**	0.0034 U	0.0036 U	**0.0048**	0.0034 U	0.0028 U	0.0015 U	0.0062 U	0.0022 U	0.0036	0.0026 U	0.00332	0.00257
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.000088 U	0.00027	0.00022 U	0.0002	0.00034 U	0.00036 U	0.00026	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00023	0.00085	0.00026 U	0.00023	5E-05

Table 2
Soil Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benz[a]anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	Total cPAHs (U=1/2 MRL)	Total cPAHs (U=0)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**4,800**	**4,800**	**24,000**	**0.00040**	**0.13**	**1.37**	**0.031**	**13.7**	**0.004**	**0.14**	**3,200**	**3,200**	**1.37**	**1,600**	**0.10**	**2,400**	**NV**	**NV**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.017**	**0.069**	**0.22**	**0.00040**	**0.00022**	**0.00063**	**0.031**	**0.00065**	**0.003**	**0.0010**	**0.16**	**0.024**	**0.0009**	**0.00047**	**0.10**	**1.0**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.00014**	**0.000091**	**0.000088**	**0.00018**	**0.00022**	**0.00018**	**0.00034**	**0.00036**	**0.00019**	**0.00034**	**0.00028**	**0.00015**	**0.00062**	**0.00022**	**0.00032**	**0.00026**	**NV**	**NV**
EB-24	EB-24-1.0	6/17/2013	1 - 2	0.00014 U	0.00015	0.00048	**0.0024**	**0.0027**	**0.0038**	0.0024	**0.0011**	**0.0033**	0.00063	0.0028	0.00019	**0.0026**	0.00035	0.0017	0.0032	0.00379	0.00379
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	**0.031**	0.038	0.054	**0.11**	**0.18**	**0.3**	**0.21**	**0.055**	**0.19**	**0.042**	**0.24**	0.015	**0.26**	**0.015**	**0.13**	0.27	0.2586	0.2586
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	0.0052	0.00048	0.0044	**0.0059**	**0.0064**	**0.0067**	0.0054	**0.0021**	**0.0069**	**0.0014**	0.015	0.0022	**0.0048**	**0.00084**	0.022	0.018	0.00856	0.00856
EB-24	EB-24-12.5	6/17/2013	12 - 13	NA	NA	NA	0.00018 U	0.00022 U	0.00018 U	NA	0.00036 U	0.00019 U	0.00034 U	NA	NA	0.00062 U	0.00025	NA	NA	0.00019	0
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	0.00022	0.00032	0.0019	**0.0015**	**0.0026**	**0.0043**	0.0038	**0.001**	**0.0051**	0.0009	0.0021	0.00022	**0.0035**	0.00031	0.0013	0.0028	0.00377	0.00377
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	0.0039	0.001	0.05	**0.087**	**0.072**	**0.11**	**0.042**	**0.032**	**0.1**	**0.012**	**0.17**	0.01	**0.049**	0.0022 U	0.05	0.19	0.102	0.102
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	0.0028 U	0.0018 U	0.0018 U	0.0036 U	0.0044 U	0.0036 U	0.012	0.0072 U	0.0038 U	0.0068 U	0.0056 U	0.003 U	0.012 U	0.0044 U	0.0064 U	0.0052 U	0.00388	0
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	0.00042	0.00019	0.0034	**0.023**	**0.016**	**0.027**	0.0092	**0.0087**	**0.028**	**0.0033**	0.028	0.00037	**0.01**	0.00022 U	0.0066	0.028	0.02348	0.02348
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	**0.65**	0.033	**2.3**	**1.9**	**1.5**	**2.3**	**0.97**	**0.68**	**2.9**	**0.29**	**4**	**0.65**	**1.1**	**0.48**	**3.7**	**4.1**	2.156	2.156
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.000088 U	0.00021	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00023	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00066	0.00026 U	0.00021	2.3E-05
EB-32	EB-32-12.5	6/14/2013	12 - 13	0.00014 U	0.000091 U	0.00013	0.00025	0.00022 U	0.00023	0.00034 U	0.00036 U	0.00032	0.00034 U	0.00033	0.00015 U	0.00062 U	0.00022 U	0.00046	0.00035	0.00023	5.1E-05
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	0.014 U	0.012	**7**	**0.33**	**0.34**	**0.41**	**0.26**	**0.19**	**1.2** E	**0.07**	0.12	**0.46**	**0.31**	**0.22**	**0.75**	0.14	0.483	0.483
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	**0.65**	**0.15**	**2.2**	**7.4**	**7.5**	**8.9**	**4.3**	**3.2**	**9.4**	**1.2**	**15**	**0.61**	**5.1**	**0.16**	**7.3**	**14**	10.174	10.174
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	**0.1**	0.0011	0.016	**0.0066**	**0.0041**	**0.0073**	0.0034 U	0.0036 U	**0.0093**	0.0034 U	0.025	0.019	0.0062 U	**0.031**	0.035	0.026	0.00624	0.00558
EB-38	EB-38-12.5	6/17/2013	12 - 13	0.00093	NA	NA	**0.00077**	0.00022 U	**0.00091**	NA	0.00036 U	0.00098	NA	NA	NA	0.00062 U	0.00046	NA	NA	0.00034	0.00018
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	**0.039**	0.018 U	0.018 U	**0.047**	0.044 U	**0.068**	0.068 U	0.072 U	**0.096**	0.068 U	0.056 U	0.03 U	0.12 U	0.044 U	**0.16**	0.085	0.04746	0.01246
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	**0.12**	0.018 U	**2.3**	**2.3** E	**1.5** E	**2.1** E	**0.61**	**0.61**	**2.9** E	**0.19**	**4.8** E	**0.14**	**0.68**	0.044 U	**1.3**	**4.5** E	2.117	2.117
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.0004	0.00026 U	0.00019	0
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	0.0004	0.000091 U	0.00079	**0.0028**	**0.0036**	**0.0061**	0.0025	**0.0016**	**0.0039**	0.00066	0.0047	0.00045	**0.0023**	0.00022 U	0.0035	0.0046	0.00499	0.00499
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	**8.1**	0.46 U	**25**	**31**	**19**	**27**	**8.3**	**8.2**	**35**	**2.6**	**75**	**8.1**	**9.9**	**4.1**	**64**	**68**	27.22	27.22
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	0.00024	0.000091 U	0.00032	**0.00064**	**0.00029**	0.00049	0.00034 U	0.00036 U	0.00072	0.00034 U	0.0013	0.00016	0.00062 U	0.00036	0.0013	0.0012	0.00048	0.00041
EB-41	EB-91-10.0	6/14/2013	9 - 10.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00032 U	0.00026 U	0.00019	0
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	0.00031	0.000091 U	0.00077	**0.00092**	**0.00045**	**0.00073**	0.00034 U	0.00036 U	0.001	0.00034 U	0.0023	0.00031	0.00062 U	0.00026	0.002	0.002	0.00069	0.00063
EB-41	EB-41-20.0	6/14/2013	19 - 20	NA	NA	NA	0.00018 U	0.00022 U	0.00018 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00013	0.0002
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	0.00014 U	0.000091 U	0.00051	0.00018 U	0.00022 U	0.00023	0.00034 U	0.00036 U	0.0016	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00032 U	0.00026 U	0.00024	3.9E-05
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	**0.62**	0.022	**1.4**	**1.9**	**1.9**	**2.1**	**1.1**	**0.82**	**2.3**	**0.3**	**4.5**	**0.59**	**1.2**	**0.1**	**4.3**	**4.5**	2.555	2.555
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	0.014 U	0.0091 U	0.16	**0.35**	**0.55**	**0.64**	**0.51**	**0.22**	**0.86** E	**0.11**	**0.47**	0.011	**0.48**	0.022 U	**0.15**	0.53	0.7386	0.7386
EB-45	EB-45-12.5	6/10/2013	12 - 13	NA	NA	NA	**0.085**	**0.047**	**0.072**	0.016	**0.025**	**0.091**	**0.0045**	**0.26**	NA	**0.019**	0.0022 U	**0.14**	NA	0.06846	0.06846
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	0.0039	0.00091 U	0.051	**0.048**	**0.048**	**0.07**	0.031	**0.021**	**0.075**	**0.0095**	**0.19**	0.0088	**0.037**	0.0022 U	**0.13**	0.16	0.0673	0.0673
EB-46	EB-46-2.5	6/14/2013	2 - 3	**0.26**	0.018 U	**0.49**	**1.2**	**1.1**	**1.5**	**0.64**	**0.48**	**1.5**	**0.17**	**2.7**	**0.22**	**0.76**	**0.19**	**1.4**	**2.7**	1.526	1.526
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	0.00014 U	0.000091 U	0.000088 U	0.0002	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00029	0.00082	0.00026 U	0.00021	0.00002
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00023	0.00085	0.00026 U	0.00019	0
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	0.00014 U	0.000091 U	0.0002	**0.001**	**0.0011**	**0.0023**	0.0018	0.00036 U	0.0029	0.00083	0.00053	0.00015 U	0.00074	0.00022 U	0.0018	0.0019	0.00163	0.00162
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	**0.061**	0.018 U	0.15	**0.7**	**0.57**	**0.93**	**0.35**	**0.31**	**0.69**	**0.092**	**1.6** E	**0.079**	**0.4**	0.044 U	**0.73**	**1.4**	0.8201	0.8201
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00061	0.00032	0.0002	1.8E-05
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	0.00014 U	0.000091 U	0.000088 U	0.00038	**0.00037**	0.00043	0.00034	0.00036 U	0.00041	0.00034 U	0.00063	0.00015 U	0.00062 U	0.00022 U	0.00032 U	0.0007	0.00052	0.00046
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	0.00025	0.00019	0.00076	**0.0037**	**0.0042**	**0.0053**	0.0033	**0.0018**	**0.0053**	0.00063	0.0078	0.00023	**0.0031**	**0.00054**	0.0042	0.0097	0.00571	0.00571
EB-50	EB-50-7.5	6/14/2013	7 - 8	0.007 U	0.0065	0.019	**0.053**	**0.06**	**0.065**	**0.044**	**0.025**	**0.067**	0.017 U	0.12	0.0075 U	**0.04**	0.011 U	0.084	0.14	0.07982	0.07897
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	0.00014 U	0.00014	0.00038	**0.0025**	**0.0026**	**0.0043**	0.0026	**0.0011**	**0.0032**	0.00061	0.0022	0.00017	**0.0024**	0.00026	0.0012	0.0028	0.00372	0.00372
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	**0.059**	0.0091 U	0.21	**0.38**	**0.34**	**0.49**	**0.2**	**0.15**	**0.5**	**0.05**	**0.8**	**0.063**	**0.22**	**0.025**	**0.54**	0.85	0.474	0.474
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	0.0028 U	0.0018 U	0.025	**0.0067**	0.0044 U	**0.0055**	0.0068 U	0.0072 U	**0.0079**	0.0068 U	0.015	**0.22**	0.012 U	**1.2**	**0.26**	0.027	0.0048	0.0013
EB-51	EB-51-10.0	6/13/2013	9 - 10	0.014 U	0.0091 U	0.0094	**0.057**	**0.051**	**0.06**	**0.04**	0.036 U	**0.06**	0.034 U	0.077	0.015 U	0.062 U	0.022 U	0.035	0.088	0.0699	0.0633
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	0.0014 U	0.00091 U	0.00088 U	**0.0063**	**0.0072**	**0.011**	0.0086	**0.0043**	**0.0094**	0.0034 U	0.014	0.0015 U	**0.0073**	0.0022 U	0.0065	0.012	0.01035	0.01018
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	0.0014 U	0.00099	0.0017	**0.007**	**0.01**	**0.013**	0.014	**0.0042**	**0.01**	0.0034 U	0.011	0.0015 U	**0.011**	0.0022 U	0.01	0.013	0.01379	0.01362
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.00017	**0.0022**	**0.0025**	**0.0029**	0.0018	**0.0015**	0.0026	0.00035	0.0028	0.00015 U	**0.0019**	0.00022	0.0009	0.0033	0.00341	0.00341
EMW-1S	EMW-1S-15.0	6/12/2013	14.5 - 15	NA	NA	NA	**0.0019**	**0.0026**	**0.0029**	NA	**0.00083**	NA	NA	NA	NA	**0.0021**	NA	NA	NA	0.00337	0.00337
EMW-2S	EMW-2S-2.5	6/17/2013	2 - 3	0.00014 U	0.00011	0.00016	**0.00084**	**0.0012**	**0.0012**	0.00099	0.00036 U	0.0011	0.00034 U	0.0012	0.00015 U	**0.001**	0.00039	0.0013	0.0015	0.00155	0.00152
EMW-2S	EMW-2S-5.0	6/17/2013	4 - 5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00042	0.00026 U	0.00019	0
EMW-2S	EMW-2S-10.0	6/17/2013	9.5 - 11	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00053	0.00026 U	0.00019	0
EMW-3S	EMW-3S-1.0	6/11/2013	0.5 - 1.5	0.014 U	0.0091 U	0.044	**0.12**	**0.14**	**0.2**	**0.11**	**0.07**	**0.14**	0.034 U	**0.24**	0.015 U	**0.12**	0.022 U	0.057	0.21	0.1941	0.1924
EMW-3S	EMW-3S-5.0	6/11/2013	4.5 - 5.5	0.028 U	0.018 U	0.018 U	**0.058**	0.044 U	**0.059**	0.068 U	0.072 U	**0.044**	0.068 U	0.056 U	0.03 U	0.12 U	0.044 U	0.064 U	0.052 U	0.04714	0.01214
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.00085	**0.00061**	**0.00061**	**0.00085**	0.00037	0.00036 U	0.00064	0.00034 U	0.0017	0.00019	0.00062 U	0.00023	0.00094	0.00087	0.00083	0.00076
EMW-3S	EMW-3S-15.0	6/11/2013	14.5 - 15.5	0.014 U	**0.14**	0.085	**0.15**	**0.26**	**0.33**	**0.24**	**0.1**	**0.19**	**0.048**	**0.29**	**0.029**	**0.24**	0.022 U	**0.14**	0.27	0.3487	0.3487
EMW-3S	EMW-89S-5.0	6/11/2013	14.5 - 15.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00023	0.00062	0.00026 U	0.00019	0
EMW-4D	EMW-4D-2.5'	6/17/2013	2 - 3	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00032 U	0.00026 U	0.00019	0
EMW-4D	EMW-4D-5.0'	6/17/2013	4.5 - 5.5	0.00014 U	0.000091 U	0.000088 U	0.00025	**0.00025**	0.00036	0.00034 U	0.00036 U	0.00025	0.00034 U	0.00028	0.00015 U	0.00062 U	0.00022 U	0.00032 U	0.00032	0.00038	0.00031
EMW-4D	EMW-4D-7.5'	6/17/2013	7 - 8	NA	NA	NA	NA	**0.021**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.021	0.021
EMW-4D	EMW-4D-12.5'	6/17/2013	12 - 13	0.00014 U	0.000091 U	0.00026	0.00032	**0.00042**	0.0006	0.0006	0.00036 U	0.00048	0.00034 U	0.00038	0.00015 U	0.00062 U	0.00022 U	0.0005	0.00042	0.00058	0.00052
EMW-4D	EMW-4D-20.0'	6/17/2013	19.5 - 20.5	0.0018	0.00043	0.00075	**0.0033**	**0.0029**	**0.0055**	0.0024	**0.0015**	**0.004**	0.00066	0.0082	0.00038	**0.0025**	**0.0005**	0.004	0.0072	0.00429	0.00429
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	0.00014 U	0.00011	0.00017	**0.00074**	**0.0012**	**0.0015**	0.0024	0.00036 U	**0.0032**	0.001	0.00046	0.00015 U	0.00062 U	0.00022	0.002	0.0015	0.00161	0.00162
EMW-5S	EMW-5S-7.50	6/13/2013	7 - 8	0.00014 U	0.0003	0.00037	**0.0019**	**0.0019**	**0.0031**	0.0022	**0.00073**	0.0028	0.00049	0.0026	0.00015 U	**0.0021**	**0.00095**	0.0034	0.0035	0.00276	0.00276
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.000088 U	0.0003	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.0006	0.00034 U	0.00028 U	0.00015 U	0.00062 U	**0.00056**	0.0021	0.00041	0.00022	3.6E-05
EMW-5S	EMW-5S-12.5	6/13/2013	12 - 13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00022 U	NA	NA	NA	NA
EMW-6S	EMW-6S-1.0	6/12/2013	0.5 - 1.5	0.014 U	0.0091 U	0.0088 U	0.018 U	0.022 U	0.018 U	0.034 U	0.036 U	**0.022**	0.034 U	0.028 U	0.015 U	0.062 U	0.022 U	0.032 U	0.026 U	0.01962	0.00022
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	0.00014 U	0.000091 U	0.000088 U	0.00028	**0.00035**	0.0005	0.0011	0.00036 U	0.00043	0.00034 U	0.00055	0.00015 U	0.00074	0.00022 U	0.00048	0.00051	0.00054	0.00051
EMW-6S	EMW-6S-10.0	6/12/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.00016	**0.00059**	**0.00044**	0.0005	0.0004	0.00036 U	0.00058	0.00034 U	0.00094	0.00015 U	0.00062 U	0.00027	0.0011	0.0014	0.00062	0.00055
EMW-6S	EMW-6S-12.5	6/12/2013	12 - 13	NA	NA	NA	0.00026	0.00022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00014	2.6E-05
EMW-7S	EMW-7S-1.0	6/13/2013	0.5 - 1.5	0.0028 U	0.0018 U	0.0082	**0.016**	**0.021**	**0.031**	**0.032**	**0.0095**	**0.03**	0.0068 U	0.02	0.003 U	**0.023**	**0.0059**	0.023	0.044	0.02959	0.02925
EMW-7S	EMW-7S-5.0	6/13/2013	4.5 - 5.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00026	0.00038	0.00026 U	0.00019	0
EMW-7S	EMW-7S-10.0	6/13/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.00022	**0.00061**	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.0008	0.00034 U	0.0007	0.00015 U	0.00062 U	**0.00083**	0.0036	0.0011	0.00025	6.9E-05
EMW-7S	EMW-7S-12.5	6/13/2013	12 - 13	NA	NA	NA	**0.00066**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6E-05	6.6E-05
EMW-8S	EMW-8S-1.0	6/12/2013	0.5 - 1.5	0.00014 U	0.00045	0.00075	**0.004**	**0.0055**	**0.008**	0.0058	**0.0026**	**0.0056**	**0.0011**	0.0053	0.00032	**0.0052**	0.00041	0.0018	0.0061	0.00765	0.00765
EMW-8S	EMW-8S-5.0	6/12/2013	4.5 - 5.5	0.00014 U	0.0091 U	0.035	**0.054**	**0.079** E	**0.16** E	**0.14**	**0.053**	**0.16** E	0.034 U	0.055	0.0019	**0.12**	0.022 U	0.028	0.068	0.121	0.1193
EMW-8S	EMW-8S-10.0	6/12/2013	9.5 - 10.5	0.00015	0.000091 U	0.00012	0.00031	0.00022 U	0.00032	0.00034 U	0.00036 U	0.0004	0.00034 U	0.00044	0.00015 U	0.00062 U	**0.00053**	0.0014	0.00048	0.00024	6.7E-05
EMW-8S	EMW-8S-12.5	6/12/2013	12 - 13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00022 U	NA	NA	NA	NA

Table 2
Soil Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benz[a]anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	Total cPAHs (U=1/2 MRL)	Total cPAHs (U=0)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**4,800**	**4,800**	**24,000**	**0.00040**	**0.13**	**1.37**	**0.031**	**13.7**	**0.004**	**0.14**	**3,200**	**3,200**	**1.37**	**1,600**	**0.10**	**2,400**	**NV**	**NV**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.017**	**0.069**	**0.22**	**0.00040**	**0.00022**	**0.00063**	**0.031**	**0.00065**	**0.003**	**0.0010**	**0.16**	**0.024**	**0.0009**	**0.00047**	**0.10**	**1.0**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.00014**	**0.000091**	**0.000088**	**0.00018**	**0.00022**	**0.00018**	**0.00034**	**0.00036**	**0.00019**	**0.00034**	**0.00028**	**0.00015**	**0.00062**	**0.00022**	**0.00032**	**0.00026**	**NV**	**NV**
EMW-9S	EMW-9S-1.0	6/13/2013	0.5 - 1.5	0.0014 U	0.00091 U	0.0037	**0.004**	**0.005**	**0.0078**	0.0058	0.0036 U	**0.0091**	0.0034 U	0.0064	0.0015 U	0.0062 U	0.0022 U	0.0048	0.0074	0.00693	0.00627
EMW-9S	EMW-9S-5.0	6/13/2013	4.5 - 5.5	**0.046**	0.0017	0.078	**0.1**	**0.092**	**0.13**	**0.063**	**0.046**	**0.14**	**0.015**	**0.24**	**0.042**	**0.071**	**0.039**	**0.22**	0.24	0.1296	0.1296
EMW-9S	EMW-9S-10.0	6/13/2013	9.5 - 10.5	**0.1**	0.0091 U	**0.32**	**0.48**	**0.36**	**0.51**	**0.21**	**0.22**	**0.55**	**0.047**	**1.1** E	**0.12**	**0.23**	**0.074**	**0.86** E	**1.1**	0.5142	0.5142
EMW-9S	EMW-9S-12.5	6/13/2013	12 - 13	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00032 U	0.00026 U	0.00019	0
EMW-10D	EMW-10D-1.0'	6/19/2013	0.5 - 1.5	0.011	0.01	0.024	**0.12**	**0.2**	**0.26**	**0.16**	**0.075**	**0.17**	**0.037**	**0.2**	0.0099	**0.19**	0.0022 U	0.092	0.21	0.2699	0.2699
EMW-10D	EMW-10D-5.0'	6/19/2013	4.5 - 5.5	**640**	**28**	**520**	**410**	**300**	**380**	**110**	**180**	**460**	**28**	**1,500**	**420**	**160**	**35**	**900**	**1,500**	420.4	420.4
EMW-10D	EMW-10S-5.0'(dupl.)	6/19/2013	4.5 - 5.5	**390** E	**13**	**190** E	**460** E	**320**	**480**	**140**	**100**	**490**	**42**	**1,200** E	**180**	**170** E	**18**	**430** E	**1,700**	450.1	450.1
EMW-10D	EMW-10D-10.0'	6/19/2013	9.5 - 10.5	**0.078**	0.0039	0.07	**0.11**	**0.079**	**0.095**	**0.033**	**0.05**	**0.15**	**0.015**	**0.33**	**0.042**	**0.046**	**0.032**	**0.15**	0.37	0.1121	0.1121
EMW-10D	EMW-10D-15.0'	6/19/2013	14.5 - 15.5	**0.03**	0.00035	0.0011	**0.0052**	**0.004**	**0.0058**	0.0018	**0.002**	**0.0057**	0.00074	0.015	0.00095	**0.0022**	**0.0018**	0.0028	0.017	0.00565	0.00565
EMW-10D	EMW-10D-35.0'	6/19/2013	34.5 - 35.5	**190**	**2.9**	**100**	**110** E	**62** E	**79** E	**30**	**35**	**78** E	**11**	**270** E	**130** E	**34**	4.4 U	**480** E	**410**	89.68	89.68
EMW-10D	EMW-10D-50.0'	6/19/2013	49 - 50	**0.11**	0.0012	0.044	**0.059**	**0.036**	**0.047**	0.015	**0.018**	**0.041**	**0.0058**	0.15 E	**0.074**	**0.018**	0.0022 U	**0.28** E	0.2	0.05119	0.05119
EMW-11S	EMW-11S-1.0	6/12/2013	0.5 - 1.5	0.00022	0.000091 U	0.00024	**0.0011**	**0.001**	**0.0015**	0.0011	0.0005	0.0017	0.00034 U	0.0015	0.00022	0.00077	0.00022 U	0.001	0.0019	0.00142	0.0014
EMW-11S	EMW-11S-5.0	6/12/2013	4.5 - 5.5	0.0083	0.001	0.048	**0.4**	**0.54**	**0.66**	**0.27**	**0.22**	**0.58**	**0.072**	**0.33**	0.0054	**0.34**	**0.0029**	**0.12**	0.47	0.715	0.715
EMW-11S	EMW-11S-10.0	6/12/2013	9.5 - 10.5	0.00014 U	0.000091 U	0.0002	**0.00089**	**0.00074**	**0.00097**	0.00074	0.00036 U	0.0015	0.00034 U	0.0012	0.00022	0.00062 U	0.00022 U	0.00097	0.0016	0.00101	0.00094
EMW-12S	EMW-12S-1.0	6/11/2013	0.5 - 1.5	NA	NA	NA	0.00018 U	0.00022 U	0.00018 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00013	0
EMW-12S	EMW-12S-5.0	6/11/2013	4.5 - 5.5	0.00083	0.000097	0.00041	**0.0041**	**0.004**	**0.0061**	0.0029	**0.0018**	**0.0043**	0.0008	0.0059	0.00021	**0.003**	**0.00048**	0.002	0.0061	0.00562	0.00562
EMW-12S	EMW-12S-10.0	6/11/2013	9.5 - 10.5	**0.022**	0.0011	0.094	**0.26**	**0.15**	**0.22**	**0.065**	**0.072**	**0.24**	**0.025**	**0.5**	**0.032**	**0.08**	**0.0047**	**0.24**	0.44	0.2181	0.2181
EMW-12S	EMW-12S-15.0	6/11/2013	14.5 - 15.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00022 U	0.00075	0.00026 U	0.00019	0
EMW-13S	EMW-13S-1.0	6/11/2013	0.5 - 1.5	0.00014 U	0.000091 U	0.000088 U	0.00018 U	0.00022 U	0.00018 U	0.00034 U	0.00036 U	0.00019 U	0.00034 U	0.00028 U	0.00015 U	0.00062 U	0.00025	0.00032 U	0.00026 U	0.00019	0
EMW-13S	EMW-13S-5.0	6/11/2013	4.5 - 5.5	0.0014 U	0.00091 U	0.00088 U	**0.0049**	**0.0053**	**0.0069**	0.0049	0.0036 U	**0.0056**	0.0034 U	0.0054	0.0015 U	0.0062 U	0.0022 U	0.0032 U	0.0063	0.0072	0.00654
EMW-13S	EMW-13S-7.5	6/11/2013	7 - 8	0.0014 U	0.00091 U	0.0045	**0.063**	**0.046**	**0.068**	0.023	**0.022**	**0.057**	**0.0064**	0.074	0.0018	**0.026**	0.0022 U	0.017	0.081	0.06511	0.06511
EMW-13S	EMW-13S-12.5	6/11/2013	12 - 13	**0.21**	0.032	**0.72**	**1.4**	**1**	**1.4**	**0.52**	**0.52**	**1.6**	**0.17**	**2.8**	**0.31**	**0.6**	**0.083**	**1.3**	**2.8**	1.425	1.425
EMW-14D	EMW-14D-1.0'	6/17/2013	0.5 - 1.5	**0.15**	0.017	**0.51**	**1.1**	**0.99**	**1.1**	**0.75**	**0.36**	**1.2**	**0.13**	**2.7**	**0.14**	**0.79**	**0.026**	**2.4**	**3.1**	1.35	1.35
EMW-14D	EMW-14D-5.0'	6/17/2013	4.5 - 5.5	0.00014 U	0.000091 U	0.000088 U	**0.00043**	**0.00027**	**0.00067**	0.00034 U	0.00036 U	0.00081	0.00034 U	0.00073	0.00015 U	0.00062 U	0.00022	0.001	0.00078	0.00045	0.00039
EMW-14D	EMW-14D-10.0'	6/17/2013	9.5 - 10.5	**1.1**	0.046 U	**3.1**	**7.6**	**4.1**	**6.6**	**1.6**	**2**	**8.4**	**0.68**	**12**	**1.5**	**1.8**	**0.18**	**9.9**	**11**	6.052	6.052
EMW-14D	EMW-14D-15.0'	6/17/2013	14.5 - 15.5	**2.4**	0.065	**0.99**	**0.97**	**0.8**	**1.1**	**0.56**	**0.37**	**1.3**	0.14 U	**3.2**	**2.2**	**0.56**	**3.4**	**4.8**	**2.7**	1.12	1.113
EMW-14D	EMW-14D-25.0'	6/17/2013	24.5 - 25.5	0.0049	NA	0.0081	**0.023**	**0.011**	**0.019**	0.0055	**0.0063**	**0.027**	**0.0023**	0.045	0.0055	**0.0069**	**0.00088**	0.036	0.041	0.01702	0.01702
EMW-14D	EMW-14D-35.0'	6/17/2013	34.5 - 35.5	NA	NA	NA	**0.0082**	**0.0042**	**0.0077**	NA	**0.0022**	**0.01**	0.0009	NA	NA	**0.0023**	**0.001**	NA	NA	0.00643	0.00643
EMW-14D	EMW-14D-50.0'	6/17/2013	49 - 50	NA	NA	NA	**0.0005**	0.00022 U	0.00033	NA	0.00036 U	0.0006	NA	NA	NA	0.00062 U	0.00022 U	NA	NA	0.00025	8.9E-05
EMW-15D	EMW-15D-1.0'	6/18/2013	0.5 - 1.5	NA	NA	NA	0.00021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1E-05	2.1E-05
EMW-15D	EMW-15D-5.0'	6/18/2013	4.5 - 5.5	0.0041	0.00091 U	0.022	**0.064**	**0.063**	**0.075** E	**0.057**	**0.031**	**0.065**	**0.0067**	0.15 E	0.003	**0.051**	0.0022 U	0.072 E	0.18	0.08642	0.08642
EMW-15D	EMW-15D-10.0'	6/18/2013	9.5 - 10.5	0.014 U	0.014	0.03	**0.13**	**0.12**	**0.13**	**0.11**	**0.041**	**0.18**	0.034 U	**0.18**	0.015 U	**0.092**	0.022 U	**0.19**	0.26	0.1628	0.1611
EMW-15D	EMW-15D-15.0'	6/18/2013	14.5 - 15.5	**0.31**	NA	**1.5**	**2.5**	**2.1**	**2.6**	**1.3**	**0.82**	**2.9**	**0.25**	**6.3**	**0.3**	**1.3**	**0.068**	**4.2**	**6.2**	2.876	2.876
EMW-15D	EMW-15D-25.0'	6/20/2013	25 - 26	**0.19**	NA	0.21	**0.61**	**0.48**	**0.67**	**0.3**	**0.24**	**0.82**	0.17 U	**1.5**	0.075 U	**0.37**	0.11 U	**0.42**	**1.4**	0.6857	0.6772
EMW-16D	EMW-16D-1.0'	6/18/2013	0.5 - 1.5	0.0017	NA	NA	**0.016**	**0.011**	**0.016**	0.006	**0.0052**	**0.018**	**0.0019**	0.029	0.0014	**0.0065**	**0.001**	0.013	0.029	0.01574	0.01574
EMW-16D	EMW-16D-5.0'	6/18/2013	4.5 - 5.5	0.0064	0.004	0.025	**0.15**	**0.13**	**0.17**	**0.077**	**0.055**	**0.18**	**0.022**	**0.21**	0.0074	**0.085**	**0.0024**	0.099	0.26	0.18	0.18
EMW-16D	EMW-16D-10.0'	6/18/2013	9.5 - 10.5	0.0037	0.0017	0.023	**0.16**	**0.12**	**0.19**	**0.065**	**0.046**	**0.16**	**0.018**	**0.28**	0.0045	**0.072**	0.0022 U	0.079	0.25	0.1702	0.1702
EMW-16D	EMW-16D-15.0'	6/18/2013	14.5 - 15.5	0.00014 U	0.000091 U	0.00015	**0.00055**	**0.00043**	0.00055	0.00037	0.00036 U	0.001	0.00034 U	0.00081	0.00015 U	0.00062 U	**0.00056**	0.0031	0.0012	0.00062	0.00055
FMW-1	FB-1-2	4/23/1990	2	ND	ND	ND	ND	ND	ND	ND	ND	0.07 U	ND	0.07 U	0.07 U	ND	ND	0.07 U	0.07 U	0.0035	0
FMW-1	FB-1-7	4/23/1990	7	ND	ND	ND	ND	ND	ND	ND	ND	0.077 U	ND	0.077 U	0.077 U	ND	ND	0.077 U	0.077 U	0.00385	0
FMW-1	FB-1-13	4/23/1990	13	ND	ND	ND	ND	ND	ND	ND	ND	0.087 U	ND	0.087 U	0.087 U	ND	ND	0.087 U	0.087 U	0.00435	0
FMW-2	FB-2-2	4/20/1990	2	ND	ND	ND	ND	ND	ND	ND	ND	**0.11**	ND	0.099 J	0.1 U	ND	ND	0.075 J	0.075 J	0.0011	0.0011
FMW-2	FB-2-5.5	4/20/1990	5.5	ND	ND	ND	ND	ND	ND	ND	ND	0.072 U	ND	0.072 U	0.072 U	ND	ND	0.072 U	0.072 U	0.0036	0
FMW-2	FB-2-8	4/20/1990	8	ND	ND	ND	ND	ND	ND	ND	ND	0.079 U	ND	0.079 U	0.079 U	ND	ND	0.079 U	0.079 U	0.00395	0
FMW-2	FB-2-18.5	4/20/1990	18.5	ND	ND	ND	ND	ND	ND	ND	ND	0.071 U	ND	0.071 U	0.071 U	ND	ND	0.071 U	0.071 U	0.00355	0
FMW-3	FB-3-3	4/23/1990	3	ND	ND	ND	ND	ND	ND	ND	ND	0.063 U	ND	0.063 U	0.063 U	ND	ND	0.063 U	0.063 U	0.00315	0
FMW-3	FB-3-3.5	4/23/1990	3.5	ND	ND	ND	ND	ND	ND	ND	ND	0.081 U	ND	0.081 U	0.081 U	ND	ND	0.081 U	0.081 U	0.00405	0
FMW-3	FB-3-13.5	4/23/1990	13.5	ND	ND	ND	ND	ND	ND	ND	ND	0.08 U	ND	0.08 U	0.08 U	ND	ND	0.08	0.08 U	0.004	0
FB-4	FB-4-2	4/20/1990	2	ND	ND	ND	ND	ND	ND	ND	ND	0.06 U	ND	0.06 U	0.06 U	ND	ND	0.06	0.06 U	0.003	0
FB-4	FB-4-8	4/20/1990	8	ND	ND	ND	ND	ND	ND	ND	ND	0.072 U	ND	0.072 U	0.072 U	ND	ND	0.072 U	0.072 U	0.0036	0
FB-4	FB-4-11	4/20/1990	11	ND	ND	ND	ND	ND	ND	ND	ND	0.078 U	ND	0.078 U	0.078 U	ND	ND	0.078 U	0.078 U	0.0039	0
FB-5	FB-5-11	4/20/1990	11	ND	ND	ND	ND	ND	ND	ND	ND	0.071 U	ND	0.071 U	0.071 U	ND	ND	0.071 U	0.071 U	0.00355	0
FB-5	FB-5-2	4/20/1990	2	ND	ND	ND	ND	ND	ND	ND	ND	0.078 U	ND	0.078 U	0.078 U	ND	ND	0.078 U	0.078 U	0.0039	0
FB-5	FB-5-8	4/20/1990	8	ND	ND	ND	ND	ND	ND	ND	ND	0.085 U	ND	0.085 U	0.085 U	ND	ND	0.085 U	0.085 U	0.00425	0
FSS2	FSS2	6/12/1988	0.5	ND	ND	ND	ND	ND	ND	ND	ND	1.8 U	NA	1.8 U	**4** M	ND	ND	**17**	**3** M	0.09	0
FSS3	FSS3	6/12/1988	0.5	ND	ND	ND	ND	ND	ND	ND	ND	1.7 U	NA	1.7 U	1.7 U	ND	ND	1.7 U	1.7 U	0.085	0
HC-101	HC101-S1	8/22/1990	3.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-101	HC101-S3	8/22/1990	8.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-101	HC101-S4	8/22/1990	11	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-102	HC102-S1	8/20/1990	3.5	0.1 U	0.1 U	0.1 U	**1.7**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2405	0.17
HC-102	HC102-S3	8/20/1990	8.5	0.2 U	0.2 U	**0.33**	0.1 U	**1.1**	**2**	**0.59**	**2.5**	**1.7**	0.2 U	**3.1**	0.2 U	**0.58**	0.2 U	**1.1**	**2.9**	1.64	1.625
HC-102	HC102-S4	8/20/1990	11.5	0.1 U	0.1 U	0.1 U	**0.23**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0935	0.023
HC-103	HC103-S3	8/21/1990	6.5	0.1 U	0.1 U	0.06 J	**11**	**0.22**	**0.43**	**0.15**	**0.53**	**0.28**	0.1 U	0.11	0.1 U	**0.14**	0.1 U	0.1 U	0.37	1.4378	1.4328
HC-103	HC103-S4	8/21/1990	8.5	**30**	**0.5**	**28**	**9.9**	**2.5**	**5.2**	**0.51** J	**6.5**	**11**	**0.23**	**55**	**31**	**0.64**	**25**	**88**	**44**	4.857	4.857
HC-103	HC103-S5	8/21/1990	9.8	**130**	**2.2**	**360**	**0.15**	**7.2**	**14**	**1.8**	**17**	**25**	**0.52**	**310**	0.4 U	**2**	**210**	**360**	**86**	10.817	10.817
HC-103	HC103-S6	8/21/1990	10.8	**1.5**	0.1 U	**0.78**	**0.24**	0.1 U	**0.085** J	0.1 U	**0.11**	**0.2**	0.1 U	**1**	**1.5**	0.1 U	**5.1**	**3.5**	0.91	0.1055	0.0455
HC-103	HC103-S6D(dupl.)	8/21/1990	10.8	**1.5**	0.1 U	**1.4**	0.5 U	**0.065** J	**0.13**	0.1 U	**0.13**	**0.23**	0.1 U	**1.5**	**1.8**	0.1 U	**2.8**	**4.9**	**1.1**	0.1283	0.0933
HC-104	HC104-S2	8/20/1990	5.2	0.5 U	0.5 U	0.5 U	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.34** J	**0.44** J	0.5 U	0.3575	0
HC-104	HC104-S3	8/20/1990	6.2	0.1 U	0.1 U	0.1 U	0.4 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0905	0
HC-104	HC104-S4	8/20/1990	8.5	0.4 U	0.4 U	0.4 U	0.1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.287	0
HC-104	HC104-S5	8/20/1990	11	0.1 U	0.1 U	0.1 U	**0.53**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1235	0.053

Table 2
Soil Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benz[a]anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	Total cPAHs (U=1/2 MRL)	Total cPAHs (U=0)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**4,800**	**4,800**	**24,000**	**0.00040**	**0.13**	**1.37**	**0.031**	**13.7**	**0.004**	**0.14**	**3,200**	**3,200**	**1.37**	**1,600**	**0.10**	**2,400**	**NV**	**NV**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.017**	**0.069**	**0.22**	**0.00040**	**0.00022**	**0.00063**	**0.031**	**0.00065**	**0.003**	**0.0010**	**0.16**	**0.024**	**0.0009**	**0.00047**	**0.10**	**1.0**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.00014**	**0.000091**	**0.000088**	**0.00018**	**0.00022**	**0.00018**	**0.00034**	**0.00036**	**0.00019**	**0.00034**	**0.00028**	**0.00015**	**0.00062**	**0.00022**	**0.00032**	**0.00026**	**NV**	**NV**
HC-105	HC105-S2	8/22/1990	6	0.1 U	0.1 U	0.13	0.1 U	**0.26**	**0.63**	**0.097** J	**0.65**	**0.5**	0.1 U	**0.81**	0.1 U	**0.12**	0.1 U	**0.47**	0.7	0.415	0.405
HC-105	HC105-S3	8/22/1990	8.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-105	HC105-S4	8/22/1990	11.3	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-105	HC105-S5	8/22/1990	13.5	0.1 U	0.1 U	0.1 U	**1.4**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2105	0.14
HC-106	HC106-S1	8/21/1990	3.5	**0.17**	0.1 U	**0.46**	**18**	**1.1**	**2.2**	**0.62**	**2.3**	**1.3**	**0.15**	**2.9**	**0.23**	**0.63**	0.1 U	**1.7**	**3.2**	3.441	3.441
HC-106	HC106-S2	8/21/1990	5.3	**17**	**0.32**	**33**	**0.53**	**8.6**	**16**	**3.4**	**16**	**20**	**1.1**	**38**	**15**	**3.8**	**20**	**61**	**41**	12.543	12.543
HC-106	HC106-S3	8/21/1990	7.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.51**	0.1 U	**1**	0.1 U	0.1 U	0.1 U	**1.2**	0.95	0.0801	0.0051
HC-106	HC106-S3D(dupl.)	8/21/1990	7.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.054 J	0.1 U	0.1 U	0.1 U	0.061 J	0.054 J	0.0755	0
HC-106	HC106-S4	8/21/1990	11	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-106	HC106-S5	8/21/1990	13.5	0.1 U	0.1 U	0.1 U	**14**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.4705	1.4
HC-107	HC107-S1	8/21/1990	3	**0.67**	0.1 U	**4.5**	0.1 U	**8.6**	**17**	**3.5**	**18**	**12**	**1**	**29**	**0.97**	**3.8**	0.1 U	**14**	**23**	12.705	12.48
HC-107	HC107-S2	8/21/1990	5.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-107	HC107-S3	8/21/1990	7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-107	HC107-S4	8/21/1990	10	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-107	HC107-S5	8/21/1990	13	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-108	HC108-S3	8/22/1990	6	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.054 J	0.1 U	0.0755	0
HC-108	HC108-S4	8/22/1990	8	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-108	HC108-S5	8/22/1990	10	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-108	HC108-S6	8/22/1990	13	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-109	HC109-S2	8/21/1990	NR	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.077 J	0.1 U	0.0755	0
HC-109	HC109-S3	8/21/1990	NR	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-109	HC109-S5	8/21/1990	NR	0.1 U	0.1 U	0.1 U	**0.25**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0955	0.025
HC-110	HC110-S1	8/21/1990	2.5	0.1 U	0.1 U	0.082 J	**0.38**	**0.16**	**0.34**	**0.083** J	**0.4**	**0.24**	0.1 U	**0.55**	0.1 U	**0.081** J	0.1 U	**0.33**	0.47	0.2875	0.2825
HC-110	HC110-S3	8/21/1990	5.5	0.1 U	0.1 U	0.065 J	**14**	**0.32**	**0.58**	**0.18**	**0.6**	**0.41**	0.1 U	**0.57**	0.1 U	**0.16**	0.1 U	**0.25**	0.69	1.8631	1.8581
HC-110	HC110-S4	8/21/1990	7	**1.1**	**0.87**	**4.8**	0.1 U	**12**	**17**	**6.5**	**18**	**12**	**0.46**	**27**	**2.2**	**6**	**0.11**	**23**	**34**	16.271	16.1
HC-110	HC110-S5	8/21/1990	10	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
HC-110	HC110-S6	8/21/1990	13	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
SB-1	SB1-0-1FT	12/16/2009	0 - 1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.057**	0.022 U	0.022 U	0.01661	0
SB-1	SB1-4-5FT	12/16/2009	4 - 5	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.01661	0
SB-2	SB2-0-1FT	12/16/2009	0 - 1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.048**	0.075	0.02 U	0.0151	0
SB-2	SB2-4-5FT	12/16/2009	4 - 5	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.043	0.01737	0
SB-3	SB3-0-1FT	12/16/2009	0 - 1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.05	0.022 U	0.022 U	0.022 U	0.022 U	0.37	0.01661	0
SB-3	SB3-4-5FT	12/16/2009	4 - 5	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.01661	0
SB-4	SB4-0-1FT	12/16/2009	0 - 1	0.022 U	0.022 U	0.022 U	0.022 U	**0.28**	**0.13**	**0.074**	**0.084**	0.022 U	0.022 U	0.061	0.022 U	0.022 U	**0.028**	0.022 U	0.17	0.30481	0.3014
SB-4	SB4-4-5FT	12/16/2009	4 - 5	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.075	0.01586	0
SB-5	SB5-0-1FT	12/16/2009	0 - 1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.036	0.01661	0
SB-5	SB5-4-5FT	12/16/2009	4 - 5	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.01661	0
SB-6	SB6-0-1FT	12/16/2009	0 - 1	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.023 U	0.01737	0
SB-6	SB6-4-5FT	12/16/2009	4 - 5	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.01586	0
SB-7	SB7-0-1FT	12/16/2009	0 - 1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0755	0
SB-7	SB7-4-5FT	12/16/2009	4 - 5	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.037	0.022 U	0.01661	0
SB-8	SB8-0-1FT	12/16/2009	0 - 1	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.028	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.01586	0
SB-8	SB8-4-5FT	12/16/2009	4 - 5	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.01963	0
SB-9	SB9-0-1FT	12/16/2009	0 - 1	**0.12**	0.024 U	**0.66**	**0.14**	**0.14**	**0.14**	**0.12**	**0.082**	**0.2**	**0.053**	**0.43**	0.024 U	**0.11**	**0.059**	**0.43**	0.58	0.1945	0.1945
SB-9	SB9-4-5FT	12/16/2009	4 - 5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.01888	0
SB-10	SB10-1-0FT	12/16/2009	0 - 1	0.022 U	0.022 U	0.16	**0.07**	**0.36**	**0.084**	0.022 U	**0.049**	**0.045**	0.022 U	**0.17**	0.022 U	0.022 U	0.022 U	**0.17**	0.22	0.38295	0.38075
SB-10	SB10-4-5FT	12/16/2009	4 - 5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.01888	0
SB-11	SB11-0-1FT	12/16/2009	0 - 1	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.01586	0
SB-11	SB11-4-5FT	12/16/2009	4 - 5	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.01963	0
SCV-12	SCV-12'	7/17/2012	12	**0.041**	0.0052	**0.49**	**0.25**	**0.27**	**0.33**	**0.15**	**0.12**	**0.63**	**0.043**	**0.52**	**0.045**	**0.19**	**0.012**	**0.3**	0.58	0.3696	0.3696
SLR-1	SLR1-1	8/22/2011	1 - 1.5	0.0011 U	0.0025 U	0.0018 U	**0.0016**	**0.0025**	**0.0037**	0.0062	0.0014 U	0.0027	0.0011 U	0.0039	0.0029 U	**0.0039**	**0.003**	0.0024	0.0043	0.00357	0.00345
SLR-1	SLR1-6	8/22/2011	6 - 6.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-1	SLR1-10	8/22/2011	10 - 10.5	0.0011 U	0.0025 U	0.0018 U	**0.0011**	**0.0016**	**0.0014**	0.011	0.0014 U	0.0011	0.0011 U	0.0015	0.0029 U	0.0009	0.0011 U	0.0024 U	0.0022	0.00208	0.00195
SLR-2	SLR2-1	8/19/2011	1 - 1.5	0.0011 U	0.0025 U	0.0018 U	**0.002**	**0.0016**	**0.0048**	0.0037	0.0014 U	**0.0035**	0.0011 U	0.0014 U	0.0029 U	**0.0028**	0.0011 U	0.0024 U	0.0013 U	0.00272	0.0026
SLR-2	SLR2-6	8/22/2011	6 - 6.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-2	SLR2-10	8/19/2011	10 - 10.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-3	SLR3-1	8/19/2011	1 - 1.5	0.0011 U	0.0025 U	0.0018 U	**0.042**	**0.036**	**0.055**	**0.034**	**0.018**	**0.06**	0.0011 U	0.074	0.0029 U	**0.028**	0.0011 U	0.044	0.077	0.05096	0.0509
SLR-3	SLR3-6	8/22/2011	6 - 6.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-3	SLR3-10	8/19/2011	10 - 10.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-4	SLR4-1	8/19/2011	1 - 1.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-4	SLR4-5	8/19/2011	5 - 5.5	0.0011 U	0.0025 U	0.036	0.0009 U	**0.014**	**0.018**	0.015	**0.0059**	**0.032**	**0.0041**	0.0014 U	0.0029 U	**0.015**	**0.0017**	0.005	0.0013	0.01867	1.01789
SLR-4	SLR4-10	8/19/2011	10 - 10.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-5	SLR5-3	8/22/2011	3 - 3.5	**0.28**	0.0025 U	0.0018 U	**0.02**	0.0013 U	0.0014 U	0.0009 U	0.0014 U	**0.077**	0.0011 U	0.098	**1.3**	0.0007 U	0.0011 U	**1.9**	0.24	0.00365	0.00277
SLR-5	SLR5-6	8/22/2011	6 - 6.5	**0.27**	0.25 U	0.18 U	0.09 U	0.13 U	0.14 U	0.09 U	0.14 U	**0.12**	0.11 U	0.14 U	**1.2**	0.07 U	0.11 U	**2.1**	0.36	0.0937	0.0012
SLR-5	SLR5-10	8/22/2011	10 - 10.5	0.0011 U	0.0025 U	0.0018 U	**0.0013**	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0016	0.0011 U	0.0056	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0049	0.00103	0.00015
SLR-6	SLR6-1	8/19/2011	1 - 1.5	0.0011 U	0.0025 U	0.0018 U	**0.005**	**0.0085**	**0.011**	0.015	**0.0041**	**0.0083**	**0.0023**	0.012	0.0029 U	**0.011**	**0.0017**	0.0076	0.011	0.01192	0.01192
SLR-6	SLR6-5	8/19/2011	5 - 5.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-6	SLR6-10	8/19/2011	10 - 10.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-7	SLR7-1	8/22/2011	1 - 1.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0
SLR-7	SLR7-5	8/22/2011	5 - 5.5	0.0011 U	0.0025 U	0.0018 U	**0.0037**	0.0013 U	0.0014 U	0.011	0.0014 U	**0.0073**	0.0011 U	0.005	0.0029 U	**0.0056**	**0.005**	0.0024 U	0.0097	0.00185	0.001
SLR-7	SLR7-10	8/22/2011	10 - 10.5	0.0011 U	0.0025 U	0.0018 U	0.0009 U	0.0013 U	0.0014 U	0.0009 U	0.0014 U	0.0009 U	0.0011 U	0.0014 U	0.0029 U	0.0007 U	0.0011 U	0.0024 U	0.0013 U	0.00093	0

Table 2
Soil Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benz[a]anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	Total cPAHs (U=1/2 MRL)	Total cPAHs (U=0)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**4,800**	**4,800**	**24,000**	**0.00040**	**0.13**	**1.37**	**0.031**	**13.7**	**0.004**	**0.14**	**3,200**	**3,200**	**1.37**	**1,600**	**0.10**	**2,400**	**NV**	**NV**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.017**	**0.069**	**0.22**	**0.00040**	**0.00022**	**0.00063**	**0.031**	**0.00065**	**0.003**	**0.0010**	**0.16**	**0.024**	**0.0009**	**0.00047**	**0.10**	**1.0**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.00014**	**0.000091**	**0.000088**	**0.00018**	**0.00022**	**0.00018**	**0.00034**	**0.00036**	**0.00019**	**0.00034**	**0.00028**	**0.00015**	**0.00062**	**0.00022**	**0.00032**	**0.00026**	**NV**	**NV**
TP100810	TP100810-9.5	1/1/2010	9.5	**0.5**	**0.5**	**0.5**	**0.54**	**0.81**	**0.83**	**0.64**	**0.61**	**1.2**	**0.5**	**1.6**	**0.5**	**0.61** J	**0.79**	**2.9**	**1.7**	1.131	1.131
Trench 1-1	TRENCH1-1-8'	7/19/2012	8	**0.069**	0.0039	**0.39**	**0.035**	**0.025**	**0.036**	0.016	**0.013**	**0.082**	**0.0049**	0.13	**0.069**	**0.019**	**0.2**	**0.2**	0.098	0.03661	0.03661
Trench 1-2	TRENCH1-2-9'	7/19/2012	9	**0.077**	**0.093**	**0.67**	**0.41**	**0.44**	**0.57**	**0.27**	**0.2**	**0.6**	**0.096**	**0.98**	**0.18**	**0.32**	**0.046**	**0.86**	0.98	0.6056	0.6056
Trench 2-1	TRENCH2-1-8'	7/24/2012	8	0.0013	0.00012 U	0.00018 U	**0.00046**	0.00083 U	0.00115 U	0.0009 U	0.00121 U	0.00055 U	0.00081 U	0.00013 U	0.0053	0.0009 U	**0.011**	0.0019	0.00016 U	0.00067	4.6E-05
Trench 4-1	TRENCH4-1-3.0'	7/26/2012	3	0.00057	0.00012 U	0.00047	**0.0022**	**0.0026**	**0.0032**	0.0021	0.00121 U	**0.0032**	0.0004	0.0038	0.00074	**0.0022**	**0.00063**	0.0036	0.0045	0.00349	0.00343

Notes:
Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels.
Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels.
Non-detected values highlighted in blue exceed the preliminary soil cleanup levels.
Results that exceed the screening levels due to possible interference from laboratory contamination are highlighted in purple.
mg/kg = milligrams per kilogram
NA = Not Analyzed
ND = Analyte not detected; however, detection limit not available.
NR = Not Recorded
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
B = The laboratory report noted that the analyte detected in sample and method blank and the reported result is sample concentration without blank correction or associated quantitation limit.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
K = The laboratory report noted that the reported result with unknown bias.
J = The laboratory report noted that the analyte was postively identified and the reported result is an estimate.
J = The laboratory report noted that the analyte was postively identified and the reported result is an estimate and that the analyte detected in sample and method blank and the presence may be attributable to field/lab contamination.
M = The laboratory report indicated that reported value is an estimate, but with low spectral match parameters.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 3
Soil Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

				PCBs							Petroleum Hydrocarbons			
Location	Sample ID	Sample Date	Sample Depth (Feet)	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Gasoline Range Organics (mg/kg)	Diesel Range Organics (mg/kg)	Heavy Oil Range Organics (mg/kg)	Total Petroleum Hydrocarbons (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.6**	**0.033**	**0.033**	**0.033**	**0.033**	**0.5**	**0.5**	**30**	**2,000**	**2,000**	**2,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**30**	**200**	**2,000**	**2,000**
2013 Practical Quantitation Limits (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.2**	**11.8**	**21**	**21**
CMW-1	CMW-1-5	6/12/2008	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2	50	250	NA
CMW-2	CMW-2A-4	6/12/2008	4	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2	50	250	NA
CMW-3	CMW-3-5	6/12/2008	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2	50	250	NA
CMW-3	CMW-3-10	6/12/2008	10	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.3**	0.1 U	2	120	250	NA
CMW-4	CMW-4-5	6/13/2008	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.2**	0.1 U	2	50	250	NA
CMW-5	CMW-5-5	6/13/2008	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2	110	510	NA
CMW-6	CMW-6-5	6/13/2008	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.3**	0.1 U	2	72	570	NA
CMW-7	CMW-7-5	6/13/2008	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.7**	0.1 U	2	**5,000**	**7,500**	NA
CMW-7	CMW-7-7	6/13/2008	7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.2**	0.1 U	**110**	**310**	250	NA
DB1	DB1-5.0	4/17/1990	5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB1	DB1-6.5	4/17/1990	6.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB1	DB1-9.5	4/17/1990	9.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW2	DB2-3.5	4/17/1990	3.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW2	DB2-4.5	4/17/1990	4.5	0.06 U	NA	NA	0.06 U	0.06 U	0.12 U	0.40 U	NA	NA	NA	25 U
DMW2	DB2-7	4/17/1990	7	0.05 U	NA	NA	0.05 U	0.05 U	0.09 U	0.13 U	NA	NA	NA	88
DMW2	DB2-9.5	4/17/1990	9.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW2	DB2-12	4/17/1990	12	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW2	DB2-18	4/17/1990	18	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW3	DB3-2	4/18/1990	2	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW3	DB3-3.5	4/18/1990	3.5	0.05 U	NA	NA	0.05 U	0.05 U	0.40 U	0.40 U	NA	NA	NA	25 U
DMW3	DB3-6	4/18/1990	6	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW3	DB3-7.5	4/18/1990	7.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW3	DB3-9	4/18/1990	9	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW3	DB3-13.5	4/18/1990	13.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW3	DB3-17	4/18/1990	17	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB4	DB4-6.0	4/19/1990	6	0.05 U	NA	NA	0.05 U	0.05 U	0.13 U	0.1 U	NA	NA	NA	25 U
DB4	DB4-8.5	4/19/1990	8.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	330
DB4	DB4-11.0	4/19/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB5	DB5-2.0	4/18/1990	2	0.05 U	NA	NA	0.05 U	0.08 U	0.2 U	0.2 U	NA	NA	NA	25 U
DB5	DB5-8.0	4/18/1990	8	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	**2,600**
DB5	DB5-11.0	4/18/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DMW6	DB6-2	4/19/1990	2	0.05 U	NA	NA	0.05 U	0.05 U	**0.32**	0.17 U	NA	NA	NA	500
DMW6	DB6-4.5	4/19/1990	4.5	1 U	NA	NA	1.00 U	1 U	**2.5**	0.05 U	NA	NA	NA	**14,000**
DMW6	DB6-7	4/19/1990	7	0.07 U	NA	NA	0.07 U	0.07 U	0.5 U	0.3 U	NA	NA	NA	1,600
DMW6	DB6-10	4/19/1990	10	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25
DMW6	DB6-13	4/19/1990	13	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	600
DMW6	DB6-16	4/19/1990	16	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25
DMW6	DB6-18.5	4/19/1990	18.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25
DB7	DB7-6.0	4/18/1990	6	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB7	DB7-8.5	4/18/1990	8.5	0.05 U	NA	NA	0.05 U	0.05 U	**0.076**	0.05 U	NA	NA	NA	25 U
DB7	DB7-11.5	4/18/1990	11.5	0.05 U	NA	NA	0.05 U	0.05 U	**0.21**	0.14 U	NA	NA	NA	25 U
DB8	DB8-5.0	4/19/1990	5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB8	DB8-8.0	4/19/1990	8	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB8	DB8-11.0	4/19/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB9	DB9-5.0	4/19/1990	5	0.05 U	NA	NA	0.05 U	0.05 U	**0.07**	0.05 U	NA	NA	NA	480
DB9	DB9-8.0	4/19/1990	8	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB9	DB9-11.0	4/19/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	25 U
DB10	DB10-5.0	4/20/1990	5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	**0.13**	NA	NA	NA	10 U
DB10	DB10-8.0	4/20/1990	8	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	17
DB10	DB10-11.0	4/20/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	43
DB11	DB11-6.5	4/18/1990	6.5	0.05 U	NA	NA	0.05 U	0.05 U	**0.13**	0.05 U	NA	NA	NA	25 U
DB11	DB11-8.0	4/18/1990	8	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U	1 U	NA	NA	NA	**29,000**
DB11	DB11-9.5	4/26/1990	9.5	0.05 U	NA	NA	0.05 U	0.05 U	0.1 U	0.1 U	NA	NA	NA	2,600 U
DB12	DB12-5.0	4/26/1990	5	0.1 U	NA	NA	0.1 U	0.1 U	0.1 U	**0.11**	NA	NA	NA	910
DB12	DB12-11.5	4/26/1990	11.5	0.1 U	NA	NA	0.1 U	0.1 U	0.1 U	**2.1**	NA	NA	NA	1,100
DB13	DB13-11.0	4/26/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	140
DB14	DB14-9.5	4/26/1990	9.5	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10 U

Table 3
Soil Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

				PCBs							Petroleum Hydrocarbons			
Location	Sample ID	Sample Date	Sample Depth (Feet)	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Gasoline Range Organics (mg/kg)	Diesel Range Organics (mg/kg)	Heavy Oil Range Organics (mg/kg)	Total Petroleum Hydrocarbons (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.6**	**0.033**	**0.033**	**0.033**	**0.033**	**0.5**	**0.5**	**30**	**2,000**	**2,000**	**2,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**30**	**200**	**2,000**	**2,000**
2013 Practical Quantitation Limits (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.2**	**11.8**	**21**	**21**
Diesel Tank Excavation	BV-1A-B	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Diesel Tank Excavation	NS-V-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Diesel Tank Excavation	SS-V-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Diesel Tank Excavation	WS-V-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Diesel Tank Excavation	Diesel - 2nd Stockpile	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Diesel Tank Excavation	Diesel - Stockpile/9Ft	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.29	**400**	1,100	NA
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	110	NA
EB-5	EB-5-10.0	6/18/2013	9 - 11	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	9.8	180	51	NA
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	1.7	150	21 U	NA
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	47	560	NA
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	NA	30	170	NA
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	NA	12 U	21 U	NA
EB-14	EB-14-12.5	6/17/2013	12 - 13	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	NA	NA	NA
EB-16	EB-16-2.5'	6/19/2013	2 - 3	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	**1,100**	**2,400**	NA
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	NA	12 U	21 U	NA
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	100	200	NA
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	69	NA
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	NA	12 U	21 U	NA
EB-17	EB-17-12.5	6/17/2013	12 - 13	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	NA	NA	NA
EB-24	EB-24-1.0	6/17/2013	1 - 2	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	**0.19**	0.17 U	11	**2,700**	710	NA
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	12 U	83	NA
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	630	NA
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	**0.3**	**0.38**	7.4	**280**	600	NA
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EB-32	EB-32-12.5	6/14/2013	12 - 13	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	**0.057**	0.033 U	NA	12 U	21 U	NA
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	0.033 UJ	NA	**350**	910	NA
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	52	**2,200**	NA
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	**0.12**	0.033 U	NA	38	73	NA
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	**0.85**	0.17 U	NA	67	160	NA
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-41	EB-91-10.0 (dupl.)	6/14/2013	9 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	100	630	NA
EB-45	EB-45-7.5	6/10/2013	7.0 - 8.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-46	EB-46-2.5	6/14/2013	2 - 3	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.54	**210**	1,200	NA
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	12 U	66	NA
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	**0.17**	**0.16**	NA	19	80	NA
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EB-50	EB-50-7.5	6/14/2013	7 - 8	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	15	110	NA
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	45	NA
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	**0.36**	0.066 U	NA	39	250	NA
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	**1,400**	**350**	34	NA
EB-51	EB-51-10.0	6/13/2013	9 - 10	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	**36**	20	66	NA

Table 3
Soil Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

				PCBs							Petroleum Hydrocarbons			
Location	Sample ID	Sample Date	Sample Depth (Feet)	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Gasoline Range Organics (mg/kg)	Diesel Range Organics (mg/kg)	Heavy Oil Range Organics (mg/kg)	Total Petroleum Hydrocarbons (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.6**	**0.033**	**0.033**	**0.033**	**0.033**	**0.5**	**0.5**	**30**	**2,000**	**2,000**	**2,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**30**	**200**	**2,000**	**2,000**
2013 Practical Quantitation Limits (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.2**	**11.8**	**21**	**21**
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	110	NA
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-2S	EMW-2S-2.5	6/17/2013	2 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-2S	EMW-2S-5.0	6/17/2013	4 - 5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-2S	EMW-2S-10.0	6/17/2013	9.5 - 11	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-3S	EMW-3S-1.0	6/11/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	14	110	NA
EMW-3S	EMW-3S-5.0	6/11/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-3S	EMW-3S-7.5	6/11/2013	7.0 - 8.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-3S	EMW-3S-12.5	6/11/2013	12.0 - 13.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-3S	EMW-3S-15.0	6/11/2013	14.5 - 15.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-3S	EMW-89S-5.0(dupl.)	6/11/2013	14.5 - 15.5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	31	560	NA
EMW-4D	EMW-4D-2.5'	6/17/2013	2 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-4D	EMW-4D-5.0'	6/17/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-4D	EMW-4D-7.5'	6/17/2013	7 - 8	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	190	NA
EMW-5S	EMW-5S-2.5	6/13/2013	2.0 - 3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-5S	EMW-5S-6.5	6/13/2013	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-5S	EMW-5S-7.50	6/13/2013	7 - 8	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	NA	12 U	21 U	NA
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	NA	12 U	21 U	NA
EMW-5S	EMW-5S-12.5	6/13/2013	12 - 13	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	NA	NA	NA
EMW-6S	EMW-6S-1.0	6/12/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	270	NA
EMW-6S	EMW-6S-2.5	6/12/2013	2.0 - 3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-6S	EMW-6S-7.5	6/12/2013	7.0 - 8.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-6S	EMW-6S-10.0	6/12/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-7S	EMW-7S-1.0	6/13/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	**0.079**	NA	**1,800**	**3,100**	NA
EMW-7S	EMW-7S-5.0	6/13/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-7S	EMW-7S-10.0	6/13/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-8S	EMW-8S-1.0	6/12/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-8S	EMW-8S-5.0	6/12/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	99	69	NA
EMW-8S	EMW-8S-10.0	6/12/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-9S	EMW-9S-1.0	6/13/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-9S	EMW-9S-5.0	6/13/2013	4.5 - 5.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	12 U	21 U	NA
EMW-9S	EMW-9S-10.0	6/13/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	82	260	NA
EMW-10D	EMW-10D-1.0'	6/19/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	48	NA
EMW-10D	EMW-10D-5.0'	6/19/2013	4.5 - 5.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	**18,000**	**14,000**	NA
EMW-10D	EMW-10S-5.0'(dupl.)	6/19/2013	4.5 - 5.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	**23,000**	**19,000**	NA
EMW-10D	EMW-10D-10.0'	6/19/2013	9.5 - 10.5	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	NA	12 U	21 U	NA
EMW-10D	EMW-10D-15.0'	6/19/2013	14.5 - 15.5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	NA	**1,200**	650	NA
EMW-10D	EMW-10D-35.0'	6/19/2013	34.5 - 35.5	33 U	33 U	33 U	33 U	33 U	33 U	33 U	NA	**11,000**	**10,000**	NA
EMW-10D	EMW-10D-50.0'	6/19/2013	49 - 50	NA	NA	NA	NA	NA	NA	NA	NA	12 U	21 U	NA
EMW-11S	EMW-11S-1.0	6/12/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	32	NA
EMW-11S	EMW-11S-5.0	6/12/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	34	NA
EMW-11S	EMW-11S-10.0	6/12/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-12S	EMW-12S-1.0	6/11/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EMW-12S	EMW-12S-5.0	6/11/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EMW-12S	EMW-12S-10.0	6/11/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EMW-12S	EMW-12S-15.0	6/11/2013	14.5 - 15.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EMW-13S	EMW-13S-1.0	6/11/2013	0.5 - 1.5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.2 U	12 U	100	NA
EMW-13S	EMW-13S-5.0	6/11/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
EMW-13S	EMW-13S-7.5	6/11/2013	7 - 8	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	4.6	**230**	550	NA
EMW-13S	EMW-13S-12.5	6/11/2013	12 - 13	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	**250**	460	NA
EMW-14D	EMW-14D-1.0'	6/17/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-14D	EMW-14D-5.0'	6/17/2013	4.5 - 5.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	23	350	NA
EMW-14D	EMW-14D-10.0'	6/17/2013	9.5 - 10.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	180	1,200	NA
EMW-15D	EMW-15D-1.0'	6/18/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	NA	12 U	21 U	NA
EMW-15D	EMW-15D-5.0'	6/18/2013	4.5 - 5.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	41	180	NA
EMW-15D	EMW-15D-10.0'	6/18/2013	9.5 - 10.5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	NA	95	510	NA

Table 3
Soil Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

				PCBs							Petroleum Hydrocarbons			
Location	Sample ID	Sample Date	Sample Depth (Feet)	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Gasoline Range Organics (mg/kg)	Diesel Range Organics (mg/kg)	Heavy Oil Range Organics (mg/kg)	Total Petroleum Hydrocarbons (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.6**	**0.033**	**0.033**	**0.033**	**0.033**	**0.5**	**0.5**	**30**	**2,000**	**2,000**	**2,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**30**	**200**	**2,000**	**2,000**
2013 Practical Quantitation Limits (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.2**	**11.8**	**21**	**21**
EMW-16D	EMW-16D-1.0'	6/18/2013	0.5 - 1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.29	21	61	NA
EMW-16D	EMW-16D-5.0'	6/18/2013	4.5 - 5.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	**470**	820	NA
EMW-16D	EMW-16D-10.0'	6/18/2013	9.5 - 10.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.2 U	12 U	21 U	NA
FMW-1	FB-1-2	4/23/1990	2	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FMW-1	FB-1-7	4/23/1990	7	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FMW-1	FB-1-13	4/23/1990	13	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FMW-2	FB-2-2	4/20/1990	2	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	27
FMW-2	FB-2-5.5	4/20/1990	5.5	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FMW-2	FB-2-8	4/20/1990	8	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FMW-2	FB-2-18.5	4/20/1990	18.5	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FMW-3	FB-3-3	4/23/1990	3	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FMW-3	FB-3-3.5	4/23/1990	3.5	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	27
FMW-3	FB-3-13.5	4/23/1990	13.5	0.05 U	ND	ND	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	14
FB-4	FB4-2.0	4/20/1990	2	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FB-4	FB4-8.0	4/20/1990	8	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FB-4	FB4-11.0	4/20/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FB-5	FB5-2.0	4/20/1990	2	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FB-5	FB5-8.0	4/20/1990	8	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FB-5	FB5-11.0	4/20/1990	11	0.05 U	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA	NA	10
FSS2	FSS2	6/12/1988	0.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
FSS3	FSS3	6/12/1988	0.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
HA-1	HA1-2.0-2.5	7/6/1994	2 - 2.5	NA	NA	NA	NA	NA	NA	NA	20 U	50 U	100 U	NA
HA-2	HA2-3.0-3.5	7/6/1994	3 - 3.5	NA	NA	NA	NA	NA	NA	NA	20 U	50 U	100 U	NA
HA-13	HA13-3.0-3.5	7/6/1994	3 - 3.5	NA	NA	NA	NA	NA	NA	NA	20 U	50 U	100 U	NA
HA-13	HA13-6.0-6.5	7/6/1994	6 - 6.5	NA	NA	NA	NA	NA	NA	NA	20 U	50 U	100 U	NA
HC-1	HC1-S1	11/7/1988	2.5 - 2.75	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	**0.5**	0.073 U	NA	NA	NA	NA
HC-2	HC2-S2	11/7/1988	5	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.099 U	0.099 U	NA	NA	NA	NA
HC-4	HC4-S2	11/7/1988	4	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	**0.22**	0.076 U	NA	NA	NA	NA
HC-103	HC103-S5	8/21/1990	9.8	NA	NA	NA	NA	NA	NA	NA	5 U	**940**	NA	NA
HC-103	HC103-S6	8/21/1990	10.8	NA	NA	NA	NA	NA	NA	NA	5 U	15	NA	NA
HC-106	HC106-S2	8/21/1990	5.3	NA	NA	NA	NA	NA	NA	NA	5 U	**1,400**	NA	NA
HC-106	HC106-S3	8/21/1990	7.5	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	NA	NA
HC-106	HC106-S4	8/21/1990	11	NA	NA	NA	NA	NA	NA	NA	5 U	5 U	NA	NA
MW-3	MW3-5.0-5.5	7/6/1994	5.0 - 5.5	NA	NA	NA	NA	NA	NA	NA	20 U	50 U	100 U	NA
SB-1	SB1-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.11 U	50 E	690	NA
SB-1	SB1-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.11 U	68	270	NA
SB-2	SB2-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.13 U	43 E	1,300	NA
SB-2	SB2-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.24	4.6 U	72	NA
SB-3	SB3-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.11 U	20 E	450	NA
SB-3	SB3-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.12 U	4.6	130	NA
SB-4	SB4-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.11 U	20 E	430	NA
SB-4	SB4-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.11 U	26	180	NA
SB-5	SB5-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.11 U	6.6	110	NA
SB-5	SB5-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.11 U	4.6 U	87	NA
SB-6	SB6-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.11 U	30	110	NA
SB-6	SB6-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.11 U	4.2 U	11 U	NA
SB-7	SB7-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.1 U	43 E	910	NA
SB-7	SB7-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.11 U	30 E	1,400	NA
SB-8	SB8-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.11 U	60 E	870	NA
SB-8	SB8-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.13 U	5.2 U	13 U	NA
SB-9	SB9-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.15 U	19	220	NA
SB-9	SB9-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.12 U	5 U	12 U	NA
SB-10	SB10-1-0FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.13 U	19 E	640	NA
SB-10	SB10-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.12 U	4.9 U	17	NA
SB-11	SB11-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.11 J	150	1,400	NA
SB-11	SB11-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.13 U	5.2 U	13 U	NA
SCV	SCV-12'	7/17/2012	12	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1	69	240	NA
SLR-1	SLR1-1	8/22/2011	1 - 1.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	25.9 U	39.2 U	NA
SLR-1	SLR1-6	8/22/2011	6 - 6.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	25.9 U	39.2 U	NA
SLR-1	SLR1-10	8/22/2011	10 - 10.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	25.9 U	39.2 U	NA

Table 3
Soil Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

				PCBs							Petroleum Hydrocarbons			
Location	Sample ID	Sample Date	Sample Depth (Feet)	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Gasoline Range Organics (mg/kg)	Diesel Range Organics (mg/kg)	Heavy Oil Range Organics (mg/kg)	Total Petroleum Hydrocarbons (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**5.6**	**0.033**	**0.033**	**0.033**	**0.033**	**0.5**	**0.5**	**30**	**2,000**	**2,000**	**2,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**30**	**200**	**2,000**	**2,000**
2013 Practical Quantitation Limits (mg/kg)				**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.033**	**0.2**	**11.8**	**21**	**21**
SLR-2	SLR2-1	8/19/2011	1 - 1.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-2	SLR2-6	8/22/2011	6 - 6.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	25.9 U	67	NA
SLR-2	SLR2-10	8/19/2011	10 - 10.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-3	SLR3-1	8/19/2011	1 - 1.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-3	SLR3-6	8/22/2011	6 - 6.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	25.9 U	39.2 U	NA
SLR-3	SLR3-10	8/19/2011	10 - 10.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-4	SLR4-1	8/19/2011	1 - 1.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-4	SLR4-5	8/19/2011	5 - 5.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-4	SLR4-10	8/19/2011	10 - 10.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-5	SLR5-3	8/22/2011	3 - 3.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	**18,000**	**6,300**	NA
SLR-5	SLR5-6	8/22/2011	6 - 6.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	2.6	**3,800**	2,000	NA
SLR-5	SLR5-7.5	8/22/2011	7.5 - 8	NA	NA	NA	NA	NA	NA	NA	NA	80	39.2 U	NA
SLR-5	SLR5-10	8/22/2011	10 - 10.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	29	77	NA
SLR-6	SLR6-1	8/19/2011	1 - 1.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-6	SLR6-5	8/19/2011	5 - 5.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-6	SLR6-10	8/19/2011	10 - 10.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1.5 U	25.9 U	39.2 U	NA
SLR-7	SLR7-1	8/22/2011	1 - 1.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	25.9 U	39.2 U	NA
SLR-7	SLR7-5	8/22/2011	5 - 5.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	**350**	760	NA
SLR-7	SLR7-10	8/22/2011	10 - 10.5	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	NA	NA	1.5 U	25.9 U	39.2 U	NA
SS-1	SS1	11/8/1988	0 - 0.5	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U	0.078 U	0.078 U	NA	NA	NA	NA
SS-2	SS2	11/8/1988	0 - 0.5	0.043 U	0.043 U	0.043 U	0.043 U	0.043 U	0.088 U	0.088 U	NA	NA	NA	NA
SS-3	SS3	11/8/1988	0 - 0.5	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.075 U	0.075 U	NA	NA	NA	NA
SS-4	SS4	11/8/1988	0 - 0.5	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	**0.12**	0.079 U	NA	NA	NA	NA
SS-5	SS5	11/8/1988	0 - 0.5	0.039 U	0.039 U	0.039 U	0.039 U	**0.89**	0.079 U	0.079 U	NA	NA	NA	NA
TP100810	TP100810-9.5	1/1/2010	9.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	**15,000** X	**16,000**	NA
TRENCH 1-1	TRENCH1-1-8'	7/19/2012	8	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	1	9 U	27 U	NA
TRENCH 1-2	TRENCH1-2-9'	7/19/2012	9	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	2	100	350	NA
TRENCH 2-1	TRENCH2-1-8'	7/24/2012	8	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.5 U	23	74	NA
TRENCH 4-1	TRENCH4-1-3.0'	7/26/2012	3	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.5 U	22 U	11 U	NA

Notes:

Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels.
Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels
Non-detected values highlighted in blue exceed the preliminary soil cleanup levels
mg/kg = milligrams per kilogram.
NA = Not analyzed
ND = Analyte not detected; however, the detection limit was not available
NR = Not recorded.
U = The laboratory report noted that the analyte was not detected at or above the reported resul
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range
X = The laboratory report noted that the sample chromatograph pattern did not resemble the fuel standard used for quantification. The detected concentration was likely due to overlap from oil-range hydrocarbon
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is highe

Table 4
Soil Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	2,3,4,5-Tetrachlorophenol (mg/kg)	2,3,4-Trichlorophenol (mg/kg)	2,3,5,6-Tetrachlorophenol (mg/kg)	2,3,6-Trichlorophenol (mg/kg)	2,4,5-Trichlorophenol (mg/kg)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dichlorophenol (mg/kg)	2,4-Dimethylphenol (mg/kg)	2,4-Dinitrophenol (mg/kg)	2-Chlorophenol (mg/kg)	2-Methylphenol(o-Cresol) (mg/kg)	2-Nitrophenol (mg/kg)	3,4,5-Trichlorophenol (mg/kg)	3-Methylphenol and 4-Methylphenol coelution (mg/kg)	4,6-Dinitro-2-Methylphenol (mg/kg)	4-Chloro-3-methylphenol (mg/kg)	4-Methylphenol(p-Cresol) (mg/kg)	4-Nitrophenol (mg/kg)	Pentachlorophenol (mg/kg)	Phenol (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**8,000**	**80**	**240**	**1,600**	**160**	**400**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**2.5**	**24,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**NV**	**0.008**	**NV**	**0.019**	**NV**	**NV**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**0.033**	**0.043**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**NV**	**NV**	**NV**	**NV**	**0.0097**	**0.008**	**0.0058**	**0.019**	**0.014**	**0.0062**	**0.0064**	**0.0083**	**NV**	**0.014**	**0.011**	**0.0044**	**NV**	**0.018**	**0.0062**	**0.0054**
CMW-1	CMW-1-5	6/12/2008	5	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-2A	CMW-2A-4	6/12/2008	4	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-3	CMW-3-5	6/12/2008	5	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-3	CMW-3-10	6/12/2008	10	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-4	CMW-4-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-5	CMW-5-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-6	CMW-6-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-7	CMW-7-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
CMW-7	CMW-7-7	6/13/2008	7	NA	NA	NA	NA	NA	NA	NA	3 U	NA	NA	0.3 U	NA	NA	NA	NA	NA	0.3 U	NA	0.3 U	0.3 U
DB1	DB1-5.0	4/17/1990	5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.18 U	0.12 U	0.59 U	0.059 U	0.059 U	0.3 U	0.015 U	NA	0.59 U	0.12 U	0.059 U	0.3 U	0.0047 J	0.12 U
DB1	DB1-6.5	4/17/1990	6.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.18 U	0.12 U	0.6 U	0.06 U	0.06 U	0.3 U	0.015 U	NA	0.6 U	0.12 U	0.06 U	0.3 U	0.005 U	0.12 U
DB1	DB1-9.5	4/17/1990	9.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.19 U	0.12 U	0.62 U	0.062 U	0.062 U	0.31 U	0.015 U	NA	0.62 U	0.12 U	0.062 U	0.31 U	0.005 U	0.12 U
DMW2	DB2-3.5	4/17/1990	3.5	0.015 U	0.015 U	0.005 U	0.005 U	0.01 U	0.005 U	0.17 U	0.12 U	0.58 U	0.058 U	0.058 U	0.29 U	0.015 U	NA	0.58 U	0.12 U	0.058 U	0.29 U	0.011	0.12 U
DMW2	DB2-4.5	4/17/1990	4.5	0.015 U	0.015 U	0.005 U	0.005 U	0.01 U	0.005 U	0.92 U	0.61 U	3.1 U	0.31 U	0.31 U	1.5 U	0.015 U	NA	3.1 U	0.61 U	0.31 U	1.5 U	**0.06**	0.61 U
DMW2	DB2-7	4/17/1990	7	0.002	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.18 U	0.12 U	0.59 U	0.059 U	0.059 U	0.3 U	0.046	NA	0.59 U	0.12 U	0.059 U	0.3 U	**0.12**	0.12 U
DMW2	DB2-9.5	4/17/1990	9.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.23 U	0.15 U	0.75 U	0.075 U	0.075 U	0.38 U	0.015 U	NA	0.75 U	0.15 U	0.075 U	0.38 U	0.0046 J	0.15 U
DMW2	DB2-12	4/17/1990	12	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.73 U	0.15 U	0.073 U	0.36 U	0.0061	0.15 U
DMW2	DB2-18	4/17/1990	18	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.7 U	0.14 U	0.07 U	0.35 U	0.011	0.14 U
DMW3	DB3-2	4/18/1990	2	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.82 U	0.16 U	0.082 U	0.41 U	0.005 U	0.16 U
DMW3	DB3-3.5	4/18/1990	3.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	3.7 U	0.75 U	0.37 U	1.9 U	0.02	0.75 U
DMW3	DB3-6	4/18/1990	6	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.63 U	0.13 U	0.063 U	0.32 U	0.005 U	0.13 U
DMW3	DB3-7.5	4/18/1990	7.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.72 U	0.14 U	0.073 U	0.36 U	0.005 U	0.14 U
DMW3	DB3-9	4/18/1990	9	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.85 U	0.17 U	0.086 U	0.43 U	0.005 U	0.17 U
DMW3	DB3-13.5	4/18/1990	13.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.66 U	0.13 U	0.066 U	0.33 U	0.005 U	0.13 U
DMW3	DB3-17	4/18/1990	17	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.73 U	0.073 U	0.073 U	0.36 U	0.015 U	NA	0.78 U	0.16 U	0.078 U	0.39 U	0.005 U	0.16 U
DB4	DB4-6.0	4/19/1990	6	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	1 U	0.69 U	3.5 U	0.35 U	0.35 U	1.7 U	0.015 U	NA	3.5 U	0.69 U	0.35 U	1.7 U	0.0044 J	0.69 U
DB4	DB4-8.5	4/19/1990	8.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.4 U	0.26 U	1.3 U	0.13 U	0.013 U	0.66 U	0.015 U	NA	1.3 U	0.26 U	0.13 U	0.66 U	0.005 U	0.26 U
DB4	DB4-11.0	4/19/1990	11	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.25 U	0.17 U	0.85 U	0.085 U	0.085 U	0.42 U	0.015 U	NA	0.85 U	0.17 U	0.085 U	0.42 U	0.005 U	0.17 U
DB5	DB5-2.0	4/18/1990	2	0.0089	0.015 U	0.005	0.005 U	0.015 U	0.005 U	1.1 U	0.74 U	3.7 U	0.37 U	0.37 U	1.8 U	0.015 U	NA	3.7 U	0.74 U	0.37 U	1.8 U	1.8 U	0.74 U
DB5	DB5-8.0	4/18/1990	8	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.19 U	0.12 U	0.62 U	0.062 U	0.062 U	0.31 U	0.015 U	NA	0.62 U	0.12 U	0.062 U	0.31 U	0.005 U	0.12 U
DB5	DB5-11.0	4/18/1990	11	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.2 U	0.14 U	0.68 U	0.068 U	0.068 U	0.34 U	0.015 U	NA	0.68 U	0.14 U	0.068 U	0.34 U	0.005 U	0.14 U
DMW6	DB6-2	4/19/1990	2	0.02	0.015 U	0.024	0.005 U	0.015 U	0.005 U	0.91 U	0.61 U	3 U	0.3 U	0.3 U	1.5 U	0.015 U	NA	3 U	0.61 U	0.3 U	1.5 U	**0.27**	0.61 U
DMW6	DB6-4.5	4/19/1990	4.5	0.1 U	0.15 U	0.05 U	0.05 U	0.15 U	0.05 U	1.7 U	**9.3**	5.7 U	0.57 U	**6**	2.9 U	0.15 U	NA	5.7 U	1.1 U	15	2.9 U	**0.69**	**4.3**
DMW6	DB6-7	4/19/1990	7	0.027	0.015 U	0.0077	0.005 U	0.015 U	0.005 U	1 U	**2.5**	3.5 U	0.35 U	**0.86**	1.7 U	0.002 U	NA	3.5 U	0.7 U	2.7	1.7 U	**0.28**	**0.88**
DMW6	DB6-10	4/19/1990	10	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.2 U	0.14 U	0.68 U	0.068 U	0.068 U	0.34 U	0.015 U	NA	0.78 U	0.16 U	0.078 U	0.39 U	0.005 U	0.16 U
DMW6	DB6-13	4/19/1990	13	NA	NA	NA	NA	NA	NA	0.27 U	**0.073** J	0.9 U	0.09 U	**0.099**	0.45 U	NA	NA	0.9 U	0.18 U	0.33	0.45 U	0.026	**0.1** J
DMW6	DB6-16	4/19/1990	16	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.2 U	0.14 U	0.68 U	0.068 U	0.068 U	0.34 U	0.015 U	NA	0.84 U	0.17 U	0.084 U	0.42 U	0.005 U	0.017 U
DMW6	DB6-18.5	4/19/1990	18.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.2 U	0.14 U	0.68 U	0.068 U	0.068 U	0.34 U	0.015 U	NA	0.93 U	0.19 U	0.093 U	0.47 U	**0.042**	0.19 U
DB7	DB7-6.0	4/18/1990	6	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.18 U	**0.12** J	0.6 U	0.06 U	0.06 U	0.3 U	0.015 U	NA	0.6 U	0.12 U	0.06 U	0.3 U	0.005 U	0.12 U
DB7	DB7-8.0	4/18/1990	8	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	NA	NA	NA	NA	NA	NA	0.015 U	NA	NA	NA	NA	NA	NA	NA
DB7	DB7-8.5	4/18/1990	8.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	**0.15** J	0.73 U	0.073 U	0.073 U	0.37 U	0.015 U	NA	0.73 U	0.15 U	0.073 U	0.37 U	0.0057	0.15 U
DB7	DB7-11.5	4/18/1990	11.5	0.01 U	0.015 U	0.0043 J	0.005 U	0.015 U	0.005 U	0.42 U	0.28 U	1.4 U	0.14 U	0.14 U	0.69 U	0.015 U	NA	1.4 U	0.28 U	0.14 U	0.69 U	**0.21**	0.28 U
DB8	DB8-5.0	4/19/1990	5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.19 U	**0.13** J	0.63 U	0.063 U	0.063 U	0.31 U	0.015 U	NA	0.63 U	0.13 U	0.063 U	0.31 U	0.015	0.13 U
DB8	DB8-8.0	4/19/1990	8	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.22 U	0.15 U	0.74 U	0.074 U	0.074 U	0.37 U	0.015 U	NA	0.74 U	0.15 U	0.074 U	0.37 U	0.005 U	0.15 U
DB8	DB8-11.0	4/19/1990	11	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.23 U	0.16 U	0.78 U	0.078 U	0.078 U	0.39 U	0.015 U	NA	0.78 U	0.16 U	0.078 U	0.39 U	0.005 U	0.16 U
DB9	DB9-5.0	4/19/1990	5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.2 U	0.13 U	0.66 U	0.066 U	0.066 U	0.33 U	0.015 U	NA	0.66 U	0.13 U	0.066 U	0.33 U	0.007	0.038
DB9	DB9-8.0	4/19/1990	8	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.21 U	0.14 U	0.69 U	0.069 U	0.069 U	0.34 U	0.015 U	NA	0.69 U	0.14 U	0.069 U	0.34 U	0.005 U	0.14 U
DB9	DB9-11.0	4/19/1990	11	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.27 U	0.18 U	0.9 U	0.091 U	0.091 U	0.45 U	0.015 U	NA	0.9 U	0.18 U	0.091 U	0.45 U	0.005 U	0.18 U
DB10	DB10-5.0	4/20/1990	5	NA	NA	NA	NA	0.41 U	0.41 U	0.25 U	0.17 U	0.83 U	0.083 U	0.083 U	0.41 U	NA	NA	0.83 U	0.17 U	0.083 U	0.41 U	0.41 U	0.17 U
DB10	DB10-8.0	4/20/1990	8	NA	NA	NA	NA	0.4 U	0.4 U	0.24 U	0.16 U	0.8 U	0.08 U	0.08 U	0.4 U	NA	NA	0.8 U	0.16 U	0.08 U	0.4 U	0.4 U	0.16 U
DB10	DB10-11.0	4/20/1990	11	NA	NA	NA	NA	0.41 U	0.41 U	0.25 U	0.17 U	0.83 U	0.083 U	0.083 U	0.41 U	NA	NA	0.83 U	0.17 U	0.083 U	0.41 U	0.41 U	0.17 U
DB11	DB11-6.5	4/18/1990	6.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.25 U	0.16 U	0.82 U	0.082 U	0.082 U	0.41 U	0.015 U	NA	0.82 U	0.16 U	0.082 U	0.41 U	0.005 U	0.16 U
DB11	DB11-6.5D(dupl.)	4/18/1990	6.5	NA	NA	NA	NA	0.41 U	0.41 U	0.25 U	0.16 U	0.82 U	0.082 U	0.082 U	0.41 U	NA	NA	0.82 U	0.16 U	0.082 U	0.41 U	0.41 U	0.16 U
DB11	DB11-8.0	4/18/1990	8	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	3.2 U	43 U	11 U	1.1 U	NA	5.3 U	0.015 U	NA	NA	NA	NA	5.3 U	0.008	NA
DB11	DB11-8.0D(dupl.)	4/18/1990	8	NA	NA	NA	NA	110 U	110 U	64 U	**2.2**	210 U	21 U	21 U	110 U	NA	NA	11 U	2.1 U	1.1 U	110 U	5.3 U	2.1 U
DB11	DB11-9.5	4/18/1990	9.5	0.01 U	0.015 U	0.005 U	0.005 U	0.015 U	0.005 U	0.62 U	**10** J	2.1 U	0.21 U	0.21 U	1 U	0.015 U	NA	2.1 U	0.41 U	0.21 U	1 U	0.005 U	0.41 U
DB11	DB11-9.5D(dupl.)	4/18/1990	9.5	NA	NA	NA	NA	26 U	26 U	15 U	**0.34** J	51 U	5.1 U	5.1 U	26 U	NA	NA	51 U	10 U	5.1 U	26 U	1 U	10 U
DB12	DB12-5.0	4/26/1990	5	NA	NA	NA	NA	0.44 U	0.44 U	0.27 U	**0.18** J	0.89 U	0.089 U	0.089 U	0.44 U	NA	NA	0.89 U	0.18 U	0.089 U	0.44 U	0.44 U	0.18 U
DB12	DB12-11.5	4/26/1990	11.5	NA	NA	NA	NA	7.6 U	7.6 U	4.6 U	3.1 U	15 U	1.5 U	1.5 U	7.6 U	NA	NA	15 U	3.1 U	1.5 U	7.6 U	7.6 U	3.1 U
DB13	DB13-11.0	4/26/1990	11	NA	NA	NA	NA	0.38 U	0.38 U	0.23 U	0.15 U	0.76 U	0.076 U	0.076 U	0.38 U	NA	NA	0.76 U	0.15 U	0.076 U	0.38 U	0.38 U	0.15 U
DB14	DB14-9.5	4/26/1990	9.5	NA	NA	NA	NA	0.35 U	0.35 U	0.21 U	0.14 U	0.71 U	0.071 U	0.071 U	0.35 U	NA	NA	0.71 U	0.14 U	0.071 U	0.35 U	0.35 U	0.14 U

Table 4
Soil Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	2,3,4,5-Tetrachlorophenol (mg/kg)	2,3,4-Trichlorophenol (mg/kg)	2,3,5,6-Tetrachlorophenol (mg/kg)	2,3,6-Trichlorophenol (mg/kg)	2,4,5-Trichlorophenol (mg/kg)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dichlorophenol (mg/kg)	2,4-Dimethylphenol (mg/kg)	2,4-Dinitrophenol (mg/kg)	2-Chlorophenol (mg/kg)	2-Methylphenol(o-Cresol) (mg/kg)	2-Nitrophenol (mg/kg)	3,4,5-Trichlorophenol (mg/kg)	3-Methylphenol and 4-Methylphenol coelution (mg/kg)	4,6-Dinitro-2-Methylphenol (mg/kg)	4-Chloro-3-methylphenol (mg/kg)	4-Methylphenol(p-Cresol) (mg/kg)	4-Nitrophenol (mg/kg)	Pentachlorophenol (mg/kg)	Phenol (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**8,000**	**80**	**240**	**1,600**	**160**	**400**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**2.5**	**24,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**NV**	**0.008**	**NV**	**0.019**	**NV**	**NV**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**0.033**	**0.043**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**NV**	**NV**	**NV**	**NV**	**0.0097**	**0.008**	**0.0058**	**0.019**	**0.014**	**0.0062**	**0.0064**	**0.0083**	**NV**	**0.014**	**0.011**	**0.0044**	**NV**	**0.018**	**0.0062**	**0.0054**
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EB-5	EB-5-10.0	6/18/2013	9 - 11	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	NA	NA	NA	NA	0.48 U	0.4 U	0.29 U	0.93 U	0.69 U	0.31 U	0.32 U	0.41 U	NA	0.72 U	0.53 U	0.22 U	NA	0.89 U	0.31 UJ	0.27 U
EB-5	EB-5-12.5	6/18/2013	12 - 13	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	NA	NA	NA	NA	4.8 U	4 U	2.9 UJ	9.3 U	6.9 UJ	3.1 U	3.2 U	4.1 U	NA	7.2 U	5.3 UJ	2.2 U	NA	8.9 U	3.1 U	2.7 U
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 UJ	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 U	0.54 U
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0064 E	0.0054 U
EB-16	EB-16-2.5'	6/19/2013	2 - 3	NA	NA	NA	NA	9.6 U	8 U	5.8 U	19 U	14 U	6.2 U	6.4 U	8.2 U	NA	14 U	11 U	4.4 U	NA	18 U	6.2 U	5.4 U
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 UJ	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 U	0.11 U
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	NA	NA	NA	NA	0.48 U	0.4 U	0.29 U	0.93 UJ	0.69 UJ	0.31 U	0.32 U	0.41 U	NA	0.72 U	0.53 UJ	0.22 U	NA	0.89 U	0.31 U	0.27 U
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.11 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-24	EB-24-1.0	6/17/2013	1 - 2	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 UJ	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 UJ	0.28 UJ	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 UJ	0.088 U	NA	0.36 U	0.12 UJ	0.11 U
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 UJ	0.019 U	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0074 E	0.0054 U
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 U	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 U	0.11 U
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	NA	NA	NA	NA	1.9 U	1.6 U	1.2 U	3.7 U	2.8 U	1.2 U	1.3 U	1.6 U	NA	2.9 U	2.1 U	0.88 U	NA	3.6 U	1.2 U	1.1 U
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.026	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	NA	NA	NA	NA	1.9 U	1.6 U	1.2 U	3.7 U	2.8 U	1.2 U	1.3 U	1.6 U	NA	2.9 U	2.1 U	0.88 U	NA	3.6 U	1.2 UJ	1.1 U
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-32	EB-32-12.5	6/14/2013	12 - 13	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 UJ	0.19 U	0.14 UJ	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 UJ	0.044 U	NA	0.18 U	0.062 U	0.054 U
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	NA	NA	NA	NA	4.8 U	4 U	2.9 U	9.3 UJ	6.9 UJ	3.1 U	3.2 U	4.1 U	NA	7.2 U	5.3 UJ	2.2 U	NA	8.9 U	3.1 U	2.7 U
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	NA	NA	NA	NA	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	NA	5.8 U	4.2 U	1.8 U	NA	7.1 U	2.5 U	2.2 U
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 U	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 U	0.11 U
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	NA	NA	NA	NA	4.8 U	4 U	2.9 U	9.3 U	6.9 U	3.1 U	3.2 U	4.1 U	NA	7.2 U	5.3 U	2.2 U	NA	8.9 U	3.1 UJ	2.7 U
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-41	EB-91-10.0(dupl.)	6/14/2013	9 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	NA	NA	NA	NA	1.9 U	1.6 U	1.2 U	3.7 U	2.8 U	1.2 U	1.3 U	1.6 U	NA	2.9 U	2.1 U	0.88 U	NA	3.6 U	1.2 U	1.1 U
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-45	EB-45-12.5	6/10/2013	12 - 13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.064 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0076 E	0.0054 U
EB-46	EB-46-2.5	6/14/2013	2 - 3	NA	NA	NA	NA	1.9 U	1.6 U	1.2 U	3.7 U	2.8 U	1.2 U	1.3 U	1.6 U	NA	2.9 U	2.1 U	0.88 U	NA	3.6 U	1.2 UJ	1.1 U
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 U	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 U	0.11 U
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 U	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 U	0.11 U
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-50	EB-50-7.5	6/14/2013	7 - 8	NA	NA	NA	NA	0.48 U	0.4 U	0.29 U	0.93 U	0.69 U	0.31 U	0.32 U	0.41 U	NA	0.72 U	0.53 U	0.22 U	NA	0.89 U	0.31 UJ	0.27 U
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 U	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 UJ	0.11 U
EB-51	EB-51-10.0	6/13/2013	9 - 10	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-2S	EMW-2S-2.5	6/17/2013	2 - 3	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-2S	EMW-2S-5.0	6/17/2013	4 - 5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-2S	EMW-2S-10.0	6/17/2013	9.5 - 11	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U

Table 4
Soil Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	2,3,4,5-Tetrachlorophenol (mg/kg)	2,3,4-Trichlorophenol (mg/kg)	2,3,5,6-Tetrachlorophenol (mg/kg)	2,3,6-Trichlorophenol (mg/kg)	2,4,5-Trichlorophenol (mg/kg)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dichlorophenol (mg/kg)	2,4-Dimethylphenol (mg/kg)	2,4-Dinitrophenol (mg/kg)	2-Chlorophenol (mg/kg)	2-Methylphenol(o-Cresol) (mg/kg)	2-Nitrophenol (mg/kg)	3,4,5-Trichlorophenol (mg/kg)	3-Methylphenol and 4-Methylphenol coelution (mg/kg)	4,6-Dinitro-2-Methylphenol (mg/kg)	4-Chloro-3-methylphenol (mg/kg)	4-Methylphenol(p-Cresol) (mg/kg)	4-Nitrophenol (mg/kg)	Pentachlorophenol (mg/kg)	Phenol (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**8,000**	**80**	**240**	**1,600**	**160**	**400**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**2.5**	**24,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**NV**	**0.008**	**NV**	**0.019**	**NV**	**NV**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**0.033**	**0.043**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**NV**	**NV**	**NV**	**NV**	**0.0097**	**0.008**	**0.0058**	**0.019**	**0.014**	**0.0062**	**0.0064**	**0.0083**	**NV**	**0.014**	**0.011**	**0.0044**	**NV**	**0.018**	**0.0062**	**0.0054**
EMW-3S	EMW-3S-1.0	6/11/2013	0.5 - 1.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EMW-3S	EMW-3S-5.0	6/11/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EMW-3S	EMW-3S-15.0	6/11/2013	14.5 - 15.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-3S	EMW-89S-5.0(dupl.)	6/11/2013	14.5 - 15.5	NA	NA	NA	NA	1.9 U	1.6 U	1.2 U	3.7 U	2.8 U	1.2 U	1.3 U	1.6 U	NA	2.9 U	2.1 U	0.88 U	NA	3.6 U	1.2 UJ	1.1 U
EMW-4D	EMW-4D-2.5'	6/17/2013	2 - 3	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-4D	EMW-4D-5.0'	6/17/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-4D	EMW-4D-7.5'	6/17/2013	7 - 8	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-5S	EMW-5S-7.50	6/13/2013	7 - 8	NA	NA	NA	NA	0.0096 UJ	0.008 UJ	0.0058 U	0.019 U	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 UJ	0.0044 U	NA	0.018 UJ	0.0062 UJ	0.0054 U
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-6S	EMW-6S-1.0	6/12/2013	0.5 - 1.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-6S	EMW-6S-10.0	6/12/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-7S	EMW-7S-1.0	6/13/2013	0.5 - 1.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 U	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 UJ	0.11 U
EMW-7S	EMW-7S-5.0	6/13/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-7S	EMW-7S-10.0	6/13/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 UJ	0.008 UJ	0.0058 U	0.019 U	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 UJ	0.0044 U	NA	0.018 UJ	0.0087 E	0.0054 U
EMW-8S	EMW-8S-1.0	6/12/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 UJ	0.008 UJ	0.0058 U	0.019 U	0.014 UJ	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 UJ	0.0044 U	NA	0.018 UJ	0.0062 UJ	0.0054 U
EMW-8S	EMW-8S-5.0	6/12/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-8S	EMW-8S-10.0	6/12/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-9S	EMW-9S-1.0	6/13/2013	0.5 - 1.5	NA	NA	NA	NA	0.096 UJ	0.08 UJ	0.058 U	0.19 U	0.14 UJ	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 UJ	0.062 UJ	0.054 U
EMW-9S	EMW-9S-5.0	6/13/2013	4.5 - 5.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	**0.13**	0.054 U
EMW-9S	EMW-9S-10.0	6/13/2013	9.5 - 10.5	NA	NA	NA	NA	0.096 UJ	0.08 UJ	0.058 U	0.19 U	0.14 UJ	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 UJ	0.62 UJ	0.054 U
EMW-9S	EMW-9S-12.5	6/13/2013	12 - 13	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EMW-10D	EMW-10D-1.0'	6/19/2013	0.5 - 1.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 U	0.054 U
EMW-10D	EMW-10D-5.0'	6/19/2013	4.5 - 5.5	NA	NA	NA	NA	190 U	160 U	120 U	370 U	280 U	120 U	130 U	160 U	NA	290 U	210 U	88 U	NA	360 U	120 U	110 U
EMW-10D	EMW-10S-5.0'(dupl.)	6/19/2013	4.5 - 5.5	NA	NA	NA	NA	19 U	16 U	12 U	37 U	28 U	12 U	13 U	16 U	NA	29 U	21 U	8.8 U	NA	36 U	12 U	11 U
EMW-10D	EMW-10D-10.0'	6/19/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EMW-10D	EMW-10D-15.0'	6/19/2013	14.5 - 15.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 U	0.0054 U
EMW-10D	EMW-10D-35.0'	6/19/2013	34.5 - 35.5	NA	NA	NA	NA	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	NA	5.8 U	4.2 U	1.8 U	NA	7.1 U	2.5 U	2.2 U
EMW-11S	EMW-11S-1.0	6/12/2013	0.5 - 1.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-11S	EMW-11S-5.0	6/12/2013	4.5 - 5.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-11S	EMW-11S-10.0	6/12/2013	9.5 - 10.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-11S	EMW-11S-12.5	6/12/2013	12 - 13	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 UJ	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-12S	EMW-12S-1.0	6/11/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-12S	EMW-12S-5.0	6/11/2013	4.5 - 5.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EMW-12S	EMW-12S-10.0	6/11/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-12S	EMW-12S-15.0	6/11/2013	14.5 - 15.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-13S	EMW-13S-1.0	6/11/2013	0.5 - 1.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-13S	EMW-13S-5.0	6/11/2013	4.5 - 5.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-13S	EMW-13S-7.5	6/11/2013	7 - 8	NA	NA	NA	NA	1.9 U	1.6 U	1.2 U	3.7 U	2.8 U	1.2 U	1.3 U	1.6 U	NA	2.9 U	2.1 U	0.88 U	NA	3.6 U	1.2 UJ	1.1 U
EMW-13S	EMW-13S-12.5	6/11/2013	12 - 13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-14D	EMW-14D-1.0'	6/17/2013	0.5 - 1.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-14D	EMW-14D-5.0'	6/17/2013	4.5 - 5.5	NA	NA	NA	NA	4.8 U	4 U	2.9 U	9.3 U	6.9 U	3.1 U	3.2 U	4.1 U	NA	7.2 U	5.3 U	2.2 U	NA	8.9 U	3.1 UJ	2.7 U
EMW-14D	EMW-14D-10.0'	6/17/2013	9.5 - 10.5	NA	NA	NA	NA	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	NA	5.8 U	4.2 U	1.8 U	NA	7.1 U	2.5 UJ	2.2 U
EMW-14D	EMW-14D-15.0'	6/17/2013	14.5 - 15.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 U	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
EMW-15D	EMW-15D-1.0'	6/18/2013	0.5 - 1.5	NA	NA	NA	NA	0.019 U	0.016 U	0.012 U	0.037 U	0.028 U	0.012 U	0.013 U	0.016 U	NA	0.029 U	0.021 U	0.0088 U	NA	0.036 U	0.012 U	0.011 U
EMW-15D	EMW-15D-5.0'	6/18/2013	4.5 - 5.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EMW-15D	EMW-15D-10.0'	6/18/2013	9.5 - 10.5	NA	NA	NA	NA	0.96 U	0.8 U	0.58 U	1.9 U	1.4 U	0.62 U	0.64 U	0.82 U	NA	1.4 U	1.1 U	0.44 U	NA	1.8 U	0.62 UJ	0.54 U
EMW-16D	EMW-16D-1.0'	6/18/2013	0.5 - 1.5	NA	NA	NA	NA	0.19 U	0.16 U	0.12 U	0.37 U	0.28 U	0.12 U	0.13 U	0.16 U	NA	0.29 U	0.21 U	0.088 U	NA	0.36 U	0.12 UJ	0.11 U
EMW-16D	EMW-16D-5.0'	6/18/2013	4.5 - 5.5	NA	NA	NA	NA	0.096 U	0.08 U	0.058 U	0.19 U	0.14 U	0.062 U	0.064 U	0.082 U	NA	0.14 U	0.11 U	0.044 U	NA	0.18 U	0.062 UJ	0.054 U
EMW-16D	EMW-16D-10.0'	6/18/2013	9.5 - 10.5	NA	NA	NA	NA	0.0096 U	0.008 U	0.0058 U	0.019 U	0.014 U	0.0062 U	0.0064 U	0.0082 U	NA	0.014 U	0.011 UJ	0.0044 U	NA	0.018 U	0.0062 UJ	0.0054 U
FMW-1	FB-1-2	4/23/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-1	FB-1-7	4/23/1990	7	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-1	FB-1-13	4/23/1990	13	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-2	FB-2-2	4/20/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-2	FB-2-5.5	4/20/1990	5.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-2	FB-2-8	4/20/1990	8	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-2	FB-2-18.5	4/20/1990	18.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-3	FB-3-3	4/23/1990	3	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-3	FB-3-3.5	4/23/1990	3.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FMW-3	FB-3-13.5	4/23/1990	13.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FB-4	FB-4-2	4/20/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FB-4	FB-4-8	4/20/1990	8	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FB-4	FB-4-11	4/20/1990	11	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FB-5	FB-5-2	4/20/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FB-5	FB-5-8	4/20/1990	8	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FB-5	FB-5-11	4/20/1990	11	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U

Table 4
Soil Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	2,3,4,5-Tetrachlorophenol (mg/kg)	2,3,4-Trichlorophenol (mg/kg)	2,3,5,6-Tetrachlorophenol (mg/kg)	2,3,6-Trichlorophenol (mg/kg)	2,4,5-Trichlorophenol (mg/kg)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dichlorophenol (mg/kg)	2,4-Dimethylphenol (mg/kg)	2,4-Dinitrophenol (mg/kg)	2-Chlorophenol (mg/kg)	2-Methylphenol(o-Cresol) (mg/kg)	2-Nitrophenol (mg/kg)	3,4,5-Trichlorophenol (mg/kg)	3-Methylphenol and 4-Methylphenol coelution (mg/kg)	4,6-Dinitro-2-Methylphenol (mg/kg)	4-Chloro-3-methylphenol (mg/kg)	4-Methylphenol(p-Cresol) (mg/kg)	4-Nitrophenol (mg/kg)	Pentachlorophenol (mg/kg)	Phenol (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**8,000**	**80**	**240**	**1,600**	**160**	**400**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**2.5**	**24,000**
Preliminary Soil Screening Levels[b] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**NV**	**0.008**	**NV**	**0.019**	**NV**	**NV**	**0.0064**	**NV**	**NV**	**0.05**	**NV**	**NV**	**NV**	**NV**	**0.033**	**0.043**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**NV**	**NV**	**NV**	**NV**	**0.0097**	**0.008**	**0.0058**	**0.019**	**0.014**	**0.0062**	**0.0064**	**0.0083**	**NV**	**0.014**	**0.011**	**0.0044**	**NV**	**0.018**	**0.0062**	**0.0054**
FSS2	FSS2	6/12/1988	0.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
FSS3	FSS3	6/12/1988	0.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	ND U	ND U
HC-1	HC1-S1	11/7/1988	2.5 - 2.75	NA	NA	NA	NA	0.15 U	0.15 U	0.15 U	0.073 U	0.73 U	0.073 U	0.073 U	0.15 U	NA	NA	0.73 U	0.15 U	0.073 U	0.73 U	0.73 U	0.073 U
HC-1	HC1-S3	11/7/1988	5 - 6	NA	NA	NA	NA	0.071 U	0.071 U	0.071 U	0.035 U	0.35 U	0.035 U	0.035 U	0.071 U	NA	NA	0.35 U	0.071 U	0.035 U	0.35 U	0.35 U	0.035 U
HC-1A	HC1A-S4	11/7/1988	4	NA	NA	NA	NA	0.071 U	0.071 U	0.071 U	0.035 U	0.35 U	0.035 U	0.035 U	0.071 U	NA	NA	0.35 U	0.071 U	0.035 U	0.35 U	0.35 U	0.035 U
HC-13	HC13-2.5	1/17/1989	2.5	NA	NA	NA	NA	0.075	**0.075**	0.075	**0.037**	0.37	0.037	**0.037**	0.075	NA	NA	0.37	0.075	0.037	0.37	**0.37**	0.037
SCV-12	SCV-12'	7/17/2012	12	NA	NA	NA	NA	0.008 U	0.004 U	0.005 U	0.016 U	0.051 U	0.006 U	0.006 U	0.006 U	NA	0.02	0.04 U	0.004 U	NA	0.048 U	**0.042**	0.005 U
SLR-1	SLR1-1	8/22/2011	1 - 1.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-1	SLR1-6	8/22/2011	6 - 6.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-1	SLR1-10	8/22/2011	10 - 10.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-2	SLR2-1	8/19/2011	1 - 1.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-2	SLR2-6	8/22/2011	6 - 6.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-2	SLR2-10	8/19/2011	10 - 10.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-3	SLR3-1	8/19/2011	1 - 1.5	NA	NA	NA	NA	3 U	3 U	3 U	3 U	9 U	3 U	2.3 U	3 U	NA	4 U	9 U	3 U	NA	9 U	1.4 U	0.84 U
SLR-3	SLR3-6	8/22/2011	6 - 6.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-3	SLR3-10	8/19/2011	10 - 10.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-4	SLR4-1	8/19/2011	1 - 1.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-4	SLR4-5	8/19/2011	5 - 5.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-4	SLR4-10	8/19/2011	10 - 10.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-5	SLR5-3	8/22/2011	3 - 3.5	NA	NA	NA	NA	15 U	15 U	15 U	15 U	45 U	15 U	12 U	15 U	NA	20 U	45 U	15 U	NA	15 U	7 U	4.2 U
SLR-5	SLR5-6	8/22/2011	6 - 6.5	NA	NA	NA	NA	15 U	15 U	15 U	15 U	45 U	15 U	12 U	15 U	NA	20 U	45 U	15 U	NA	15 U	7 U	4.2 U
SLR-5	SLR5-10	8/22/2011	10 - 10.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-6	SLR6-1	8/19/2011	1 - 1.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-6	SLR6-5	8/19/2011	5 - 5.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-6	SLR6-10	8/19/2011	10 - 10.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-7	SLR7-1	8/22/2011	1 - 1.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-7	SLR7-5	8/22/2011	5 - 5.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
SLR-7	SLR7-10	8/22/2011	10 - 10.5	NA	NA	NA	NA	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.23 U	0.3 U	NA	0.4 U	0.9 U	0.3 U	NA	0.9 U	0.14 U	0.084 U
Trench 1-1	TRENCH1-1-8'	7/19/2012	8	NA	NA	NA	NA	0.008 U	0.004 U	0.005 U	0.016 U	0.051 U	0.006 U	0.006 U	0.006 U	NA	0.012 U	0.04 U	0.004 U	NA	0.048 U	0.011 U	0.005 U
Trench 1-2	TRENCH1-2-9'	7/19/2012	9	NA	NA	NA	NA	0.008 U	0.004 U	0.005 U	0.016 U	0.051 U	0.006 U	0.006 U	0.006 U	NA	0.01	0.04 U	0.004 U	NA	0.048 U	**0.041**	0.005 U
Trench 2-1	TRENCH2-1-8'	7/24/2012	8	NA	NA	NA	NA	0.008 U	0.004 U	0.005 U	0.016 U	0.051 U	0.006 U	0.006 U	0.006 U	NA	0.012 U	0.04 U	0.004 U	NA	0.048 U	0.011 U	0.005 U
Trench 4-1	TRENCH4-1-3.0'	7/26/2012	3	NA	NA	NA	NA	0.008 U	0.004 U	0.005 U	0.016 U	0.051 U	0.006 U	0.006 U	0.006 U	NA	0.012 U	0.04 U	0.004 U	NA	0.048 U	0.011 U	0.005 U

Notes:
Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels
Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels
Non-detected values highlighted in blue exceed the preliminary soil cleanup levels
mg/kg = milligrams per kilogram.
NA = Not analyzed
NV = No value available.
U = The laboratory report noted that the analyte was not detected at or above the reported result
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate
J = The laboratory report noted that the analyte was positively identified AND the reported result is an estimate
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 5
Soil Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Bis(2-ethylhexyl) phthalate (mg/kg)	Butyl benzyl phthalate (mg/kg)	Dibutyl phthalate (mg/kg)	Diethyl phthalate (mg/kg)	Dimethyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**71.43**	**526**	**8,000**	**64,000**	**0.094**	**0.058**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.047**	**0.006**	**0.26**	**0.2**	**0.094**	**0.058**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.013**	**0.006**	**0.02**	**0.004**	**0.001**	**0.003**
CMW-1	CMW-1-5	6/12/2008	5	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
CMW-2A	CMW-2A-4	6/12/2008	4	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
CMW-3	CMW-3-5	6/12/2008	5	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
CMW-3	CMW-3-10	6/12/2008	10	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
CMW-4	CMW-4-5	6/13/2008	5	**1**	**20**	**0.54**	0.03 U	0.03 U	**0.34**
CMW-5	CMW-5-5	6/13/2008	5	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
CMW-6	CMW-6-5	6/13/2008	5	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
CMW-7	CMW-7-5	6/13/2008	5	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
CMW-7	CMW-7-7	6/13/2008	7	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
DB1	DB1-5.0	4/17/1990	5	0.99 B	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
DB1	DB1-6.5	4/17/1990	6.5	1 B	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
DB1	DB1-9.5	4/17/1990	9.5	0.49 B	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U
DMW2	DB2-3.5	4/17/1990	3.5	0.48 B	0.058 U	0.058 U	0.058 U	0.058 U	0.058 U
DMW2	DB2-4.5	4/17/1990	4.5	0.76 B	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
DMW2	DB2-7	4/17/1990	7	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
DMW2	DB2-9.5	4/17/1990	9.5	0.37 B	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
DMW2	DB2-12	4/17/1990	12	0.27 B	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U
DMW2	DB2-18	4/17/1990	18	**0.45**	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
DMW3	DB3-2	4/18/1990	2	0.62 B	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U
DMW3	DB3-3.5	4/18/1990	3.5	0.85 B	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
DMW3	DB3-6	4/18/1990	6	0.16 B	0.063 U	0.063 U	0.063 U	0.063 U	0.063 U
DMW3	DB3-7.5	4/18/1990	7.5	0.51 B	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U
DMW3	DB3-9	4/18/1990	9	0.38 B	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U
DMW3	DB3-13.5	4/18/1990	13.5	0.41 B	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U
DMW3	DB3-17	4/18/1990	17	0.37 B	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U
DB4	DB4-6.0	4/19/1990	6	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
DB4	DB4-8.5	4/19/1990	8.5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
DB4	DB4-11.0	4/19/1990	11	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U	0.085 U
DB5	DB5-2.0	4/18/1990	2	0.45 B	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
DB5	DB5-8.0	4/18/1990	8	0.28 B	0.062 U	0.062 U	0.062 U	0.062 U	0.062 U
DB5	DB5-11.0	4/18/1990	11	0.11 B	0.068 U	0.068 U	0.068 U	0.068 U	0.068 U
DMW6	DB6-2	4/19/1990	2	0.39 B	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
DMW6	DB6-4.5	4/19/1990	4.5	**3.2** M, B	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
DMW6	DB6-7	4/19/1990	7	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
DMW6	DB6-10	4/19/1990	10	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U
DMW6	DB6-13	4/19/1990	13	0.09 U	0.009 U	0.09 U	0.009 U	0.009 U	0.009 U
DMW6	DB6-16	4/19/1990	16	0.084 U	0.084 U	0.084 U	0.084 U	0.084 U	0.084 U
DMW6	DB6-18.5	4/19/1990	18.5	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
DB7	DB7-6.0	4/18/1990	6	0.13 B	0.06 U	0.08 U	0.06 U	0.06 U	0.06 U
DB7	DB7-8.5	4/18/1990	8.5	0.49 B	0.073 U	0.054 J	0.073 U	0.073 U	0.073 U
DB7	DB-7-11.5	4/18/1990	11.5	0.62 B	0.17 U	0.17 U	0.14 U	0.14 U	0.14 U
DB8	DB8-5.0	4/19/1990	5	0.043 B	0.063 U	0.063 J	0.063 U	0.063 U	0.063 U
DB8	DB8-8.0	4/19/1990	8	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U
DB8	DB8-11.0	4/19/1990	11	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U
DB9	DB9-5.0	4/19/1990	5	0.06 B	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U
DB9	DB9-8.0	4/19/1990	8	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U	0.069 U
DB9	DB9-11.0	4/19/1990	11	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U
DB10	DB10-5.0	4/20/1990	5	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
DB10	DB10-8.0	4/20/1990	8	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
DB10	DB10-11.0	4/20/1990	11	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
DB11	DB11-6.5	4/18/1990	6.5	1 B	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U
DB11	DB11-6.5D(dupl.)	4/18/1990	6.5	0.79 B	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U
DB11	DB11-8.0D(dupl.)	4/18/1990	8	**7.1** J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DB11	DB11-9.5	4/18/1990	9.5	0.87 B	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
DB11	DB11-9.5D(dupl.)	4/18/1990	9.5	**2.9** J	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
DB12	DB12-5.0	4/26/1990	5	**0.089** J	0.089 U	0.089 U	0.089 U	0.089 U	0.089 U
DB12	DB12-11.5	4/26/1990	11.5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

Table 5
Soil Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Bis(2-ethylhexyl) phthalate (mg/kg)	Butyl benzyl phthalate (mg/kg)	Dibutyl phthalate (mg/kg)	Diethyl phthalate (mg/kg)	Dimethyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**71.43**	**526**	**8,000**	**64,000**	**0.094**	**0.058**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.047**	**0.006**	**0.26**	**0.2**	**0.094**	**0.058**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.013**	**0.006**	**0.02**	**0.004**	**0.001**	**0.003**
DB13	DB13-11.0	4/26/1990	11	0.076 U	0.076 U	0.076 U	0.076 U	0.076 U	0.076 U
DB14	DB14-9.5	4/26/1990	9.5	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EB-5	EB-5-10.0	6/18/2013	9 - 11	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	0.67 U	0.29 U	1 U	0.2 U	0.06 U	0.17 U
EB-5	EB-5-12.5	6/18/2013	12 - 13	0.013 U	0.0058 U	0.02 U	0.004 U	0.0014	0.0034 U
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	6.7 U	2.9 U	10 U	2 U	0.6 U	1.7 U
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	0.015 lc	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-16	EB-16-2.5'	6/19/2013	2 - 3	13 U	5.8 U	20 U	4 U	1.2 U	3.4 U
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	0.014 lc	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	0.27 U	0.12 U	0.4 U	0.08 U	0.024 U	0.068 U
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	0.67 U	0.29 U	1 U	0.2 U	0.06 U	0.17 U
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	0.014 lc	**0.0065**	0.02 U	0.004 U	0.0012 U	0.0034 UJ
EB-24	EB-24-1.0	6/17/2013	1 - 2	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	0.27 U	0.12 U	0.4 UJ	0.08 U	0.024 U	0.068 U
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	0.017	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	0.27 U	0.12 U	0.4 U	0.08 U	0.024 U	0.068 U
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	2.7 U	1.2 U	4 U	0.8 U	0.24 U	0.68 U
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	2.7 U	1.2 U	4 U	0.8 U	0.24 U	0.68 U
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-32	EB-32-12.5	6/14/2013	12 - 13	0.017 lc	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	6.7 U	2.9 U	10 U	2 U	0.6 U	1.7 UJ
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	5.4 U	2.3 U	8 U	1.6 U	0.48 U	1.4 U
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	0.27 U	0.12 U	0.4 U	0.08 U	0.024 U	0.068 U
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	6.7 U	2.9 U	10 U	2 U	0.6 U	1.7 U
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-41	EB-91-10.0(dupl.)	6/14/2013	9 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	2.7 U	1.2 U	4 U	0.8 U	0.24 U	0.68 U
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	**0.15**	0.0058 U	0.02 U	0.004 U	0.0028	0.0034 U
EB-45	EB-45-12.5	6/10/2013	12 - 13	0.13 U	NA	NA	NA	NA	NA
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-46	EB-46-2.5	6/14/2013	2 - 3	2.7 U	1.2 U	4 U	0.8 U	0.24 U	0.68 U
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	0.27 U	0.12 U	0.4 U	0.08 U	0.024 U	0.068 U
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	0.27 U	0.12 U	0.4 U	0.08 U	0.024 U	0.068 U
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-50	EB-50-7.5	6/14/2013	7 - 8	0.67 U	0.29 U	1 U	0.2 U	0.06 U	0.17 U
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	0.4 lc	0.12 U	0.4 U	0.08 U	0.024 U	0.068 U
EB-51	EB-51-10.0	6/13/2013	9 - 10	20 lc, ve	0.58 U	2 U	0.4 U	0.12 U	0.34 U

Table 5
Soil Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Bis(2-ethylhexyl) phthalate (mg/kg)	Butyl benzyl phthalate (mg/kg)	Dibutyl phthalate (mg/kg)	Diethyl phthalate (mg/kg)	Dimethyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**71.43**	**526**	**8,000**	**64,000**	**0.094**	**0.058**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.047**	**0.006**	**0.26**	**0.2**	**0.094**	**0.058**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.013**	**0.006**	**0.02**	**0.004**	**0.001**	**0.003**
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-2S	EMW-2S-2.5	6/17/2013	2 - 3	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-2S	EMW-2S-5.0	6/17/2013	4 - 5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-2S	EMW-2S-10.0	6/17/2013	9.5 - 11	0.024 lc	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-3S	EMW-3S-1.0	6/11/2013	0.5 - 1.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EMW-3S	EMW-3S-5.0	6/11/2013	4.5 - 5.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EMW-3S	EMW-3S-15.0'	6/11/2013	14.5 - 15.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0014	0.0034 U
EMW-3S	EMW-89S-5.0(dupl.)	6/11/2013	14.5 - 15.5	2.7 U	1.2 U	4 U	0.8 U	0.24 U	0.68 U
EMW-4D	EMW-4D-2.5'	6/17/2013	2 - 3	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-4D	EMW-4D-5.0'	6/17/2013	4.5 - 5.5	0.014 lc	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-4D	EMW-4D-7.5'	6/17/2013	7 - 8	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-5S	EMW-5S-7.50	6/13/2013	7 - 8	0.013 UJ	0.0058 UJ	0.02 UJ	0.004 UJ	0.0012 UJ	0.0034 UJ
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-6S	EMW-6S-1.0	6/12/2013	0.5 - 1.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-6S	EMW-6S-10.0	6/12/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-7S	EMW-7S-1.0	6/13/2013	0.5 - 1.5	0.27 U	**0.18**	0.4 U	0.08 U	0.024 U	0.068 U
EMW-7S	EMW-7S-5.0	6/13/2013	4.5 - 5.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-7S	EMW-7S-10.0	6/13/2013	9.5 - 10.5	0.013 UJ	0.0058 UJ	0.02 UJ	0.004 UJ	0.0012 UJ	0.0034 UJ
EMW-8S	EMW-8S-1.0	6/12/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 UJ	0.004 UJ	0.0012 UJ	0.0034 U
EMW-8S	EMW-8S-5.0	6/12/2013	4.5 - 5.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-8S	EMW-8S-10.0	6/12/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-9S	EMW-9S-1.0	6/13/2013	0.5 - 1.5	0.13 U	0.058 U	0.2 U	0.04 UJ	0.012 UJ	0.034 U
EMW-9S	EMW-9S-5.0	6/13/2013	4.5 - 5.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-9S	EMW-9S-10.0	6/13/2013	9.5 - 10.5	0.13 U	0.058 U	0.2 U	0.04 UJ	0.012 UJ	0.034 UJ
EMW-9S	EMW-9S-12.5	6/13/2013	12 - 13	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-10D	EMW-10D-1.0'	6/19/2013	0.5 - 1.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-10D	EMW-10D-5.0'	6/19/2013	4.5 - 5.5	270 U	120 U	400 U	80 U	24 U	68 U
EMW-10D	EMW-10S-5.0'(dupl.)	6/19/2013	4.5 - 5.5	27 U	12 U	40 U	8 U	2.4 U	6.8 U
EMW-10D	EMW-10D-10.0'	6/19/2013	9.5 - 10.5	0.013 U	**0.0067**	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-10D	EMW-10D-15.0'	6/19/2013	14.5 - 15.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-10D	EMW-10D-35.0'	6/19/2013	34.5 - 35.5	5.4 U	2.3 U	8 U	1.6 U	0.48 U	1.4 U
EMW-11S	EMW-11S-1.0	6/12/2013	0.5 - 1.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-11S	EMW-11S-5.0	6/12/2013	4.5 - 5.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-11S	EMW-11S-10.0	6/12/2013	9.5 - 10.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-11S	EMW-11S-12.5	6/12/2013	12 - 13	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-12S	EMW-12S-1.0	6/11/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-12S	EMW-12S-5.0	6/11/2013	4.5 - 5.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EMW-12S	EMW-12S-10.0	6/11/2013	9.5 - 10.5	0.038 lc	0.0058 U	0.02 U	0.004 U	0.0026	0.0034 U
EMW-12S	EMW-12S-15.0	6/11/2013	14.5 - 15.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0013	0.0034 UJ
EMW-13S	EMW-13S-1.0	6/11/2013	0.5 - 1.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-13S	EMW-13S-5.0	6/11/2013	4.5 - 5.5	0.043 lc	0.0058 U	0.02 U	0.004 U	0.0012	0.0034 U
EMW-13S	EMW-13S-7.5	6/11/2013	7 - 8	2.7 U	1.2 U	4 U	0.8 U	0.24 U	0.68 U
EMW-14D	EMW-14D-1.0'	6/17/2013	0.5 - 1.5	0.013 U	0.0058 U	0.02 U	0.004 U	0.0012 U	0.0034 U
EMW-14D	EMW-14D-5.0'	6/17/2013	4.5 - 5.5	6.7 U	2.9 U	10 U	2 U	0.6 U	1.7 U
EMW-14D	EMW-14D-10.0'	6/17/2013	9.5 - 10.5	5.4 U	2.3 U	8 U	1.6 U	0.48 U	1.4 U
EMW-14D	EMW-14D-15.0'	6/17/2013	14.5 - 15.5	0.014 lc	0.0058 U	0.02 U	0.004 U	0.0012	0.0034 U
EMW-15D	EMW-15D-1.0'	6/18/2013	0.5 - 1.5	0.027 U	0.012 U	0.04 U	0.008 U	0.0024 U	0.0068 U
EMW-15D	EMW-15D-5.0'	6/18/2013	4.5 - 5.5	5.6 lc	**0.85**	2 U	0.4 U	0.12 U	0.34 U
EMW-15D	EMW-15D-10.0'	6/18/2013	9.5 - 10.5	1.3 U	0.58 U	2 U	0.4 U	0.12 U	0.34 U
EMW-16D	EMW-16D-1.0'	6/18/2013	0.5 - 1.5	0.27 U	0.12 U	0.4 U	0.08 U	0.024 U	0.068 U
EMW-16D	EMW-16D-5.0'	6/18/2013	4.5 - 5.5	0.13 U	0.058 U	0.2 U	0.04 U	0.012 U	0.034 U
EMW-16D	EMW-16D-10.0'	6/18/2013	9.5 - 10.5	0.013 U	0.0058 U	0.02 UJ	0.004 U	0.0012 U	0.0034 U

Table 5
Soil Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Bis(2-ethylhexyl) phthalate (mg/kg)	Butyl benzyl phthalate (mg/kg)	Dibutyl phthalate (mg/kg)	Diethyl phthalate (mg/kg)	Dimethyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**71.43**	**526**	**8,000**	**64,000**	**0.094**	**0.058**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.047**	**0.006**	**0.26**	**0.2**	**0.094**	**0.058**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.013**	**0.006**	**0.02**	**0.004**	**0.001**	**0.003**
FMW-1	FB-1-2	4/23/1990	2	**0.07**	ND U	ND U	ND U	ND U	ND U
FMW-1	FB-1-7	4/23/1990	7	0.077 U	ND U	ND U	ND U	ND U	ND U
FMW-1	FB-1-13	4/23/1990	13	0.087 U	ND U	ND U	ND U	ND U	ND U
FMW-2	FB-2-2	4/20/1990	2	0.1 U	ND U	ND U	ND U	ND U	ND U
FMW-2	FB-2-5.5	4/20/1990	5.5	0.072 U	ND U	ND U	ND U	ND U	ND U
FMW-2	FB-2-8	4/20/1990	8	0.079 U	ND U	ND U	ND U	ND U	ND U
FMW-2	FB-2-18.5	4/20/1990	18.5	0.071 U	ND U	ND U	ND U	ND U	ND U
FMW-3	FB-3-3	4/23/1990	3	0.063 U	ND U	ND U	ND U	ND U	ND U
FMW-3	FB-3-3.5	4/23/1990	3.5	0.081 U	ND U	ND U	ND U	ND U	ND U
FMW-3	FB-3-13.5	4/23/1990	13.5	0.08 U	ND U	ND U	ND U	ND U	ND U
FB-4	FB-4-2	4/20/1990	2	0.06 U	ND U	ND U	ND U	ND U	ND U
FB-4	FB-4-8	4/20/1990	8	0.072 U	ND U	ND U	ND U	ND U	ND U
FB-4	FB-4-11	4/20/1990	11	**0.15**	ND U	ND U	ND U	ND U	ND U
FB-5	FB-5-2	4/20/1990	2	0.071 U	ND U	ND U	ND U	ND U	ND U
FB-5	FB-5-8	4/20/1990	8	0.078 U	ND U	ND U	ND U	ND U	ND U
FB-5	FB-5-11	4/20/1990	11	0.085 U	ND U	ND U	ND U	ND U	ND U
FSS2	FSS2	6/12/1988	0.5	1.8 U	ND U	ND U	ND U	ND U	ND U
FSS3	FSS3	6/12/1988	0.5	1.7 U	ND U	ND U	ND U	ND U	ND U
SCV-12	SCV-12'	7/17/2012	12	**0.42**	0.001 U	0.01	0.006	0.001 U	0.002 U
SLR-1	SLR1-1	8/22/2011	1 - 1.5	0.11 U	0.05 U	0.062 U	0.058	0.044 U	0.07 U
SLR-1	SLR1-6	8/22/2011	6 - 6.5	0.11 U	0.05 U	0.062 U	0.055	0.044 U	0.07 U
SLR-1	SLR1-10	8/22/2011	10 - 10.5	0.11 U	0.05 U	0.062 U	0.0079	0.044 U	0.07 U
SLR-2	SLR2-1	8/19/2011	1 - 1.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-2	SLR2-6	8/22/2011	6 - 6.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-2	SLR2-10	8/19/2011	10 - 10.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-3	SLR3-1	8/19/2011	1 - 1.5	1.1 U	0.5 U	0.62 U	0.51 U	0.44 U	0.7 U
SLR-3	SLR3-6	8/22/2011	6 - 6.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-3	SLR3-10	8/19/2011	10 - 10.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-4	SLR4-1	8/19/2011	1 - 1.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-4	SLR4-5	8/19/2011	5 - 5.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-4	SLR4-10	8/19/2011	10 - 10.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-5	SLR5-3	8/22/2011	3 - 3.5	5.5 U	2.5 U	3.1 U	**4.3**	2.2 U	3.5 U
SLR-5	SLR5-6	8/22/2011	6 - 6.5	5.5 U	2.5 U	3.1 U	**3.4**	2.2 U	3.5 U
SLR-5	SLR5-10	8/22/2011	10 - 10.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-6	SLR6-1	8/19/2011	1 - 1.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-6	SLR6-5	8/19/2011	5 - 5.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-6	SLR6-10	8/19/2011	10 - 10.5	0.11 U	0.05 U	0.062 U	0.051 U	0.044 U	0.07 U
SLR-7	SLR7-1	8/22/2011	1 - 1.5	0.11 U	0.05 U	0.062 U	0.052	0.044 U	0.07 U
SLR-7	SLR7-5	8/22/2011	5 - 5.5	0.11 U	0.05 U	0.062 U	0.051	0.044 U	0.07 U
SLR-7	SLR7-10	8/22/2011	10 - 10.5	0.11 U	0.05 U	0.062 U	0.051	0.044 U	0.07 U
Trench 1-1	TRENCH1-1-8'	7/19/2012	8	0.043	0.0043	0.0043	0.0074	0.001 U	0.002 U
Trench 1-2	TRENCH1-2-9'	7/19/2012	9	**0.27**	0.001 U	0.012	0.001 U	0.001 U	0.002 U
Trench 2-1	TRENCH2-1-8'	7/24/2012	8	0.039	0.001 U	0.0047	0.019	0.001 U	0.002 U
Trench 4-1	TRENCH4-1-3.0'	7/26/2012	3	**0.05**	0.001 U	0.002 U	0.048	0.001 U	0.002 U

Table 5
Soil Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Bis(2-ethylhexyl) phthalate (mg/kg)	Butyl benzyl phthalate (mg/kg)	Dibutyl phthalate (mg/kg)	Diethyl phthalate (mg/kg)	Dimethyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**71.43**	**526**	**8,000**	**64,000**	**0.094**	**0.058**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.047**	**0.006**	**0.26**	**0.2**	**0.094**	**0.058**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.013**	**0.006**	**0.02**	**0.004**	**0.001**	**0.003**

Notes:

Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels
Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels
Non-detected values highlighted in blue exceed the preliminary soil cleanup levels
Results that exceed the screening levels due to possible interference from laboratory contamination are highlighted in purple
mg/kg = milligrams per kilogram.
NA = Not analyzed
NR = Not recorded
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
B = The laboratory report noted that the analyte detected in sample and method blank and the reported result is sample concentration without blank correction or associated quantitation limit.
J = The laboratory report noted that the analyte was positively identified and the reported result is an estimate.
M = The laboratory report noted that the reported value is an estimate, but with low spectral match parameters.
lc = The laboratory report noted that the presence of the compound indicated is likely due to laboratory contamination
ve = The laboratory report noted that the estimated concentration calculated for an analyte response above the valid instrument calibration range
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 6
Soil Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,2,4-Trichlorobenzene (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	2-Chloronaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	2-Nitroaniline (mg/kg)	3,3-Dichlorobenzidine (mg/kg)	4-Bromophenyl phenyl ether (mg/kg)	4-Chloroaniline (mg/kg)	4-Chlorophenyl-Phenylether (mg/kg)	4-Nitroaniline (mg/kg)	Benzoic acid (mg/kg)	Benzyl alcohol (mg/kg)	Bis(2-chloroethoxy) methane (mg/kg)	Bis(2-Chloroethyl)Ether (mg/kg)	Bis(2-chloroisopropyl) ether (mg/kg)	Carbazole (mg/kg)	Dibenzofuran (mg/kg)	Hexachlorobenzene (mg/kg)	Hexachlorobutadiene (mg/kg)	Hexachlorocyclo-pentadiene (mg/kg)	Hexachloroethane (mg/kg)	Isophorone (mg/kg)	m-Nitroaniline (mg/kg)	Nitrobenzene (mg/kg)	N-Nitrosodi-n-propylamine (mg/kg)	N-Nitrosodiphenylamine (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**800**	**72,000**	**0.28**	**0.0024**	**160**	**80**	**NV**	**0.043**	**800**	**2.2**	**NV**	**320**	**NV**	**NV**	**320,000**	**8,000**	**NV**	**0.91**	**NV**	**50**	**80**	**0.63**	**13**	**480**	**71**	**1,110**	**NV**	**160**	**14**	**200**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.0034**	**0.004**	**0.28**	**0.0024**	**NV**	**NV**	**NV**	**0.043**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.68**	**0.055**	**NV**	**NV**	**NV**	**50**	**0.015**	**0.001**	**0.002**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.012**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.0034**	**0.004**	**0.0027**	**0.0024**	**0.0016**	**0.0018**	**0.0014**	**0.001**	**0.0026**	**0.007**	**0.0016**	**0.18**	**0.0016**	**0.018**	**0.055**	**0.005**	**0.0014**	**0.0016**	**0.0016**	**0.002**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.001**	**0.017**	**0.003**	**0.003**	**0.001**
CMW-1	CMW-1-5	6/12/2008	5	NA	NA	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-2	CMW-2A-4	6/12/2008	4	NA	NA	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-3	CMW-3-5	6/12/2008	5	NA	NA	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-3	CMW-3-10	6/12/2008	10	NA	NA	NA	NA	NA	NA	NA	**0.66**	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	**0.78**	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-4	CMW-4-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	0.03	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-5	CMW-5-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-6	CMW-6-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-7	CMW-7-5	6/13/2008	5	NA	NA	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-7	CMW-7-7	6/13/2008	7	NA	NA	NA	NA	NA	NA	NA	**0.63**	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	0.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB1	DB1-5.0	4/17/1990	5	0.059 U	0.059 U	0.059 U	0.059 U	0.3 U	0.3 U	0.059 U	0.059 U	0.3 U	0.3 U	0.059 U	0.18 U	0.059 U	0.3 U	0.59 U	0.3 U	0.059 U	0.059 U	0.059 U	NA	0.059 U	0.059 U	0.12 U	0.3 U	0.12 U	0.059 U	0.3 U	0.059 U	0.059 U	0.059 U
DB1	DB1-6.5	4/17/1990	6.5	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U	0.3 U	0.06 U	0.06 U	0.6 U	0.3 U	0.06 U	0.18 U	0.06 U	0.3 U	0.6 U	0.3 U	0.06 U	0.06 U	0.06 U	NA	0.06 U	0.06 U	0.12 U	0.3 U	0.12 U	0.06 U	0.3 U	0.06 U	0.06 U	0.06 U
DB1	DB1-9.5	4/17/1990	9.5	0.062 U	0.062 U	0.062 U	0.062 U	0.31 U	0.31 U	0.062 U	0.062 U	0.31 U	0.31 U	0.062 U	0.19 U	0.062 U	0.31 U	0.62 U	0.31 U	0.062 U	0.062 U	0.062 U	NA	0.062 U	0.062 U	0.12 U	0.31 U	0.12 U	0.062 U	0.31 U	0.062 U	0.062 U	0.062 U
DMW2	DB2-3.5	4/17/1990	3.5	NA	NA	NA	NA	NA	NA	NA	0.058 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.058 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-4.5	4/17/1990	4.5	NA	NA	NA	NA	NA	NA	NA	**0.1** J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.15** J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-7	4/17/1990	7	NA	NA	NA	NA	NA	NA	NA	**4.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-9.5	4/17/1990	9.5	NA	NA	NA	NA	NA	NA	NA	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-12	4/17/1990	12	NA	NA	NA	NA	NA	NA	NA	0.073 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-18	4/17/1990	18	NA	NA	NA	NA	NA	NA	NA	0.07 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.07 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-2	4/18/1990	2	NA	NA	NA	NA	NA	NA	NA	0.082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-3.5	4/18/1990	3.5	NA	NA	NA	NA	NA	NA	NA	**0.17** M	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.32** J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-6	4/18/1990	6	NA	NA	NA	NA	NA	NA	NA	0.063 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.063 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-7.5	4/18/1990	7.5	NA	NA	NA	NA	NA	NA	NA	0.073 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-9	4/18/1990	9	NA	NA	NA	NA	NA	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-13.5	4/18/1990	13.5	NA	NA	NA	NA	NA	NA	NA	**0.67**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.44**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-17	4/18/1990	17	NA	NA	NA	NA	NA	NA	NA	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB4	DB4-6.0	4/19/1990	6	0.35 U	0.35 U	0.35 U	0.35 U	1.7 U	1.7 U	0.35 U	**0.35**	1.7 U	1.7 U	0.35 U	1 U	0.35 U	1.7 U	3.5 U	1.7 U	0.35 U	0.35 U	0.35 U	NA	**0.54**	0.35 U	0.69 U	1.7 U	0.69 U	0.35 U	1.7 U	0.35 U	0.35 U	0.35 U
DB4	DB4-8.5	4/19/1990	8.5	0.13 U	0.13 U	0.13 U	0.13 U	0.66 U	0.66 U	0.13 U	**0.13**	0.66 U	0.66 U	0.13 U	0.4 U	0.13 U	0.66 U	1.3 U	0.66 U	0.13 U	0.13 U	0.013 U	NA	**0.11** J	0.13 U	0.26 U	0.66 U	0.26 U	0.13 U	0.66 U	0.13 U	0.13 U	0.13 U
DB4	DB4-11.0	4/19/1990	11	0.085 U	0.085 U	0.085 U	0.085 U	0.42 U	0.42 U	0.085 U	0.085 U	0.42 U	0.42 U	0.085 U	0.25 U	0.085 U	0.42 U	0.85 U	0.42 U	0.085 U	0.085 U	0.085 U	NA	0.085 U	0.085 U	0.17 U	0.42 U	0.17 U	0.085 U	0.42 U	0.085 U	0.085 U	0.085 U
DB5	DB5-2.0	4/18/1990	2	0.37 U	0.37 U	0.37 U	0.37 U	1.8 U	1.8 U	0.37 U	**0.93**	1.8 U	1.8 U	0.37 U	1.1 U	0.37 U	1.8 U	3.7 U	1.8 U	0.37 U	0.37 U	0.37 U	NA	**3.2**	0.37 U	0.74 U	1.8 U	0.74 U	0.37 U	1.8 U	0.37 U	0.37 U	0.37 U
DB5	DB5-8.0	4/18/1990	8	0.062 U	0.062 U	0.062 U	0.062 U	0.31 U	0.31 U	0.062 U	0.062 U	0.31 U	0.31 U	0.062 U	0.19 U	0.062 U	0.31 U	0.62 U	0.31 U	0.062 U	0.062 U	0.062 U	NA	0.062 U	0.062 U	0.12 U	0.31 U	0.12 U	0.062 U	0.31 U	0.062 U	0.062 U	0.062 U
DB5	DB5-11.0	4/18/1990	11	0.068 U	0.068 U	0.068 U	0.068 U	0.34 U	0.34 U	0.068 U	0.068 U	0.34 U	0.34 U	0.068 U	0.2 U	0.068 U	0.34 U	0.68 U	0.34 U	0.068 U	0.068 U	0.068 U	NA	0.068 U	0.068 U	0.14 U	0.34 U	0.14 U	0.068 U	0.34 U	0.068 U	0.068 U	0.068 U
DMW6	DB6-2	4/19/1990	2	NA	NA	NA	NA	NA	NA	NA	**3**	NA	NA	NA	NA	NA	NA	3 U	NA	NA	NA	NA	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-4.5	4/19/1990	4.5	NA	NA	NA	NA	NA	NA	NA	**540**	NA	NA	NA	NA	NA	NA	5.7 U	NA	NA	NA	NA	NA	**210**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-7	4/19/1990	7	NA	NA	NA	NA	NA	NA	NA	**51**	NA	NA	NA	NA	NA	NA	3.5 U	NA	NA	NA	NA	NA	**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-10	4/19/1990	10	NA	NA	NA	NA	NA	NA	NA	**0.16**	NA	NA	NA	NA	NA	NA	0.78 U	NA	NA	NA	NA	NA	**0.092**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-13	4/19/1990	13	NA	NA	NA	NA	NA	NA	NA	**6.4**	NA	NA	NA	NA	NA	NA	0.9 U	NA	NA	NA	NA	NA	**4.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-16	4/19/1990	16	NA	NA	NA	NA	NA	NA	NA	**1**	NA	NA	NA	NA	NA	NA	0.84 U	NA	NA	NA	NA	NA	**0.51**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-18.5	4/19/1990	18.5	NA	NA	NA	NA	NA	NA	NA	0.093 U	NA	NA	NA	NA	NA	NA	0.93 U	NA	NA	NA	NA	NA	0.093 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB7	DB7-6.0	4/18/1990	6	0.06 U	0.06 U	0.06 U	0.06 U	0.3 U	0.3 U	0.06 U	0.06 U	0.3 U	0.3 U	0.06 U	0.18 U	0.06 U	0.3 U	0.6 U	0.3 U	0.06 U	0.06 U	0.06 U	NA	0.06 U	0.06 U	0.12 U	0.3 U	0.12 U	0.06 U	0.3 U	0.06 U	0.06 U	0.06 U
DB7	DB7-8.5	4/18/1990	8.5	0.073 U	0.073 U	0.073 U	0.073 U	0.37 U	0.37 U	0.073 U	**0.25**	0.37 U	0.37 U	0.073 U	0.22 U	0.073 U	0.37 U	0.73 U	0.37 U	0.073 U	0.073 U	0.073 U	NA	0.073 U	0.073 U	0.15 U	0.37 U	0.15 U	0.073 U	0.37 U	0.073 U	0.073 U	0.073 U
DB7	DB7-11.5	4/18/1990	11.5	NA	NA	NA	NA	NA	NA	NA	**0.73**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB8	DB8-5.0	4/19/1990	5	0.063 U	0.063 U	0.063 U	0.063 U	0.31 U	0.31 U	0.063 U	**0.057** J	0.31 U	0.31 U	0.063 U	0.19 U	0.063 U	0.31 U	0.63 U	0.31 U	0.063 U	0.063 U	0.063 U	NA	**0.042** J	0.063 U	0.13 U	0.31 U	0.13 U	0.063 U	0.31 U	0.063 U	0.063 U	0.063 U
DB8	DB8-8.0	4/19/1990	8	0.074 U	0.074 U	0.074 U	0.074 U	0.37 U	0.37 U	0.074 U	0.074 U	0.37 U	0.37 U	0.074 U	0.22 U	0.074 U	0.37 U	0.74 U	0.37 U	0.074 U	0.074 U	0.074 U	NA	0.074 U	0.074 U	0.15 U	0.37 U	0.15 U	0.074 U	0.37 U	0.074 U	0.074 U	0.074 U
DB8	DB8-11.0	4/19/1990	11	0.078 U	0.078 U	0.078 U	0.078 U	0.39 U	0.39 U	0.078 U	0.078 U	0.39 U	0.39 U	0.078 U	0.23 U	0.078 U	0.39 U	0.78 U	0.39 U	0.078 U	0.078 U	0.078 U	NA	0.078 U	0.078 U	0.16 U	0.39 U	0.16 U	0.078 U	0.39 U	0.078 U	0.078 U	0.078 U
DB9	DB9-5.0	4/19/1990	5	0.066 U	0.066 U	0.066 U	0.066 U	0.33 U	0.33 U	0.066 U	**0.062** J	0.33 U	0.33 U	0.066 U	0.2 U	0.066 U	0.33 U	0.66 U	0.33 U	0.066 U	0.066 U	0.066 U	NA	**0.032**	0.066 U	0.13 U	0.33 U	0.13 U	0.066 U	0.33 U	0.066 U	0.066 U	0.066 U
DB9	DB9-8.0	4/19/1990	8	0.069 U	0.069 U	0.069 U	0.069 U	0.34 U	0.34 U	0.069 U	0.069 U	0.34 U	0.34 U	0.069 U	0.21 U	0.069 U	0.34 U	0.69 U	0.34 U	0.069 U	0.069 U	0.069 U	NA	0.069 U	0.069 U	0.14 U	0.34 U	0.14 U	0.069 U	0.34 U	0.069 U	0.069 U	0.069 U
DB9	DB9-11.0	4/19/1990	11	0.091 U	0.091 U	0.091 U	0.091 U	0.45 U	0.45 U	0.091 U	0.091 U	0.45 U	0.45 U	0.091 U	0.27 U	0.091 U	0.45 U	0.9 U	0.45 U	0.091 U	0.091 U	0.091 U	NA	0.091 U	0.091 U	0.18 U	0.45 U	0.18 U	0.091 U	0.45 U	0.091 U	0.091 U	0.091 U
DB10	DB10-5.0	4/20/1990	5	0.083 U	0.083 U	0.083 U	0.083 U	0.41 U	0.41 U	0.083 U	0.083 U	0.41 U	0.41 U	0.083 U	0.25 U	0.083 U	0.41 U	0.83 U	0.41 U	0.083 U	0.083 U	0.083 U	NA	0.083 U	0.083 U	0.17 U	0.41 U	0.17 U	0.083 U	0.41 U	0.083 U	0.083 U	0.083 U
DB10	DB10-8.0	4/20/1990	8	0.08 U	0.08 U	0.08 U	0.08 U	0.4 U	0.4 U	0.08 U	0.08 U	0.4 U	0.4 U	0.08 U	0.24 U	0.08 U	0.4 U	0.8 U	0.4 U	0.08 U	0.08 U	0.08 U	NA	0.08 U	0.08 U	0.16 U	0.4 U	0.16 U	0.08 U	0.4 U	0.08 U	0.08 U	0.08 U
DB10	DB10-11.0	4/20/1990	11	0.083 U	0.083 U	0.083 U	0.083 U	0.41 U	0.41 U	0.083 U	0.083 U	0.41 U	0.41 U	0.083 U	0.25 U	0.083 U	0.41 U	0.83 U	0.41 U	0.083 U	0.083 U	0.083 U	NA	0.083 U	0.083 U	0.17 U	0.41 U	0.17 U	0.083 U	0.41 U	0.083 U	0.083 U	0.083 U
DB11	DB11-6.5	4/18/1990	6.5	0.082 U	0.082 U	0.082 U	0.082 U	0.41 U	0.41 U	0.082 U	0.082 U	0.41 U	0.41 U	0.082 U	0.25 U	0.082 U	0.41 U	0.82 U	0.41 U	0.082 U	0.082 U	0.082 U	NA	0.082 U	0.082 U	0.16 U	0.41 U	0.16 U	0.082 U	0.41 U	0.082 U	0.082 U	0.082 U
DB11	DB11-6.5D9(dupl.)	4/18/1990	6.5	0.082 U	0.082 U	0.082 U	0.082 U	0.41 U	0.41 U	0.082 U	0.082 U	0.41 U	0.41 U	0.082 U	0.25 U	0.082 U	0.41 U	0.82 U	0.41 U	0.082 U	0.082 U	0.082 U	NA	0.082 U	0.082 U	0.16 U	0.41 U	0.16 U	0.082 U	0.41 U	0.082 U	0.082 U	0.082 U
DB11	DB11-8.0	4/18/1990	8	1.1 U	1.1 U	1.1 U	1.1 U	5.3 U	5.3 U	1.1 U	**940** K	5.3 U	5.3 U	NA	3.2 U	1.1 U	5.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB11	DB11-8.0D(dupl.)	4/18/1990	8	21 U	21 U	21 U	21 U	110 U	110 U	21 U	**640**	110 U	110 U	1.1 U	64 U	21 U	110 U	11 U	5.3 U	1.1 U	1.1 U	1.1 U	NA	**390**	1.1 U	2.1 U	5.3 U	2.1 U	1.1 U	5.3 U	1.1 U	1.1 U	1.1 U
DB11	DB11-9.5	4/18/1990	9.5	0.21 U	0.21 U	0.21 U	0.21 U	1 U	1 U	0.21 U	**88** K	1 U	1 U	0.21 U	0.62 U	0.21 U	1 U	2.1 U	1 U	0.21 U	0.21 U	0.21 U	NA	**29**	0.21 U	0.41 U	1 U	0.41 U	0.21 U	1 U	0.21 U	0.21 U	0.21 U
DB11	DB11-9.5D(dupl.)	4/18/1990	9.5	5.1 U	5.1 U	5.1 U	5.1 U	26 U	26 U	5.1 U	**120**	26 U	26 U	5.1 U	15 U	5.1 U	26 U	51 U	26 U	5.1 U	5.1 U	5.1 U	NA	**79**	5.1 U	10 U	26 U	10 U	5.1 U	26 U	5.1 U	5.1 U	5.1 U
DB12	DB12-5.0	4/26/1990	5	0.089 U	0.089 U	0.089 U	0.089 U	0.44 U	0.44 U	0.089 U	**0.055** J	0.44 U	0.44 U	0.089 U	0.27 U	0.089 U	0.44 U	0.89 U	0.04 U	0.089 U	0.089 U	0.089 U	NA	**0.23**	0.089 U	0.18 U	0.44 U	0.18 U	0.089 U	0.44 U	0.089 U	0.089 U	0.089 U
DB12	DB12-11.5	4/26/1990	11.5	1.5 U	1.5 U	1.5 U	**0.79**	7.6 U	7.6 U	1.5 U	**1.2** J	7.6 U	7.6 U	1.5 U	4.6 U	1.5 U	7.6 U	15 U	7.6 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	3.1 U	7.6 U	3.1 U	1.5 U	7.6 U	1.5 U	1.5 U	1.5 U
DB13	DB13-11.0	4/26/1990	11	0.076 U	0.076 U	0.076 U	0.076 U	0.38 U	0.38 U	0.076 U	0.024 J	0.38 U	0.38 U	0.076 U	0.23 U	0.076 U	0.38 U	0.76 U	0.38 U	0.076 U	0.076 U	0.076 U	NA	**0.02**	0.076 U	0.15 U	0.38 U	0.15 U	0.076 U	0.38 U	0.076 U	0.076 U	0.076 U
DB14	DB14-9.5	4/26/1990	9.5	0.071 U	0.071 U	0.071 U	0.071 U	0.35 U	0.35 U	0.071 U	0.071 U	0.35 U	0.35 U	0.071 U	0.21 U	0.071 U	0.35 U	0.71 U	0.35 U	0.071 U	0.071 U	0.071 U	NA	0.071 U	0.071 U	0.14 U	0.35 U	0.14 U	0.071 U	0.35 U	0.071 U	0.071 U	0.071 U
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EB-5	EB-5-10.0	6/18/2013	9 - 11	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.035	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	0.17 U	0.2 U	0.13 U	0.12 U	0.08 U	0.09 U	0.07 U	**0.075**	0.13 U	NA	0.08 U	8.9 U	0.08 U	0.91 U	2.7 U	0.25 U	0.07 U	0.08 U	0.08 U	0.1 U	0.05 U	0.05 U	0.1 U	0.11 U	0.17 U	0.06 U	0.87 U	0.13 U	0.15 U	0.05 U
EB-5	EB-5-12.5	6/18/2013	12 - 13	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0056	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	1.7 U	2 U	1.3 U	1.2 U	0.8 U	0.9 U	0.7 U	0.5 U	1.3 U	NA	0.8 U	89 U	0.8 U	9.1 U	27 U	2.5 U	0.7 U	0.8 U	0.8 U	1 U	0.5 U	0.5 U	1 U	1.1 U	1.7 U	0.6 U	8.7 U	1.3 U	1.5 U	0.5 U
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	**0.14**	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U

Table 6
Soil Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,2,4-Trichlorobenzene (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	2-Chloronaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	2-Nitroaniline (mg/kg)	3,3-Dichlorobenzidine (mg/kg)	4-Bromophenyl phenyl ether (mg/kg)	4-Chloroaniline (mg/kg)	4-Chlorophenyl-Phenylether (mg/kg)	4-Nitroaniline (mg/kg)	Benzoic acid (mg/kg)	Benzyl alcohol (mg/kg)	Bis(2-chloroethoxy) methane (mg/kg)	Bis(2-Chloroethyl)Ether (mg/kg)	Bis(2-chloroisopropyl) ether (mg/kg)	Carbazole (mg/kg)	Dibenzofuran (mg/kg)	Hexachlorobenzene (mg/kg)	Hexachlorobutadiene (mg/kg)	Hexachlorocyclo-pentadiene (mg/kg)	Hexachloroethane (mg/kg)	Isophorone (mg/kg)	m-Nitroaniline (mg/kg)	Nitrobenzene (mg/kg)	N-Nitrosodi-n-propylamine (mg/kg)	N-Nitrosodiphenylamine (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**800**	**72,000**	**0.28**	**0.0024**	**160**	**80**	**NV**	**0.043**	**800**	**2.2**	**NV**	**320**	**NV**	**NV**	**320,000**	**8,000**	**NV**	**0.91**	**NV**	**50**	**80**	**0.63**	**13**	**480**	**71**	**1,110**	**NV**	**160**	**14**	**200**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.0034**	**0.004**	**0.28**	**0.0024**	**NV**	**NV**	**NV**	**0.043**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.68**	**0.055**	**NV**	**NV**	**NV**	**50**	**0.015**	**0.001**	**0.002**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.012**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.0034**	**0.004**	**0.0027**	**0.0024**	**0.0016**	**0.0018**	**0.0014**	**0.001**	**0.0026**	**0.007**	**0.0016**	**0.18**	**0.0016**	**0.018**	**0.055**	**0.005**	**0.0014**	**0.0016**	**0.0016**	**0.002**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.001**	**0.017**	**0.003**	**0.003**	**0.001**
EB-16	EB-16-2.5'	6/19/2013	2 - 3	3.4 U	4 U	2.6 U	2.4 U	1.6 U	1.8 U	1.4 U	1 U	2.6 U	NA	1.6 U	180 U	1.6 U	18 U	55 U	5 U	1.4 U	1.6 U	1.6 U	2 U	1 U	1 U	2 U	2.2 U	3.4 U	1.2 U	17 U	2.6 U	3 U	1 U
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	0.02 U	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	0.04 U	0.02 U	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 U
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	0.17 U	0.2 U	0.13 U	0.12 U	0.08 U	0.09 U	0.07 U	0.05 U	0.13 U	NA	0.08 U	8.9 U	0.08 U	0.91 U	2.7 U	0.25 U	0.07 U	0.08 U	0.08 U	0.1 U	0.05 U	0.05 U	0.1 U	0.11 U	0.17 U	0.06 U	0.87 U	0.13 U	0.15 U	0.05 U
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-24	EB-24-1.0	6/17/2013	1 - 2	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	0.02 U	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	0.04 U	0.02 U	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 UJ
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.054	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0069 E	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.011	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-24	EB-24-12.5	6/17/2013	12 - 13	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.017	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	0.02 U	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	0.04 U	0.02 U	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 U
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	0.68 U	0.8 U	0.52 U	0.48 U	0.32 U	0.36 U	0.28 U	0.2 U	0.52 U	NA	0.32 U	36 U	0.32 U	3.6 U	11 U	1 U	0.28 U	0.32 U	0.32 U	0.4 U	0.2 U	0.2 U	0.4 U	0.44 U	0.68 U	0.24 U	3.5 U	0.52 U	0.6 U	0.2 U
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.036	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	0.68 U	0.8 U	0.52 U	0.48 U	0.32 U	0.36 U	0.28 U	0.65	0.52 U	NA	0.32 U	36 U	0.32 U	3.6 U	11 U	1 U	0.28 U	0.32 U	0.32 U	0.4 U	0.37	0.2 U	0.4 U	0.44 U	0.68 U	0.24 U	3.5 U	0.52 U	0.6 U	0.2 U
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.03	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-32	EB-32-12.5	6/14/2013	12 - 13	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.044	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.093	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.73	0.073	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	1.7 U	2 U	1.3 U	1.2 U	0.8 U	0.9 U	0.7 U	0.5 U	1.3 U	NA	0.8 U	89 U	0.8 U	9.1 U	27 U	2.5 U	0.7 U	0.8 U	0.8 U	1 U	0.5 U	0.5 U	1 U	1.1 U	1.7 U	0.6 U	8.7 U	1.3 U	1.5 U	0.5 U
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 UJ	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	NA	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	0.069	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	0.33	0.25	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 U
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0095	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0098	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	1.7 U	2 U	1.3 U	1.2 U	0.8 U	0.9 U	0.7 U	1.9	1.3 U	NA	0.8 U	89 U	0.8 U	9.1 U	27 U	2.5 U	0.7 U	0.8 U	0.8 U	6	2.3	0.5 U	1 U	1.1 U	1.7 U	0.6 U	8.7 U	1.3 U	1.5 U	0.5 U
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.022	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-41	EB-91-10.0(dupl.)	6/14/2013	9 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.042	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.054	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.016	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	0.68 U	0.8 U	0.52 U	0.48 U	0.32 U	0.36 U	0.28 U	0.2 U	0.52 U	NA	0.32 U	36 U	0.32 U	3.6 U	11 U	1 U	0.28 U	0.32 U	0.32 U	0.4 U	0.2 U	0.2 U	0.4 U	0.44 U	0.68 U	0.24 U	3.5 U	0.52 U	0.6 U	0.2 U
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.0042	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.025	0.0014 U	0.0016 U	0.0016 U	0.019	0.007	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.03	0.0014 U	0.0016 U	0.0016 U	0.01	0.0022	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-46	EB-46-2.5	6/14/2013	2 - 3	0.68 U	0.8 U	0.52 U	0.48 U	0.32 U	0.36 U	0.28 U	0.2 U	0.52 U	NA	0.32 U	36 U	0.32 U	3.6 U	11 U	1 U	0.28 U	0.32 U	0.32 U	0.4 U	0.2 U	0.2 U	0.4 U	0.44 U	0.68 U	0.24 U	3.5 U	0.52 U	0.6 U	0.2 U
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.0011	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.055	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.0011	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.038	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	0.02 U	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	0.04 U	0.02 U	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 U
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	0.02 U	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	0.046	0.026	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 U
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.016	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.023	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.032	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-50	EB-50-7.5	6/14/2013	7 - 8	0.17 U	0.2 U	0.13 U	0.12 U	0.08 U	0.09 U	0.07 U	0.05 U	0.13 U	NA	0.08 U	8.9 U	0.08 U	0.91 U	2.7 U	0.25 U	0.07 U	0.08 U	0.08 U	0.1 U	0.05 U	0.05 U	0.1 U	0.11 U	0.17 U	0.06 U	0.87 U	0.13 U	0.15 U	0.05 U
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0076	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	6.9	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	0.047	0.22	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 U
EB-51	EB-51-10.0	6/13/2013	9 - 10	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.054	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-2S	EMW-2S-2.5	6/17/2013	2 - 3	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 UJ	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-2S	EMW-2S-5.0	6/17/2013	4 - 5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 UJ	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-2S	EMW-2S-10.0	6/17/2013	9.5 - 11	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 UJ	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-3S	EMW-3S-1.0	6/11/2013	0.5 - 1.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EMW-3S	EMW-3S-5.0	6/11/2013	4.5 - 5.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EMW-3S	EMW-3S-15.0	6/11/2013	14.5 - 15.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0062	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-3S	EMW-89S-5.0(dupl.)	6/11/2013	14.5 - 15.5	0.68 U	0.8 U	0.52 U	0.48 U	0.32 U	0.36 U	0.28 U	0.2 U	0.52 U	NA	0.32 U	36 U	0.32 U	3.6 U	11 U	1 U	0.28 U	0.32 U	0.32 U	0.4 U	0.2 U	0.2 U	0.4 U	0.44 U	0.68 U	0.24 U	3.5 U	0.52 U	0.6 U	0.2 U
EMW-4D	EMW-4D-2.5'	6/17/2013	2 - 3	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.019	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-4D	EMW-4D-7.5'	6/17/2013	7 - 8	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.022	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-4D	EMW-4D-5.0'	6/17/2013	4.5 - 5.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.019	0.0

Table 6
Soil Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,2,4-Trichlorobenzene (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	2-Chloronaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	2-Nitroaniline (mg/kg)	3,3-Dichlorobenzidine (mg/kg)	4-Bromophenyl phenyl ether (mg/kg)	4-Chloroaniline (mg/kg)	4-Chlorophenyl-Phenylether (mg/kg)	4-Nitroaniline (mg/kg)	Benzoic acid (mg/kg)	Benzyl alcohol (mg/kg)	Bis(2-chloroethoxy) methane (mg/kg)	Bis(2-Chloroethyl)Ether (mg/kg)	Bis(2-chloroisopropyl) ether (mg/kg)	Carbazole (mg/kg)	Dibenzofuran (mg/kg)	Hexachlorobenzene (mg/kg)	Hexachlorobutadiene (mg/kg)	Hexachlorocyclo-pentadiene (mg/kg)	Hexachloroethane (mg/kg)	Isophorone (mg/kg)	m-Nitroaniline (mg/kg)	Nitrobenzene (mg/kg)	N-Nitrosodi-n-propylamine (mg/kg)	N-Nitrosodiphenylamine (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**800**	**72,000**	**0.28**	**0.0024**	**160**	**80**	**NV**	**0.043**	**800**	**2.2**	**NV**	**320**	**NV**	**NV**	**320,000**	**8,000**	**NV**	**0.91**	**NV**	**50**	**80**	**0.63**	**13**	**480**	**71**	**1,110**	**NV**	**160**	**14**	**200**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.0034**	**0.004**	**0.28**	**0.0024**	**NV**	**NV**	**NV**	**0.043**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.68**	**0.055**	**NV**	**NV**	**NV**	**50**	**0.015**	**0.001**	**0.002**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.012**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.0034**	**0.004**	**0.0027**	**0.0024**	**0.0016**	**0.0018**	**0.0014**	**0.001**	**0.0026**	**0.007**	**0.0016**	**0.18**	**0.0016**	**0.018**	**0.055**	**0.005**	**0.0014**	**0.0016**	**0.0016**	**0.002**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.001**	**0.017**	**0.003**	**0.003**	**0.001**
EMW-8S	EMW-8S-1.0	6/12/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 UJ	0.0018 UJ	0.0014 UJ	0.001 U	0.0026 UJ	NA	0.0016 UJ	0.18 U	0.0016 UJ	0.018 UJ	0.055 U	0.05 U	0.0014 U	0.0016 U	0.0016 U	0.002 UJ	0.001 UJ	0.001 UJ	0.002 U	0.0022 UJ	0.0034 U	0.0012 U	0.017 UJ	0.0026 U	0.003 U	0.001 UJ
EMW-8S	EMW-8S-5.0	6/12/2013	4.5 - 5.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.014	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.027	0.0014 U	0.0016 U	0.0016 U	0.013	0.006	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-8S	EMW-8S-10.0	6/12/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.024	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-9S	EMW-9S-1.0	6/13/2013	0.5 - 1.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 UJ	0.018 UJ	0.014 UJ	0.01 U	0.026 UJ	NA	0.016 U	1.8 U	0.016 UJ	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 UJ	0.01 U	0.02 U	0.022 UJ	0.034 U	0.012 U	0.17 UJ	0.026 U	0.03 U	0.01 U
EMW-9S	EMW-9S-5.0	6/13/2013	4.5 - 5.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	**0.051**	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.057	**0.063**	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-9S	EMW-9S-10.0	6/13/2013	9.5 - 10.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 UJ	0.018 UJ	0.014 UJ	**0.06**	0.026 UJ	NA	0.016 U	1.8 U	0.016 UJ	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.24	**0.1** E	0.01 U	0.02 U	0.022 UJ	0.034 U	0.012 U	0.17 UJ	0.026 U	0.03 U	0.01 U
EMW-9S	EMW-9S-12.5	6/13/2013	12 - 13	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.04	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-10D	EMW-10D-1.0'	6/19/2013	0.5 - 1.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-10D	EMW-10D-5.0'	6/19/2013	4.5 - 5.5	68 U	80 U	52 U	48 U	32 U	36 U	28 U	**88**	52 U	NA	32 U	3600 U	32 U	360 U	1100 U	100 U	28 U	32 U	32 U	40 U	**160**	20 U	40 U	44 U	68 U	24 U	350 U	52 U	60 U	20 U
EMW-10D	EMW-10S-5.0'(dupl.)	6/19/2013	4.5 - 5.5	6.8 U	8 U	5.2 U	4.8 U	3.2 U	3.6 U	2.8 U	**18**	5.2 U	NA	3.2 U	360 U	3.2 U	36 U	110 U	10 U	2.8 U	3.2 U	3.2 U	9.7	**37**	2 U	4 U	4.4 U	6.8 U	2.4 U	35 U	5.2 U	6 U	2 U
EMW-10D	EMW-10D-10.0'	6/19/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.0072	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.006	**0.017**	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-10D	EMW-10D-15.0'	6/19/2013	14.5 - 15.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.0014	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-10D	EMW-10D-35.0'	6/19/2013	34.5 - 35.5	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	**12**	1 U	NA	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	8 U	**84** E	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
EMW-11S	EMW-11S-1.0	6/12/2013	0.5 - 1.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-11S	EMW-11S-5.0	6/12/2013	4.5 - 5.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-11S	EMW-11S-10.0	6/12/2013	9.5 - 10.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-11S	EMW-11S-12.5	6/12/2013	12 - 13	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0068	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-12S	EMW-12S-1.0	6/11/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0061	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-12S	EMW-12S-5.0	6/11/2013	4.5 - 5.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.32	**0.11**	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EMW-12S	EMW-12S-10.0	6/11/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0083	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-12S	EMW-12S-15.0	6/11/2013	14.5 - 15.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-13S	EMW-13S-1.0	6/11/2013	0.5 - 1.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-13S	EMW-13S-5.0	6/11/2013	4.5 - 5.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.0067	0.0014 U	0.0016 U	0.0016 U	0.0027	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-13S	EMW-13S-7.5	6/11/2013	7 - 8	0.68 U	0.8 U	0.52 U	0.48 U	0.32 U	0.36 U	0.28 U	**0.23**	0.52 U	NA	0.32 U	36 U	0.32 U	3.6 U	11 U	1 U	0.28 U	0.32 U	0.32 U	0.4 U	0.2 U	0.2 U	0.4 U	0.44 U	0.68 U	0.24 U	3.5 U	0.52 U	0.6 U	0.2 U
EMW-13S	EMW-13S-12.5	6/11/2013	12 - 13	NA	NA	NA	NA	NA	NA	NA	**0.058**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EMW-14D	EMW-14D-1.0'	6/17/2013	0.5 - 1.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.021	0.0014 U	0.0016 U	0.0016 U	0.002 U	0.001 U	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-14D	EMW-14D-5.0'	6/17/2013	4.5 - 5.5	1.7 U	2 U	1.3 U	1.2 U	0.8 U	0.9 U	0.7 U	0.5 U	1.3 U	NA	0.8 U	89 U	0.8 U	9.1 U	27 U	2.5 U	0.7 U	0.8 U	0.8 U	1 U	0.5 U	0.5 U	1 U	1.1 U	1.7 U	0.6 U	8.7 U	1.3 U	1.5 U	0.5 U
EMW-14D	EMW-14D-10.0'	6/17/2013	9.5 - 10.5	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	**2.8**	1 U	NA	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	2.8	**3.3**	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
EMW-14D	EMW-14D-15.0'	6/17/2013	14.5 - 15.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.001 U	0.0026 U	NA	0.0016 U	0.18 U	0.0016 U	0.018 U	0.055 U	0.005 U	0.0014 U	0.0016 U	0.0016 U	0.004	0.0023	0.001 U	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 U
EMW-15D	EMW-15D-1.0'	6/18/2013	0.5 - 1.5	0.0068 U	0.008 U	0.0052 U	0.0048 U	0.0032 U	0.0036 U	0.0028 U	0.0052	0.0052 U	NA	0.0032 U	0.36 U	0.0032 U	0.036 U	0.11 U	0.01	0.0028 U	0.0032 U	0.0032 U	0.04	0.009	0.002 U	0.004 U	0.0044 U	0.0068 U	0.0024 U	0.035 U	0.0052 U	0.006 U	0.002 U
EMW-15D	EMW-15D-5.0'	6/18/2013	4.5 - 5.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	0.1 U	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EMW-15D	EMW-15D-10.0'	6/18/2013	9.5 - 10.5	0.34 U	0.4 U	0.26 U	0.24 U	0.16 U	0.18 U	0.14 U	0.1 U	0.26 U	NA	0.16 U	18 U	0.16 U	1.8 U	5.5 U	0.5 U	0.14 U	0.16 U	0.16 U	0.2 U	**0.11**	0.1 U	0.2 U	0.22 U	0.34 U	0.12 U	1.7 U	0.26 U	0.3 U	0.1 U
EMW-16D	EMW-16D-1.0'	6/18/2013	0.5 - 1.5	0.068 U	0.08 U	0.052 U	0.048 U	0.032 U	0.036 U	0.028 U	**0.054**	0.052 U	NA	0.032 U	3.6 U	0.032 U	0.36 U	1.1 U	0.1 U	0.028 U	0.032 U	0.032 U	1	**0.22**	0.02 U	0.04 U	0.044 U	0.068 U	0.024 U	0.35 U	0.052 U	0.06 U	0.02 U
EMW-16D	EMW-16D-5.0'	6/18/2013	4.5 - 5.5	0.034 U	0.04 U	0.026 U	0.024 U	0.016 U	0.018 U	0.014 U	0.01 U	0.026 U	NA	0.016 U	1.8 U	0.016 U	0.18 U	0.55 U	0.05 U	0.014 U	0.016 U	0.016 U	0.02 U	0.01 U	0.01 U	0.02 U	0.022 U	0.034 U	0.012 U	0.17 U	0.026 U	0.03 U	0.01 U
EMW-16D	EMW-16D-10.0'	6/18/2013	9.5 - 10.5	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0018 U	0.0014 U	0.002	0.0026 U	NA	0.0016 UJ	0.18 U	0.0016 U	0.018 UJ	0.055 U	0.0074	0.0014 U	0.0016 U	0.0016 U	0.002 UJ	0.001 U	0.001 UJ	0.002 U	0.0022 U	0.0034 U	0.0012 U	0.017 U	0.0026 U	0.003 U	0.001 UJ
FMW-1	FB-1-2	4/23/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-1	FB-1-7	4/23/1990	7	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-1	FB-1-13	4/23/1990	13	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-2	FB-2-2	4/20/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-2	FB-2-5.5	4/20/1990	5.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-2	FB-2-8	4/20/1990	8	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-2	FB-2-18.5	4/20/1990	18.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-3	FB-3-3	4/23/1990	3	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-3	FB-3-3.5	4/23/1990	3.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-3	FB-3-13.5	4/23/1990	13.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FB-4	FB-4-2	4/20/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FB-4	FB-4-8	4/20/1990	8	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FB-4	FB-4-11	4/20/1990	11	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FB-5	FB-5-2	4/20/1990	2	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FB-5	FB-5-8	4/20/1990	8	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FB-5	FB-5-11	4/20/1990	11	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSS2	FSS2	6/12/1988	0.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FSS3	FSS3	6/12/1988	0.5	NA	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	ND U	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1	HC1-S1	11/7/1988	2.5 - 2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1	HC1-S3	11/7/1988	5 - 6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.89 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1A	HC1A-S4	11/7/1988	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.88 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-13	HC13-2.5	1/17/1989	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.94**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-101	HC101-S1	8/22/1990	3.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-101	HC101-S3	8/22/1990	8.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-101	HC101-S4	8/22/1990	11	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-102	HC102-S1	8/20/1990	3.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-102	HC102-S3	8/20/1990	8.5	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-102	HC102-S4	8/20/1990	11.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S3	8/21/1990	6.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S4	8/21/1990	8.5	NA	NA	NA	NA	NA	NA	NA	**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S5	8/21/1990	9.8	NA	NA	NA	NA	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S6	8/21/1990	10.8	NA	NA	NA	NA	NA	NA	NA	**1.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-103	HC103-S6D(dupl.)	8/21/1990	10.8	NA	NA	NA	NA	NA	NA	NA	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6
Soil Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,2,4-Trichlorobenzene (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	2-Chloronaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	2-Nitroaniline (mg/kg)	3,3-Dichlorobenzidine (mg/kg)	4-Bromophenyl phenyl ether (mg/kg)	4-Chloroaniline (mg/kg)	4-Chlorophenyl-Phenylether (mg/kg)	4-Nitroaniline (mg/kg)	Benzoic acid (mg/kg)	Benzyl alcohol (mg/kg)	Bis(2-chloroethoxy) methane (mg/kg)	Bis(2-Chloroethyl)Ether (mg/kg)	Bis(2-chloroisopropyl) ether (mg/kg)	Carbazole (mg/kg)	Dibenzofuran (mg/kg)	Hexachlorobenzene (mg/kg)	Hexachlorobutadiene (mg/kg)	Hexachlorocyclo-pentadiene (mg/kg)	Hexachloroethane (mg/kg)	Isophorone (mg/kg)	m-Nitroaniline (mg/kg)	Nitrobenzene (mg/kg)	N-Nitrosodi-n-propylamine (mg/kg)	N-Nitrosodiphenylamine (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**800**	**72,000**	**0.28**	**0.0024**	**160**	**80**	**NV**	**0.043**	**800**	**2.2**	**NV**	**320**	**NV**	**NV**	**320,000**	**8,000**	**NV**	**0.91**	**NV**	**50**	**80**	**0.63**	**13**	**480**	**71**	**1,110**	**NV**	**160**	**14**	**200**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.0034**	**0.004**	**0.28**	**0.0024**	**NV**	**NV**	**NV**	**0.043**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.68**	**0.055**	**NV**	**NV**	**NV**	**50**	**0.015**	**0.001**	**0.002**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.012**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.0034**	**0.004**	**0.0027**	**0.0024**	**0.0016**	**0.0018**	**0.0014**	**0.001**	**0.0026**	**0.007**	**0.0016**	**0.18**	**0.0016**	**0.018**	**0.055**	**0.005**	**0.0014**	**0.0016**	**0.0016**	**0.002**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.001**	**0.017**	**0.003**	**0.003**	**0.001**
HC-104	HC104-S2	8/20/1990	5.2	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-104	HC104-S3	8/20/1990	6.2	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-104	HC104-S4	8/20/1990	8.5	NA	NA	NA	NA	NA	NA	NA	0.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-104	HC104-S5	8/20/1990	11	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-105	HC105-S2	8/22/1990	6	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-105	HC105-S3	8/22/1990	8.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-105	HC105-S4	8/22/1990	11.3	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-105	HC105-S5	8/22/1990	13.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S1	8/21/1990	3.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S2	8/21/1990	5.3	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S3	8/21/1990	7.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S3D(dupl.)	8/21/1990	7.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S4	8/21/1990	11	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-106	HC106-S5	8/21/1990	13.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S1	8/21/1990	3	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S2	8/21/1990	5.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S3	8/21/1990	7	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S4	8/21/1990	10	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-107	HC107-S5	8/21/1990	13	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S3	8/22/1990	6	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S4	8/22/1990	8	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S5	8/22/1990	10	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-108	HC108-S6	8/22/1990	13	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-109	HC109-S2	8/21/1990	NR	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-109	HC109-S3	8/21/1990	NR	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-109	HC109-S5	8/21/1990	NR	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S1	8/21/1990	2.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S3	8/21/1990	5.5	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S4	8/21/1990	7	NA	NA	NA	NA	NA	NA	NA	**0.15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S5	8/21/1990	10	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-110	HC110-S6	8/21/1990	13	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-1	SB1-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	**0.18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-1	SB1-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-2	SB2-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	**0.07**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-2	SB2-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.023 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-3	SB3-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-3	SB3-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4	SB4-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-4	SB4-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5	SB5-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5	SB5-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-6	SB6-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.023 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-6	SB6-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-7	SB7-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-7	SB7-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	**0.057**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8	SB8-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8	SB8-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.026 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-9	SB9-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	**0.058**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-9	SB9-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-10	SB10-1-0FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.022 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-10	SB10-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-11	SB11-0-1FT	12/16/2009	0 - 1	NA	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-11	SB11-4-5FT	12/16/2009	4 - 5	NA	NA	NA	NA	NA	NA	NA	0.026 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCV-12	SCV-12'	7/17/2012	12	0.0034	0.005 U	0.002 U	0.003 U	0.001 U	0.001 U	0.002 U	0.022	0.002 U	NA	0.001 U	0.28 U	0.001 U	0.012 U	0.11 U	0.005	0.001 U	0.002 U	0.002 U	0.12	**0.036**	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.004 U	0.002 U	0.001 U	0.001 U
SLR-1	SLR1-1	8/22/2011	1 - 1.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-1	SLR1-6	8/22/2011	6 - 6.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-1	SLR1-10	8/22/2011	10 - 10.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-2	SLR2-1	8/19/2011	1 - 1.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-2	SLR2-6	8/22/2011	6 - 6.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-2	SLR2-10	8/19/2011	10 - 10.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-3	SLR3-1	8/19/2011	1 - 1.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	NA	0.3 U	30 U	0.3 U	30 U	8.7 U	3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.9 U	0.3 U	0.3 U	30 U	0.3 U	0.3 U	0.3 U
SLR-3	SLR3-6	8/22/2011	6 - 6.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-3	SLR3-10	8/19/2011	10 - 10.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-4	SLR4-1	8/19/2011	1 - 1.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-4	SLR4-5	8/19/2011	5 - 5.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-4	SLR4-10	8/19/2011	10 - 10.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-5	SLR5-3	8/22/2011	3 - 3.5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	150 U	1.5 U	150 U	44 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.5 U	1.5 U	1.5 U	150 U	1.5 U	1.5 U	1.5 U
SLR-5	SLR5-6	8/22/2011	6 - 6.5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	150 U	1.5 U	150 U	44 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.5 U	1.5 U	1.5 U	150 U	1.5 U	1.5 U	1.5 U
SLR-5	SLR5-10	8/22/2011	10 - 10.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U

Table 6
Soil Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,2,4-Trichlorobenzene (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	2-Chloronaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	2-Nitroaniline (mg/kg)	3,3-Dichlorobenzidine (mg/kg)	4-Bromophenyl phenyl ether (mg/kg)	4-Chloroaniline (mg/kg)	4-Chlorophenyl-Phenylether (mg/kg)	4-Nitroaniline (mg/kg)	Benzoic acid (mg/kg)	Benzyl alcohol (mg/kg)	Bis(2-chloroethoxy) methane (mg/kg)	Bis(2-Chloroethyl)Ether (mg/kg)	Bis(2-chloroisopropyl) ether (mg/kg)	Carbazole (mg/kg)	Dibenzofuran (mg/kg)	Hexachlorobenzene (mg/kg)	Hexachlorobutadiene (mg/kg)	Hexachlorocyclo-pentadiene (mg/kg)	Hexachloroethane (mg/kg)	Isophorone (mg/kg)	m-Nitroaniline (mg/kg)	Nitrobenzene (mg/kg)	N-Nitrosodi-n-propylamine (mg/kg)	N-Nitrosodiphenylamine (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**800**	**72,000**	**0.28**	**0.0024**	**160**	**80**	**NV**	**0.043**	**800**	**2.2**	**NV**	**320**	**NV**	**NV**	**NV**	**320,000**	**8,000**	**NV**	**0.91**	**NV**	**50**	**80**	**0.63**	**13**	**480**	**71**	**1,110**	**NV**	**160**	**14**	**200**
Preliminary Soil Screening Levels[b] (mg/kg)				**0.0034**	**0.004**	**0.28**	**0.0024**	**NV**	**NV**	**NV**	**0.043**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.68**	**0.055**	**NV**	**NV**	**NV**	**50**	**0.015**	**0.001**	**0.002**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.012**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.0034**	**0.004**	**0.0027**	**0.0024**	**0.0016**	**0.0018**	**0.0014**	**0.001**	**0.0026**	**0.007**	**0.0016**	**0.18**	**0.0016**	**0.018**	**0.055**	**0.005**	**0.0014**	**0.0016**	**0.0016**	**0.002**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.001**	**0.017**	**0.003**	**0.003**	**0.001**
SLR-6	SLR6-1	8/19/2011	1 - 1.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-6	SLR6-5	8/19/2011	5 - 5.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-6	SLR6-10	8/19/2011	10 - 10.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-7	SLR7-1	8/22/2011	1 - 1.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-7	SLR7-5	8/22/2011	5 - 5.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
SLR-7	SLR7-10	8/22/2011	10 - 10.5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	NA	0.03 U	3 U	0.03 U	3 U	0.87 U	0.3 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.09 U	0.03 U	0.03 U	3 U	0.03 U	0.03 U	0.03 U
Trench 1-1	TRENCH1-1-8'	7/19/2012	8	0.001 U	0.005 U	0.002 U	0.003 U	0.001 U	0.001 U	0.002 U	0.034	0.002 U	NA	0.001 U	0.28 U	0.001 U	0.012 U	0.11 U	0.0039	0.001 U	0.002 U	0.002 U	0.32	**0.064**	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.004 U	0.002 U	0.001 U	0.001 U
Trench 1-2	TRENCH1-2-9'	7/19/2012	9	0.001 U	0.005 U	0.002 U	0.003 U	0.001 U	0.001 U	0.002 U	0.024	0.002 U	NA	0.001 U	0.28 U	0.001 U	0.012 U	0.11 U	0.005	0.001 U	0.002 U	0.002 U	0.12	**0.043**	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.004 U	0.002 U	0.001 U	0.001 U
Trench 2-1	TRENCH2-1-8'	7/24/2012	8	0.001 U	0.005 U	0.002 U	0.003 U	0.001 U	0.001 U	0.002 U	**0.05**	0.002 U	NA	0.001 U	0.28 U	0.001 U	0.012 U	0.11 U	0.005	0.001 U	0.002 U	0.002 U	0.003 U	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.004 U	0.002 U	0.001 U	0.001 U
Trench 4-1	TRENCH4-1-3.0'	7/26/2012	3	0.001 U	0.005 U	0.002 U	0.003 U	0.001 U	0.001 U	0.002 U	0.001 U	0.002 U	NA	0.001 U	0.28 U	0.001 U	0.012 U	0.11 U	0.002 U	0.001 U	0.002 U	0.002 U	0.003 U	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.004 U	0.002 U	0.001 U	0.001 U

Notes:
Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels
Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels
Non-detected values highlighted in blue exceed the preliminary soil cleanup levels
mg/kg = milligrams per kilogram.
NA = Not analyzed
NR = Not recorded
U = The laboratory report noted that the analyte was not detected at or above the reported result
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range
J = The laboratory report noted that the analyte was positively identified AND the reported result is an estimate
K = The laboratory noted that the result was reported with unknown bias
M = The laboratory report noted that the reported value is an estimate, but with low spectral match parameters
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is highe

Table 7
Soil Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	1,1-Dichloroethane (mg/kg)	1,1-Dichloroethene (mg/kg)	1,1-Dichloropropene (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,2-Dibromo-3-chloropropane (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,2-Dichloroethane (mg/kg)	1,2-Dichloropropane (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,3-Dichloropropane (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,2-Dichloropropane (mg/kg)	2-Chlorotoluene (mg/kg)	2-Hexanone (mg/kg)	4-Chlorotoluene (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				38	160,000	5	18	16,000	0.026	NV	NV	0.033	0.036	800	NV	7,200	11	0.092	800	0.28	NV	0.032	NV	1,600	NV	400
Preliminary Soil Screening Levels[b] (mg/kg)				NV	2	0.036	0.014	0.017	0.026	NV	NV	NV	0.036	800	NV	0.016	0.016	0.092	0.079	0.28	NV	0.032	NV	160	NV	400
2013 Laboratory Practical Quantitation Limits (mg/kg)				0.028	0.021	0.036	0.014	0.017	0.026	0.024	0.019	0.022	0.036	0.016	0.08	0.016	0.016	0.034	0.011	0.02	0.02	0.032	0.026	0.016	0.096	0.019
CMW-1	CMW-1-5	6/12/2008	5	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-2	CMW-2A-4	6/12/2008	4	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-3	CMW-3-5	6/12/2008	5	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-3	CMW-3-10	6/12/2008	10	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-4	CMW-4-5	6/13/2008	5	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-5	CMW-5-5	6/13/2008	5	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-6	CMW-6-5	6/13/2008	5	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-7	CMW-7-5	6/13/2008	5	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CMW-7	CMW-7-7	6/13/2008	7	NA	0.05 U	NA	0.05 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB1	DB1-5.0	4/17/1990	5	NA	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.001 U	NA	NA	NA	NA	NA	NA	0.002 U	NA
DB1	DB1-6.5	4/17/1990	6.5	NA	0.001 U	0.0021 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	0.0021 U	0.001 U	NA	NA	NA	NA	NA	NA	0.0021 U	NA
DB1	DB1-9.5	4/17/1990	9.5	NA	0.0011 U	0.0023 U	0.0011 U	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	NA	0.0023 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0023 U	NA
DMW2	DB2-3.5	4/17/1990	3.5	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-4.5	4/17/1990	4.5	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-7	4/17/1990	7	NA	1.1 U	NA	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-9.5	4/17/1990	9.5	NA	1.3 U	NA	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	NA	NA	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-12	4/17/1990	12	NA	1.3 U	NA	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW2	DB2-18	4/17/1990	18	NA	1.2 U	NA	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-2	4/18/1990	2	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-3.5	4/18/1990	3.5	NA	1.1 U	NA	1.1 U	1.1 U	1.1 U	NA	NA	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-6	4/18/1990	6	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-7.5	4/18/1990	7.5	NA	1.2 U	NA	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-9	4/18/1990	9	NA	1.3 U	NA	1.3 U	1.3 U	1.3 U	NA	NA	NA	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-13.5	4/18/1990	13.5	NA	1.2 U	NA	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW3	DB3-17	4/18/1990	17	NA	1.2 U	NA	1.2 U	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA	NA	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB4	DB4-6.0	4/19/1990	6	NA	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0012 U	NA	NA	NA	NA	NA	NA	0.0048 U	NA
DB4	DB4-8.5	4/19/1990	8.5	NA	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0012 U	NA	NA	NA	NA	NA	NA	0.0049 U	NA
DB4	DB4-11.0	4/19/1990	11	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0052 U	NA
DB5	DB5-2.0	4/18/1990	2	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0023 U	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0045 U	NA
DB5	DB5-8.0	4/18/1990	8	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0044 U	NA
DB5	DB5-11.0	4/18/1990	11	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0025 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.005 U	NA
DMW6	DB6-2	4/19/1990	2	NA	0.011 U	NA	0.011 U	0.011 U	0.022 U	NA	NA	NA	NA	NA	NA	NA	0.011 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-4.5	4/19/1990	4.5	NA	0.56 U	NA	0.56 U	0.56 U	1.1 U	NA	NA	NA	NA	NA	NA	NA	0.56 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-7	4/19/1990	7	NA	0.11 U	NA	0.11 U	0.11 U	0.22 U	NA	NA	NA	NA	NA	NA	NA	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-10	4/19/1990	10	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0026 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-13	4/19/1990	13	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0027 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-16	4/19/1990	16	NA	0.0085 U	NA	0.0085 U	0.0085 U	0.017 U	NA	NA	NA	NA	NA	NA	NA	0.0085 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DB6-18.5	4/19/1990	18.5	NA	0.0076 U	NA	0.0076 U	0.0076 U	0.015 U	NA	NA	NA	NA	NA	NA	NA	0.0076 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DB7	DB7-6.0	4/18/1990	6	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0011 J	NA
DB7	DB7-8.5	4/18/1990	8.5	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0045 U	NA
DB7	DB7-11.5	4/18/1990	11.5	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0023 U	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0046 U	NA
DB8	DB8-8.0	4/19/1990	8	NA	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0025 U	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0012 U	NA	NA	NA	NA	NA	NA	0.0049 U	NA
DB8	DB8-11.0	4/19/1990	11	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0025 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.005 U	NA
DB9	DB9-5.0	4/19/1990	5	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0044 U	NA
DB9	DB9-8.0	4/19/1990	8	NA	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0012 U	NA	NA	NA	NA	NA	NA	0.0048 U	NA
DB9	DB9-11.0	4/19/1990	11	NA	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0028 U	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA	0.0056 U	NA
DB10	DB10-5.0	4/20/1990	5	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0053 U	NA
DB10	DB10-8.0	4/20/1990	8	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0027 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0053 U	NA
DB10	DB10-11.0	4/20/1990	11	NA	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0028 U	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA	0.0056 U	NA
DB11	DB11-6.5	4/18/1990	6.5	NA	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.001 U	NA	NA	NA	NA	NA	NA	0.002 U	NA
DB11	DB11-8.0	4/18/1990	8	NA	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U	NA	NA	NA	NA	NA	NA	NA	0.065 U	0.065 U	NA	NA	NA	NA	NA	NA	0.32 U	NA
DB11	DB11-9.5	4/18/1990	9.5	NA	0.013 U	0.025 U	0.013 U	0.013 U	0.013 U	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.013 U	NA	NA	NA	NA	NA	NA	0.025 U	NA
DB11	DB11-9.5D(dupl.)	4/18/1990	9.5	NA	0.013 U	0.025 U	0.013 U	0.013 U	0.013 U	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.013 U	NA	NA	NA	NA	NA	NA	0.025 U	NA
DB12	DB12-5.0	4/26/1990	5	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	NA	NA	NA	NA	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0044 U	NA
DB12	DB12-11.5	4/26/1990	11.5	NA	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0028 U	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA	0.0056 U	NA
DB13	DB13-11.0	4/26/1990	11	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	NA	NA	NA	NA	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0052 U	NA
DB14	DB14-9.5	4/26/1990	9.5	NA	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0027 U	NA	NA	NA	NA	NA	NA	NA	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA	0.0054 U	NA

Sample ID	Acetone (mg/kg)	Acrylonitrile (mg/kg)	Benzene (mg/kg)	1,2,3-Trimethylbenzene (mg/kg)	Bromobenzene (mg/kg)	Bromoform (mg/kg)	Bromomethane (mg/kg)	Carbon Disulfide (mg/kg)	Carbon tetrachloride (mg/kg)	CFC-11 (mg/kg)	CFC-113 (mg/kg)	CFC-12 (mg/kg)	Chlorobenzene (mg/kg)	Chlorodibromo - methane (mg/kg)	Chloroethane (mg/kg)	Chloroform (mg/kg)	Chloromethane (mg/kg)	cis-1,2-Dichloroethene (mg/kg)	cis-1,3-Dichloropropene (mg/kg)	Cumene (mg/kg)	Dibromomethane (mg/kg)	Dichlorobromo - methane (mg/kg)	Ethylbenzene (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	72,000	1.9	18	NV	NV	130	110	8,000	14	NV	2,400,000	16,000	1,600	12	0.024	800	0.049	11	NV	8,000	NV	16	8,000
Preliminary Soil Screening Levels[b] (mg/kg)	2.08	NV	0.014	NV	NV	0.92	NV	NV	0.03	NV	NV	NV	0.014	NV	0.024	0.017	0.049	2.6	NV	NV	NV	0.089	0.013
2013 Laboratory Practical Quantitation Limits (mg/kg)	0.2	NV	0.014	NV	0.012	0.034	0.034	NV	0.03	0.02	NV	0.02	0.014	0.026	0.024	0.017	0.026	0.022	0.022	0.019	0.022	0.024	0.013
CMW-1-5	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-2A-4	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-3-5	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-3-10	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-4-5	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-5-5	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-6-5	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-7-5	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
CMW-7-7	0.5 U	NA	0.03 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	0.05 U	NA	0.5 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	0.05 U
DB1-5.0	0.0042	NA	0.001 U	NA	NA	0.003 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	0.001 U	0.001 U	0.003 U	0.001 U	0.002 U	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U
DB1-6.5	0.017 U	NA	0.001 U	NA	NA	0.0031 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	NA	0.001 U	0.001 U	0.0031 U	0.001 U	0.0021 U	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U
DB1-9.5	0.0034 U	NA	0.0011 U	NA	NA	0.0034 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U	NA	0.0011 U	0.0011 U	0.0034 U	0.0011 U	0.0023 U	0.0011 U	0.0011 U	NA	NA	0.0011 U	0.0011 U
DB2-3.5	3.6	NA	1 U	NA	NA	NA	NA	NA	1.9 U	NA	NA	NA	1 U	NA	2.9 U	1 U	1.9 U	NA	NA	NA	NA	NA	1 U
DB2-4.5	22	NA	1 U	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	1 U	NA	3.1 U	1 U	2.1 U	NA	NA	NA	NA	NA	1 U
DB2-7	86	NA	1.1 U	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	1.1 U	NA	3.2 U	1.1 U	2.1 U	NA	NA	NA	NA	NA	1.1 J
DB2-9.5	41	NA	1.3 U	NA	NA	NA	NA	NA	2.6 U	NA	NA	NA	1.3 U	NA	3.9 U	1.3 U	2.6 U	NA	NA	NA	NA	NA	7.8
DB2-12	16	NA	1.3 U	NA	NA	NA	NA	NA	2.5 U	NA	NA	NA	1.3 U	NA	3.8 U	1.3 U	2.5 U	NA	NA	NA	NA	NA	1.3 U
DB2-18	14	NA	1.2 U	NA	NA	NA	NA	NA	2.3 U	NA	NA	NA	1.2 U	NA	3.5 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	1.2 U
DB3-2	3.1 U	NA	1 U	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	1 U	NA	3.1 U	1 U	2.1 U	NA	NA	NA	NA	NA	1 U
DB3-3.5	27	NA	1.1 U	NA	NA	NA	NA	NA	2.1 U	NA	NA	NA	1.1 U	NA	3.2 U	1.1 U	2.1 U	NA	NA	NA	NA	NA	1.1 U
DB3-6	3 U	NA	1 U	NA	NA	NA	NA	NA	2 U	NA	NA	NA	1 U	NA	3 U	1 U	2 U	NA	NA	NA	NA	NA	1 U
DB3-7.5	24	NA	1.2 U	NA	NA	NA	NA	NA	2.3 U	NA	NA	NA	1.2 U	NA	3.5 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	1.2 U
DB3-9	73	NA	1.3 U	NA	NA	NA	NA	NA	2.5 U	NA	NA	NA	1.3 U	NA	3.8 U	1.3 U	2.5 U	NA	NA	NA	NA	NA	1.3 U
DB3-13.5	21	NA	1.2 U	NA	NA	NA	NA	NA	2.3 U	NA	NA	NA	1.2 U	NA	3.5 U	1.2 U	2.3 U	NA	NA	NA	NA	NA	3.4
DB3-17	23	NA	1.2 U	NA	NA	NA	NA	NA	2.4 U	NA	NA	NA	1.2 U	NA	3.5 U	1.2 U	2.4 U	NA	NA	NA	NA	NA	1.2 U
DB4-6.0	0.0061 U	NA	0.0007 J	NA	NA	0.0012 U	0.0036 U	0.0024 U	0.0012 U	0.0012 U	0.0061 U	NA	0.0012 U	0.0012 U	0.0036 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	NA	NA	0.0012 U	0.0012 U
DB4-8.5	0.0063	NA	0.0012 U	NA	NA	0.0012 U	0.0037 U	0.0024 U	0.0012 U	0.0012 U	0.0061 U	NA	0.0012 U	0.0012 U	0.0037 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U	NA	NA	0.0012 U	0.0012 U
DB4-11.0	0.007	NA	0.0013 U	NA	NA	0.0013 U	0.0039 U	0.0026 U	0.0013 U	0.0013 U	0.0065 U	NA	0.0013 U	0.0013 U	0.0039 U	0.0013 U	0.0065 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
DB5-2.0	0.052	NA	0.0011 U	NA	NA	0.0011 U	0.0034 U	0.001 E	0.0011 U	0.0011 U	0.0056 U	NA	0.0011 U	0.0011 U	0.0034 U	0.0011 U	0.0056 U	0.0023 U	0.0011 U	NA	NA	0.0011 U	0.0004 EST
DB5-8.0	0.049	NA	0.0011 U	NA	NA	0.0011 U	0.0033 U	0.0022 U	0.0011 U	0.0011 U	0.0055 U	NA	0.0011 U	0.0011 U	0.0033 U	0.0011 U	0.0055 U	0.0022 U	0.0011 U	NA	NA	0.0011 U	0.0011 U
DB5-11.0	0.012	NA	0.0013 U	NA	NA	0.0013 U	0.0038 U	0.0025 U	0.0013 U	0.0013 U	0.0063 U	NA	0.0013 U	0.0013 U	0.0038 U	0.0013 U	0.0063 U	0.0025 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
DB6-2	0.054 U	NA	0.011 U	NA	NA	NA	NA	NA	0.011 U	NA	NA	NA	0.011 U	NA	0.033 U	0.011 U	0.054 U	NA	NA	NA	NA	NA	0.011 U
DB6-4.5	4	NA	0.56 U	NA	NA	NA	NA	NA	0.56 U	NA	NA	NA	0.56 U	NA	1.7 U	0.56 U	2.8 U	NA	NA	NA	NA	NA	1.3
DB6-7	0.56 U	NA	0.11 U	NA	NA	NA	NA	NA	0.11 U	NA	NA	NA	0.097 M	NA	0.33 U	0.11 U	0.56 U	NA	NA	NA	NA	NA	0.74
DB6-10	0.011	NA	0.0013 U	NA	NA	NA	NA	NA	0.0013 U	NA	NA	NA	0.0013 U	NA	0.0039 U	0.0013 U	0.0064 U	NA	NA	NA	NA	NA	0.0013 U
DB6-13	0.013	NA	0.0005 M	NA	NA	NA	NA	NA	0.0013 U	NA	NA	NA	0.0013 U	NA	0.004 U	0.0013 U	0.0066 U	NA	NA	NA	NA	NA	0.0031
DB6-16	0.014 J	NA	0.0085 U	NA	NA	NA	NA	NA	0.0085 U	NA	NA	NA	0.0085 U	NA	0.025 U	0.0085 U	0.042 U	NA	NA	NA	NA	NA	0.0085 U
DB6-18.5	0.021 J	NA	0.0076 U	NA	NA	NA	NA	NA	0.0076 U	NA	NA	NA	0.0076 U	NA	0.023 U	0.0076 U	0.038 U	NA	NA	NA	NA	NA	0.0076 U
DB7-6.0	0.009	NA	0.0011 U	NA	NA	0.0011 U	0.0033 U	0.0022 U	0.0011 U	0.0011 U	0.0055 U	NA	0.0011 U	0.0011 U	0.0033 U	0.0011 U	0.0055 U	0.0022 U	0.0011 U	NA	NA	0.0011 U	0.0011 U
DB7-8.5	0.029	NA	0.0003 ES	NA	NA	0.0011 U	0.0034 U	0.0022 U	0.0011 U	0.0011 U	0.0056 U	NA	0.0011 U	0.0011 U	0.0034 U	0.0011 U	0.0056 U	0.0022 U	0.0011 U	NA	NA	0.0011 U	0.0019
DB7-11.5	0.023	NA	0.0011 J	NA	NA	0.0011 U	0.0034 U	0.0033	0.0011 U	0.0011 U	0.0057 U	NA	0.0033 ES	0.0011 U	0.0034 U	0.0011 U	0.0057 U	0.0023 U	0.0011 U	NA	NA	0.0011 U	0.0084
DB8-8.0	0.07	NA	0.0012 U	NA	NA	0.0012 U	0.0037 U	0.0025 U	0.0012 U	0.0012 U	0.0062 U	NA	0.0012 U	0.0012 U	0.0037 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	NA	NA	0.0012 U	0.0012 U
DB8-11.0	0.027	NA	0.0013 U	NA	NA	0.0013 U	0.0038 U	0.0025 U	0.0013 U	0.0013 U	0.0063 U	NA	0.0013 U	0.0013 U	0.0038 U	0.0013 U	0.0063 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
DB9-5.0	0.051	NA	0.0004 J	NA	NA	0.0011 U	0.0033 U	0.0022 J	0.0011 U	0.0011 U	0.0055 U	NA	0.0011 U	0.0011 U	0.0033 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	NA	NA	0.0011 U	0.0011 U
DB9-8.0	0.083	NA	0.0012 U	NA	NA	0.0012 U	0.0036 U	0.0007 J	0.0012 U	0.0012 U	0.006 U	NA	0.0012 U	0.0012 U	0.0036 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	NA	NA	0.0012 U	0.0012 U
DB9-11.0	0.029	NA	0.0014 U	NA	NA	0.0014 U	0.0042 U	0.0028 U	0.0014 U	0.0014 U	0.0069 U	NA	0.0014 U	0.0014 U	0.0042 U	0.0014 U	0.0069 U	0.0014 U	0.0014 U	NA	NA	0.0014 U	0.0014 U
DB10-5.0	0.075	NA	0.0016	NA	NA	0.0013 U	0.0039 U	0.0016 J	0.0013 U	0.0013 U	0.0066 U	NA	0.0013 U	0.0013 U	0.0039 U	0.0013 U	0.0066 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
DB10-8.0	0.03	NA	0.0013 U	NA	NA	0.0013 U	0.004 U	0.0027 U	0.0013 U	0.0013 U	0.0066 U	NA	0.0013 U	0.0013 U	0.004 U	0.0013 U	0.0066 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
DB10-11.0	0.022	NA	0.0014 U	NA	NA	0.0014 U	0.0042 U	0.0028 U	0.0014 U	0.0014 U	0.007 U	NA	0.0014 U	0.0014 U	0.0042 U	0.0014 U	0.007 U	0.0014 U	0.0014 U	NA	NA	0.0014 U	0.0014 U
DB11-6.5	0.005	NA	0.001 U	NA	NA	0.003 U	0.002 U	0.002 J	0.002 U	0.002 U	0.002 U	NA	0.001 U	0.001 U	0.003 U	0.001 U	0.002 U	0.001 U	0.001 U	NA	NA	0.001 U	0.001 U
DB11-8.0	0.32 B	NA	0.065 U	NA	NA	0.065 U	0.065 U	0.065 J	0.065 U	0.065 U	0.065 U	NA	0.065 U	0.065 U	0.13 U	0.065 U	0.065 U	0.065 U	0.065 U	NA	NA	0.065 U	0.48
DB11-9.5	0.14 B	NA	0.013 U	NA	NA	0.038 U	0.025 U	0.025 J	0.025 U	0.025 U	0.025 U	NA	0.013 U	0.013 U	0.038 U	0.013 U	0.025 U	0.013 U	0.013 U	NA	NA	0.013 U	0.08
DB11-9.5D(dupl.)	0.14 B	NA	0.013 U	NA	NA	0.038 U	0.025 U	0.025 J	0.025 U	0.025 U	0.025 U	NA	0.013 U	0.013 U	0.038 U	0.013 U	0.025 U	0.013 U	0.013 U	NA	NA	0.013 U	0.08
DB12-5.0	0.038	NA	0.0011 U	NA	NA	0.0011 U	0.0033 U	0.0016 J	0.0011 U	0.0011 U	0.0055 U	NA	0.0011	0.0011 U	0.0033 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	NA	NA	0.0011 U	0.0009 EST
DB12-11.5	0.035	NA	0.0021 ES	NA	NA	0.0014 U	0.0042 U	0.0028 U	0.0014 U	0.0014 U	0.0069 U	NA	0.0087	0.0014 U	0.0042 U	0.0014 U	0.0069 U	0.0014 U	0.0014 U	NA	NA	0.0014 U	0.0008 EST
DB13-11.0	0.01	NA	0.0013 U	NA	NA	0.0013 U	0.0039 U	0.0026 U	0.0013 U	0.0013 U	0.0065 U	NA	0.0013 U	0.0013 U	0.0039 U	0.0013 U	0.0065 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
DB14-9.5	0.029	NA	0.0014 U	NA	NA	0.0014 U	0.0041 U	0.0027 U	0.0014 U	0.0014 U	0.0068 U	NA	0.0014 U	0.0014 U	0.0041 U	0.0014 U	0.0068 U	0.0014 U	0.0014 U	NA	NA	0.0014 U	0.0014 U

Sample ID	Ethylene dibromide (mg/kg)	Hexachloro - butadiene (mg/kg)	Isopropyl ether (mg/kg)	Methyl ethyl ketone (mg/kg)	Methyl isobutyl ketone (mg/kg)	Methyl t-butyl ether (mg/kg)	Methylene chloride (mg/kg)	Naphthalene (mg/kg)	n-Butylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	p-Isopropyltoluene (mg/kg)	sec-Butylbenzene (mg/kg)	Styrene (mg/kg)	tert-Butylbenzene (mg/kg)	Tetrachloroethene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	trans-1,2-Dichloroethene (mg/kg)	trans-1,3-Dichloropropene (mg/kg)	Trichloroethene (mg/kg)	Vinyl Acetate (mg/kg)	Vinyl chloride (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	NV	13	NV	48,000	6,400	0.1	130	1,600	NV	8,000	NV	NV	16,000	NV	480	6,400	16,000	NV	NV	12	80,000	240
Preliminary Soil Screening Levels[b] (mg/kg)	NV	0.04	NV	1.38	0.18	NV	0.054	0.00047	NV	NV	NV	NV	1.29	NV	0.026	0.78	0.2	NV	NV	0.033	NV	0.016
2013 Laboratory Practical Quantitation Limits (mg/kg)	0.023	0.04	NV	0.14	0.14	0.013	0.054	0.00022	NV	0.017	0.012	0.015	0.021	0.021	0.026	0.017	0.064	0.023	0.015	0.033	NV	0.016
CMW-1-5	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-2A-4	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-3-5	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-3-10	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-4-5	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-5-5	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-6-5	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-7-5	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
CMW-7-7	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	0.05 U	NA	0.025 U	0.05 U	0.15 U	NA	NA	0.03 U	NA	0.05 U
DB1-5.0	NA	NA	NA	0.0075 U	0.002 U	NA	0.0016 B	NA	NA	NA	NA	NA	0.001 U	NA	0.001 U	0.001 U	0.002 U	0.001 U	0.002 U	0.001 U	0.002 U	0.003 U
DB1-6.5	NA	NA	NA	0.0077 U	0.0021 U	NA	0.0019 B	NA	NA	NA	NA	NA	0.001 U	NA	0.001 U	0.0006 J	0.0021 U	0.001 U	0.0021 U	0.001 U	0.0021 U	0.0031 U
DB1-9.5	NA	NA	NA	0.0086 U	0.0023 U	NA	0.0021 B	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0011 U	0.0023 U	0.0011 U	0.0023 U	0.0011 U	0.0023 U	0.0034 U
DB2-3.5	NA	NA	NA	NA	NA	NA	2.5 B	NA	NA	NA	NA	NA	1 U	NA	1 U	0.6 J	1.9 U	NA	NA	1 U	NA	2.9 U
DB2-4.5	NA	NA	NA	NA	NA	NA	2.9 B	NA	NA	NA	NA	NA	1 U	NA	1 U	1 U	2.1 U	NA	NA	1 U	NA	3.1 U
DB2-7	NA	NA	NA	NA	NA	NA	5 B	NA	NA	NA	NA	NA	0.6 M	NA	1.1 U	1.5	8.4	NA	NA	1.1 U	NA	3.2 U
DB2-9.5	NA	NA	NA	NA	NA	NA	5.9 B	NA	NA	NA	NA	NA	1.3 M	NA	1.3 U	1.7	16	NA	NA	1.3 U	NA	3.9 U
DB2-12	NA	NA	NA	NA	NA	NA	3.6 B	NA	NA	NA	NA	NA	1.3 U	NA	1.3 U	1.3 U	0.7 M	NA	NA	1.3 U	NA	3.8 U
DB2-18	NA	NA	NA	NA	NA	NA	5.9 B	NA	NA	NA	NA	NA	1.2 U	NA	1.2 U	1.2 U	2.3 U	NA	NA	1.2 U	NA	3.5 U
DB3-2	NA	NA	NA	NA	NA	NA	1.8 B	NA	NA	NA	NA	NA	1 U	NA	1 U	1 U	2.1 U	NA	NA	1 U	NA	3.1 U
DB3-3.5	NA	NA	NA	NA	NA	NA	1.9 B	NA	NA	NA	NA	NA	1.1 U	NA	1.1 U	1.1 U	2.1 U	NA	NA	1.1 U	NA	3.2 U
DB3-6	NA	NA	NA	NA	NA	NA	1.6 B	NA	NA	NA	NA	NA	1 U	NA	1 U	1 U	2 U	NA	NA	1 U	NA	3 U
DB3-7.5	NA	NA	NA	NA	NA	NA	5.9 B	NA	NA	NA	NA	NA	1.2 U	NA	1.2 U	1.2 U	2.3 U	NA	NA	1.2 U	NA	3.5 U
DB3-9	NA	NA	NA	NA	NA	NA	4.8 B	NA	NA	NA	NA	NA	1.3 U	NA	1.3 U	1.3 U	2.5 U	NA	NA	1.3 U	NA	3.8 U
DB3-13.5	NA	NA	NA	NA	NA	NA	5.4 B	NA	NA	NA	NA	NA	1.2 U	NA	1.2 U	0.7 M	4.8	NA	NA	1.2 U	NA	3.5 U
DB3-17	NA	NA	NA	NA	NA	NA	5.6 B	NA	NA	NA	NA	NA	1.2 U	NA	1.2 U	1.2 U	2.4 U	NA	NA	1.2 U	NA	3.6 U
DB4-6.0	NA	NA	NA	0.0091 U	0.0024 U	NA	0.0034 B	NA	NA	NA	NA	NA	0.0012 U	NA	0.0043	0.0007 J	0.0007 J	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0036 U
DB4-8.5	NA	NA	NA	0.0091 U	0.0024 U	NA	0.0036 B	NA	NA	NA	NA	NA	0.0012 U	NA	0.0007 J	0.0004 EST	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0037 U
DB4-11.0	NA	NA	NA	0.0098 J	0.0026 U	NA	0.0048 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0033	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0039 U
DB5-2.0	NA	NA	NA	0.0075 J	0.0023 U	NA	0.0018 J	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0004 EST	0.0026 EST	0.0023 U	0.0011 U	0.0011 U	0.0011 U	0.0034 U
DB5-8.0	NA	NA	NA	0.0083 U	0.0022 U	NA	0.0021 J	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0008 EST	0.0009 J	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0033 U
DB5-11.0	NA	NA	NA	0.0094 U	0.0025 U	NA	0.0028 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0007 J	0.0007 J	0.0025 U	0.0013 U	0.0013 U	0.0013 U	0.0038 U
DB6-2	NA	NA	NA	NA	NA	NA	0.053 B	NA	NA	NA	NA	NA	0.011 U	NA	0.011 U	0.011 U	0.011 U	NA	NA	0.011 U	NA	0.033 U
DB6-4.5	NA	NA	NA	NA	NA	NA	2 B	NA	NA	NA	NA	NA	0.66	NA	0.56 U	0.51 J	3.2	NA	NA	0.56 U	NA	1.7 U
DB6-7	NA	NA	NA	NA	NA	NA	0.53 B	NA	NA	NA	NA	NA	0.3	NA	0.11 U	0.23	1.9	NA	NA	0.11 U	NA	0.33 U
DB6-10	NA	NA	NA	NA	NA	NA	0.006 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	NA	0.0039 U
DB6-13	NA	NA	NA	NA	NA	NA	0.0058 B	NA	NA	NA	NA	NA	0.0014	NA	0.0053 U	0.0018	0.0081	NA	NA	0.0013 U	NA	0.004 U
DB6-16	NA	NA	NA	NA	NA	NA	0.036 B	NA	NA	NA	NA	NA	0.0085 U	NA	0.0085 U	0.0085 U	0.0085 U	NA	NA	0.0085 U	NA	0.0031 J
DB6-18.5	NA	NA	NA	NA	NA	NA	0.035 B	NA	NA	NA	NA	NA	0.0076 U	NA	0.0076 U	0.0076 U	0.0076 U	NA	NA	0.0076 U	NA	0.023 U
DB7-6.0	NA	NA	NA	0.0082 U	0.0008 EST	NA	0.002 J	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0011 U	0.0011 EST	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0033 U
DB7-8.5	NA	NA	NA	0.0029 J	0.0022 J	NA	0.0017 J	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011	0.0005 EST	0.01	0.0022 U	0.0011 U	0.0011 EST	0.0011 U	0.0034 U
DB7-11.5	NA	NA	NA	0.0085 U	0.0021 J	NA	0.0021 J	NA	NA	NA	NA	NA	0.0011 U	NA	0.0013	0.0019 EST	0.043	0.0023 U	0.0011 U	0.0005 EST	0.0011 U	0.0034 U
DB8-8.0	NA	NA	NA	0.013	0.0025 U	NA	0.0025 J	NA	NA	NA	NA	NA	0.0012 U	NA	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0037 U
DB8-11.0	NA	NA	NA	0.0044 J	0.0025 U	NA	0.0038 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0004 EST	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0038 U
DB9-5.0	NA	NA	NA	0.0064 J	0.0022 U	NA	0.0031 B	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0008 J	0.0007 J	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0033 U
DB9-8.0	NA	NA	NA	0.016	0.0024 U	NA	0.0047 B	NA	NA	NA	NA	NA	0.0012 U	NA	0.0012 U	0.001 J	0.0009 J	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0036 U
DB9-11.0	NA	NA	NA	0.005 EST	0.0028 U	NA	0.0054 B	NA	NA	NA	NA	NA	0.0014 U	NA	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0042 U
DB10-5.0	NA	NA	NA	0.013	0.0026 U	NA	0.0079 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0013 J	0.0006 EST	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0039 U
DB10-8.0	NA	NA	NA	0.01 U	0.0027 U	NA	0.0053 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.001 J	0.001 J	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.004 U
DB10-11.0	NA	NA	NA	0.011 U	0.0028 U	NA	0.0038 B	NA	NA	NA	NA	NA	0.0014 U	NA	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0042 U
DB11-6.5	NA	NA	NA	0.0074 U	0.002 U	NA	0.0016 B	NA	NA	NA	NA	NA	0.001 U	NA	0.001 U	0.001 U	0.002 U	0.001 U	0.002 U	0.001 U	0.002 U	0.003 U
DB11-8.0	NA	NA	NA	0.32 U	0.49 U	NA	0.066 J	NA	NA	NA	NA	NA	0.18	NA	0.065 U	0.12	1.2	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
DB11-9.5	NA	NA	NA	0.094 U	0.025 U	NA	0.041 B	NA	NA	NA	NA	NA	0.028 EST	NA	0.013 U	0.016	0.23	0.013 U	0.025 U	0.013 U	0.025 U	0.038 U
DB11-9.5D(dupl.)	NA	NA	NA	0.094 U	0.025 U	NA	0.041 B	NA	NA	NA	NA	NA	0.028 EST	NA	0.013 U	0.016	0.23	0.013 U	0.025 U	0.013 U	0.025 U	0.038 U
DB12-5.0	NA	NA	NA	0.0029 EST	0.0022 U	NA	0.0037 B	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0009 EST	0.0029	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0033 U
DB12-11.5	NA	NA	NA	0.0047 EST	0.0028 U	NA	0.0034 B	NA	NA	NA	NA	NA	0.0014 U	NA	0.0014 U	0.0059	0.026	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0042 U
DB13-11.0	NA	NA	NA	0.0097 U	0.0026 U	NA	0.0024 J	NA	NA	NA	NA	NA	0.0013 U	NA	0.0042	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0039 U
DB14-9.5	NA	NA	NA	0.0045 EST	0.0027 U	NA	0.0022 J	NA	NA	NA	NA	NA	0.0014 U	NA	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0041 U

Table 7
Soil Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	1,1-Dichloroethane (mg/kg)	1,1-Dichloroethene (mg/kg)	1,1-Dichloropropene (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,2-Dibromo-3-chloropropane (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,2-Dichloroethane (mg/kg)	1,2-Dichloropropane (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,3-Dichloropropane (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,2-Dichloropropane (mg/kg)	2-Chlorotoluene (mg/kg)	2-Hexanone (mg/kg)	4-Chlorotoluene (mg/kg)	Acetone (mg/kg)	Acrylonitrile (mg/kg)	Benzene (mg/kg)	1,2,3-Trimethylbenzene (mg/kg)	Bromobenzene (mg/kg)	Bromoform (mg/kg)	Bromomethane (mg/kg)	Carbon Disulfide (mg/kg)	Carbon tetrachloride (mg/kg)	CFC-11 (mg/kg)	CFC-113 (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				38	160,000	5	18	16,000	0.026	NV	NV	0.033	0.036	800	NV	7,200	11	0.092	800	0.28	NV	0.032	NV	1,600	NV	400	72,000	1.9	18	NV	NV	130	110	8,000	14	NV	2,400,000
Preliminary Soil Screening Levels[b] (mg/kg)				NV	2	0.036	0.014	0.017	0.026	NV	NV	NV	0.036	800	NV	0.016	0.016	0.092	0.079	0.28	NV	0.032	NV	160	NV	400	2.08	NV	0.014	NV	NV	0.92	NV	NV	0.03	NV	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)				0.028	0.021	0.036	0.014	0.017	0.026	0.024	0.019	0.022	0.036	0.016	0.08	0.016	0.016	0.034	0.011	0.02	0.02	0.032	0.026	0.016	0.096	0.019	0.2	NV	0.014	NV	0.012	0.034	0.034	NV	0.03	0.02	NV
Diesel Tank Excavation	BV-1A-B	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Tank Excavation	ES-V-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Tank Excavation	SS-V-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA	NA	NA	NA	NA
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-5	EB-5-10.0	6/18/2013	9 - 11	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-16	EB-16-2.5'	6/19/2013	2 - 3	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-24	EB-24-1.0	6/17/2013	1 - 2	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.029	0.08 U	0.016 U	0.016 U	0.034 U	0.016	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-32	EB-32-12.5	6/14/2013	12 - 13	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.025	0.08 U	0.016 U	0.016 U	0.034 U	0.016	0.02 U	0.02 U	0.032 U	0.026 U	0.018	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.032	0.08 U	0.016 U	0.016 U	0.034 U	0.014	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-41	EB-91-10.0(dupl.)	6/14/2013	9 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-46	EB-46-2.5	6/14/2013	2 - 3	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-50	EB-50-7.5	6/14/2013	7 - 8	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.21	0.08 U	0.016 U	0.016 U	0.034 U	0.085	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	25	0.08 U	0.016 U	0.016 U	0.034 U	4.3	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EB-51	EB-51-10.0	6/13/2013	9 - 10	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.021	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.22	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA

Location	Sample ID	Sample Date	Sample Depth (Feet)	CFC-12 (mg/kg)	Chlorobenzene (mg/kg)	Chlorodibromo - methane (mg/kg)	Chloroethane (mg/kg)	Chloroform (mg/kg)	Chloromethane (mg/kg)	cis-1,2-Dichloroethene (mg/kg)	cis-1,3-Dichloropropene (mg/kg)	Cumene (mg/kg)	Dibromomethane (mg/kg)	Dichlorobromo - methane (mg/kg)	Ethylbenzene (mg/kg)	Ethylene dibromide (mg/kg)	Hexachloro - butadiene (mg/kg)	Isopropyl ether (mg/kg)	Methyl ethyl ketone (mg/kg)	Methyl isobutyl ketone (mg/kg)	Methyl t-butyl ether (mg/kg)	Methylene chloride (mg/kg)	Naphthalene (mg/kg)	n-Butylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	p-Isopropyltoluene (mg/kg)	sec-Butylbenzene (mg/kg)	Styrene (mg/kg)	tert-Butylbenzene (mg/kg)	Tetrachloroethene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	trans-1,2-Dichloroethene (mg/kg)	trans-1,3-Dichloropropene (mg/kg)	Trichloroethene (mg/kg)	Vinyl Acetate (mg/kg)	Vinyl chloride (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				16,000	1,600	12	0.024	800	0.049	11	NV	8,000	NV	16	8,000	NV	13	NV	48,000	6,400	0.1	130	1,600	NV	8,000	NV	NV	16,000	NV	480	6,400	16,000	NV	NV	12	80,000	240
Preliminary Soil Screening Levels[b] (mg/kg)				NV	0.014	NV	0.024	0.017	0.049	2.6	NV	NV	NV	0.089	0.013	NV	0.04	NV	1.38	0.18	NV	0.054	0.00047	NV	NV	NV	NV	1.29	NV	0.026	0.78	0.2	NV	NV	0.033	NV	0.016
2013 Laboratory Practical Quantitation Limits (mg/kg)				0.02	0.014	0.026	0.024	0.017	0.026	0.022	0.022	0.019	0.022	0.024	0.013	0.023	0.04	NV	0.14	0.14	0.013	0.054	0.00022	NV	0.017	0.012	0.015	0.021	0.021	0.026	0.017	0.064	0.023	0.015	0.033	NV	0.016
Diesel Tank Excavation	BV-1A-B	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	0.014 U	NA	NA	NA	NA	NA
Diesel Tank Excavation	ES-V-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	0.11	NA	NA	NA	NA	NA
Diesel Tank Excavation	SS-V-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	0.11	NA	NA	NA	NA	NA
EB-5	EB-5-1.0	6/18/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-5	EB-5-5.0	6/18/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-5	EB-5-10.0	6/18/2013	9 - 11	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.06	NA	0.017 U	0.012 U	0.043	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-5	EB-93-10.0(dupl.)	6/18/2013	9 - 11	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.043	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-14	EB-14-10.0	6/17/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-16	EB-16-2.5'	6/19/2013	2 - 3	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-16	EB-16-5.0'	6/19/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-16	EB-16-10.0'	6/19/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-17	EB-17-1.0	6/17/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-17	EB-17-5.75	6/17/2013	5.75 - 6.25	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.065 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-17	EB-17-10.0	6/17/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-24	EB-24-1.0	6/17/2013	1 - 2	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-24	EB-24-5.0	6/17/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-24	EB-24-10.0	6/17/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.067 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-32	EB-32-1.0	6/14/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-32	EB-32-5.0	6/14/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.099 lc	0.12	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-32	EB-32-10.0	6/14/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-32	EB-32-12.5	6/14/2013	12 - 13	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-38	EB-38-1.0	6/17/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-38	EB-38-5.0	6/17/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.014	0.03 U	0.04 U	NA	0.14 U	0.21	0.013 U	0.054 U	0.056	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.091	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-38	EB-38-10.0	6/17/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.07 lc	0.054	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-40	EB-40-1.0	6/10/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-40	EB-40-5.0	6/10/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-40	EB-40-10.0	6/10/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-41	EB-41-1.0	6/14/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-41	EB-41-5.0	6/14/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.096 lc	2.4	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-41	EB-41-10.0	6/14/2013	9 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.092 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-41	EB-91-10.0(dupl.)	6/14/2013	9 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-41	EB-41-15.0	6/14/2013	14.5 - 15.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-45	EB-45-1.0	6/10/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-46	EB-46-2.5	6/14/2013	2 - 3	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.029	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.11 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-46	EB-46-10.0	6/14/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-47	EB-47-1.0	6/10/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-47	EB-47-5.0	6/10/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-47	EB-47-10.0	6/10/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-50	EB-50-1.0	6/14/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-50	EB-50-5.0	6/14/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-50	EB-50-7.5	6/14/2013	7 - 8	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-51	EB-51-1.0	6/13/2013	0.5 - 1.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-51	EB-51-5.0	6/13/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.085	NA	0.017 U	0.034	0.017	0.022 U	0.022 U	0.026 U	0.017 U	0.106	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-51	EB-51-7.5	6/13/2013	7.5 - 8.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.77	0.022 U	0.024 U	0.71	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	2.8	NA	1.8	2	1.4	0.022 U	0.098	0.026 U	0.017 U	5.3	0.024 U	0.015 U	0.034 U	NA	0.016 U
EB-51	EB-51-10.0	6/13/2013	9 - 10	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-1S	EMW-1S-2.5	6/12/2013	2 - 3	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.23 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-1S	EMW-1S-5.0	6/12/2013	4.5 - 5.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.097 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-1S	EMW-1S-10.0	6/12/2013	9.5 - 10.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.098 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U

Table 7
Soil Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	1,1-Dichloroethane (mg/kg)	1,1-Dichloroethene (mg/kg)	1,1-Dichloropropene (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,2-Dibromo-3-chloropropane (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,2-Dichloroethane (mg/kg)	1,2-Dichloropropane (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				38	160,000	5	18	16,000	0.026	NV	NV	0.033	0.036	800	NV	7,200	11	0.092	800	0.28
Preliminary Soil Screening Levels[b] (mg/kg)				NV	2	0.036	0.014	0.017	0.026	NV	NV	NV	0.036	800	NV	0.016	0.016	0.092	0.079	0.28
2013 Laboratory Practical Quantitation Limits (mg/kg)				0.028	0.021	0.036	0.014	0.017	0.026	0.024	0.019	0.022	0.036	0.016	0.08	0.016	0.016	0.034	0.011	0.02
EMW-2S	EMW-2S-2.5	6/17/2013	2 - 3	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-2S	EMW-2S-5.0	6/17/2013	4 - 5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-2S	EMW-2S-10.0	6/17/2013	9.5 - 11	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-3S	EMW-3S-1.0	6/11/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-3S	EMW-3S-5.0	6/11/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-3S	EMW-3S-15.0	6/11/2013	14.5 - 15.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-3S	EMW-89S-5.0(dupl.)	6/11/2013	14.5 - 15.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-4D	EMW-4D-2.5'	6/17/2013	2 - 3	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-4D	EMW-4D-5.0'	6/17/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-4D	EMW-4D-7.5'	6/17/2013	7 - 8	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-5S	EMW-5S-7.5	6/13/2013	7 - 8	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-6S	EMW-6S-1.0	6/12/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-6S	EMW-6S-10.0	6/12/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-7S	EMW-7S-1.0	6/13/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-7S	EMW-7S-5.0	6/13/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-7S	EMW-7S-10.0	6/13/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-8S	EMW-8S-1.0	6/12/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-8S	EMW-8S-5.0	6/12/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-8S	EMW-8S-10.0	6/12/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-9S	EMW-9S-1.0	6/13/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-9S	EMW-9S-5.0	6/13/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.044	0.08 U	0.016 U	0.016 U	0.034 U	0.023	0.02 U
EMW-9S	EMW-9S-10.0	6/13/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-10D	EMW-10D-1.0'	6/19/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-10D	EMW-10D-5.0'	6/19/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.29	0.08 U	0.016 U	0.016 U	0.034 U	**0.19**	0.02 U
EMW-10D	EMW-10S-5.0'(dupl.)	6/19/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.19	0.08 U	0.016 U	0.016 U	0.034 U	**0.11**	0.02 U
EMW-10D	EMW-10D-10.0'	6/19/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-10D	EMW-10D-15.0'	6/19/2013	14.5 - 15.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-10D	EMW-10D-35.0'	6/19/2013	34.5 - 35.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-11S	EMW-11S-1.0	6/12/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-11S	EMW-11S-5.0	6/12/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-11S	EMW-11S-10.0	6/12/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-12S	EMW-12S-1.0	6/11/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-12S	EMW-12S-5.0	6/11/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-12S	EMW-12S-10.0	6/11/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-12S	EMW-12S-15.0	6/11/2013	14.5 - 15.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-13S	EMW-13S-1.0	6/11/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-13S	EMW-13S-5.0	6/11/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-13S	EMW-13S-7.5	6/11/2013	7 - 8	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.13	0.08 U	0.016 U	0.016 U	0.034 U	0.049	0.02 U
EMW-14D	EMW-14D-1.0'	6/17/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-14D	EMW-14D-5.0'	6/17/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-14D	EMW-14D-10.0'	6/17/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-15D	EMW-15D-1.0'	6/18/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-15D	EMW-15D-5.0'	6/18/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-15D	EMW-15D-10.0'	6/18/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-16D	EMW-16D-1.0'	6/18/2013	0.5 - 1.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-16D	EMW-16D-5.0'	6/18/2013	4.5 - 5.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
EMW-16D	EMW-16D-10.0'	6/18/2013	9.5 - 10.5	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U	0.034 U	0.011 U	0.02 U
FMW-1	FB-1-2	1/1/1990	2	NA	0.0011 U	NA	0.0011 U	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	NA	0.0021 U	NA	NA	NA
FMW-1	FB-1-7	1/1/1990	7	NA	0.0014 U	NA	0.0014 U	0.0014 U	0.0014 U	NA	NA	NA	NA	NA	NA	NA	0.0028 U	NA	NA	NA
FMW-1	FB-1-13	1/1/1990	13	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	NA	0.0026 U	NA	NA	NA
FMW-2	FB-2-2	1/1/1990	2	NA	0.0016 U	NA	0.0016 U	0.0016 U	0.0032 U	NA	NA	NA	NA	NA	NA	NA	0.0016 U	NA	NA	NA
FMW-2	FB-2-5.5	1/1/1990	5.5	NA	0.001 U	NA	0.001 U	0.001 U	0.0021 U	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA
FMW-2	FB-2-8	1/1/1990	8	NA	0.0012	NA	0.0012	0.0012	**0.20**	NA	NA	NA	NA	NA	NA	NA	0.0012	NA	NA	NA
FMW-2	FB-2-18.5	1/1/1990	18.5	NA	0.0012 U	NA	0.0012 U	0.0012 U	0.0025 U	NA	NA	NA	NA	NA	NA	NA	0.0012 U	NA	NA	NA

Sample ID	1,3-Dichloropropane (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,2-Dichloropropane (mg/kg)	2-Chlorotoluene (mg/kg)	2-Hexanone (mg/kg)	4-Chlorotoluene (mg/kg)	Acetone (mg/kg)	Acrylonitrile (mg/kg)	Benzene (mg/kg)	1,2,3-Trimethylbenzene (mg/kg)	Bromobenzene (mg/kg)	Bromoform (mg/kg)	Bromomethane (mg/kg)	Carbon Disulfide (mg/kg)	Carbon tetrachloride (mg/kg)	CFC-11 (mg/kg)	CFC-113 (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	NV	0.032	NV	1,600	NV	400	72,000	1.9	18	NV	NV	130	110	8,000	14	NV	2,400,000
Preliminary Soil Screening Levels[b] (mg/kg)	NV	0.032	NV	160	NV	400	2.08	NV	0.014	NV	NV	0.92	NV	NV	0.03	NV	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)	0.02	0.032	0.026	0.016	0.096	0.019	0.2	NV	0.014	NV	0.012	0.034	0.034	NV	0.03	0.02	NV
EMW-2S-2.5	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-2S-5.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-2S-10.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-3S-1.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-3S-5.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-3S-10.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-3S-15.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-89S-5.0(dupl.)	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-4D-2.5'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-4D-5.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-4D-7.5'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-5S-1.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-5S-7.5	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-5S-10.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-6S-1.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-6S-5.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-6S-10.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-7S-1.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-7S-5.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-7S-10.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-8S-1.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-8S-5.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-8S-10.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-9S-1.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-9S-5.0	0.02 U	0.032 U	0.026 U	0.035	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-9S-10.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-10D-1.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-10D-5.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-10S-5.0'(dupl.)	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-10D-10.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-10D-15.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-10D-35.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-11S-1.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-11S-5.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-11S-10.0	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-12S-1.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-12S-5.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-12S-10.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-12S-15.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-13S-1.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-13S-5.0	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-13S-7.5	0.02 U	0.032 U	0.026 UJ	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-14D-1.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-14D-5.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-14D-10.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-15D-1.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-15D-5.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-15D-10.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-16D-1.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-16D-5.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
EMW-16D-10.0'	0.02 U	0.032 U	0.026 U	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U	0.034 U	0.034 U	NA	0.03 U	0.02 U	NA
FB-1-2	NA	NA	NA	NA	NA	NA	0.0032 B	NA	0.0011 U	NA	NA	NA	NA	NA	0.0021 U	NA	NA
FB-1-7	NA	NA	NA	NA	NA	NA	0.0042 U	NA	0.0014 U	NA	NA	NA	NA	NA	0.0028 U	NA	NA
FB-1-13	NA	NA	NA	NA	NA	NA	0.015 B	NA	0.0013 U	NA	NA	NA	NA	NA	0.0026 U	NA	NA
FB-2-2	NA	NA	NA	NA	NA	NA	0.014	NA	0.0016 U	NA	NA	NA	NA	NA	0.0016 U	NA	NA
FB-2-5.5	NA	NA	NA	NA	NA	NA	0.0072	NA	0.001 U	NA	NA	NA	NA	NA	0.001 U	NA	NA
FB-2-8	NA	NA	NA	NA	NA	NA	0.011	NA	0.0012	NA	NA	NA	NA	NA	0.0012	NA	NA
FB-2-18.5	NA	NA	NA	NA	NA	NA	0.016	NA	0.0012 U	NA	NA	NA	NA	NA	0.0012 U	NA	NA

Sample ID	CFC-12 (mg/kg)	Chlorobenzene (mg/kg)	Chlorodibromo - methane (mg/kg)	Chloroethane (mg/kg)	Chloroform (mg/kg)	Chloromethane (mg/kg)	cis-1,2-Dichloroethene (mg/kg)	cis-1,3-Dichloropropene (mg/kg)	Cumene (mg/kg)	Dibromomethane (mg/kg)	Dichlorobromo - methane (mg/kg)	Ethylbenzene (mg/kg)	Ethylene dibromide (mg/kg)	Hexachloro - butadiene (mg/kg)	Isopropyl ether (mg/kg)	Methyl ethyl ketone (mg/kg)	Methyl isobutyl ketone (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	16,000	1,600	12	0.024	800	0.049	11	NV	8,000	NV	16	8,000	NV	13	NV	48,000	6,400
Preliminary Soil Screening Levels[b] (mg/kg)	NV	0.014	NV	0.024	0.017	0.049	2.6	NV	NV	NV	0.089	0.013	NV	0.04	NV	1.38	0.18
2013 Laboratory Practical Quantitation Limits (mg/kg)	0.02	0.014	0.026	0.024	0.017	0.026	0.022	0.022	0.019	0.022	0.024	0.013	0.023	0.04	NV	0.14	0.14
EMW-2S-2.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-2S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-2S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-3S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-3S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-3S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-3S-15.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-89S-5.0(dupl.)	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-4D-2.5'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-4D-5.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-4D-7.5'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-5S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-5S-7.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-5S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-6S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-6S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-6S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-7S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-7S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-7S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-8S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-8S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-8S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-9S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-9S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	**0.016**	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-9S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-10D-1.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-10D-5.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-10S-5.0'(dupl.)	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-10D-10.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-10D-15.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-10D-35.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-11S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-11S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-11S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-12S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-12S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-12S-10.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-12S-15.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-13S-1.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-13S-5.0	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-13S-7.5	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-14D-1.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-14D-5.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-14D-10.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-15D-1.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-15D-5.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-15D-10.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-16D-1.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-16D-5.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
EMW-16D-10.0'	0.02 U	0.014 U	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U	0.04 U	NA	0.14 U	0.14 U
FB-1-2	NA	0.0011 U	NA	0.0032 U	0.0011 U	0.0021 U	NA	NA	NA	NA	NA	0.0011 U	NA	NA	NA	NA	NA
FB-1-7	NA	0.0014 U	NA	0.0042 U	0.0014 U	0.0028 U	NA	NA	NA	NA	NA	0.0014 U	NA	NA	NA	NA	NA
FB-1-13	NA	0.0013 U	NA	0.0039 U	0.0013 U	0.0026 U	NA	NA	NA	NA	NA	0.0013 U	NA	NA	NA	NA	NA
FB-2-2	NA	0.0016 U	NA	0.0048 U	0.0016 U	0.008 U	NA	NA	NA	NA	NA	0.0016 U	NA	NA	NA	NA	NA
FB-2-5.5	NA	0.001 U	NA	0.0031 U	0.001 U	0.0051 U	NA	NA	NA	NA	NA	0.001 U	NA	NA	NA	NA	NA
FB-2-8	NA	0.0012	NA	0.0035	0.0012	0.0059	NA	NA	NA	NA	NA	0.0012	NA	NA	NA	NA	NA
FB-2-18.5	NA	0.0012 U	NA	0.0037 U	0.0012 U	0.0062 U	NA	NA	NA	NA	NA	0.0012 U	NA	NA	NA	NA	NA

Sample ID	Methyl t-butyl ether (mg/kg)	Methylene chloride (mg/kg)	Naphthalene (mg/kg)	n-Butylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	p-Isopropyltoluene (mg/kg)	sec-Butylbenzene (mg/kg)	Styrene (mg/kg)	tert-Butylbenzene (mg/kg)	Tetrachloroethene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	trans-1,2-Dichloroethene (mg/kg)	trans-1,3-Dichloropropene (mg/kg)	Trichloroethene (mg/kg)	Vinyl Acetate (mg/kg)	Vinyl chloride (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	0.1	130	1,600	NV	8,000	NV	NV	16,000	NV	480	6,400	16,000	NV	NV	12	80,000	240
Preliminary Soil Screening Levels[b] (mg/kg)	NV	0.054	0.00047	NV	NV	NV	NV	1.29	NV	0.026	0.78	0.2	NV	NV	0.033	NV	0.016
2013 Laboratory Practical Quantitation Limits (mg/kg)	0.013	0.054	0.00022	NV	0.017	0.012	0.015	0.021	0.021	0.026	0.017	0.064	0.023	0.015	0.033	NV	0.016
EMW-2S-2.5	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-2S-5.0	0.013 U	0.073 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-2S-10.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-3S-1.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-3S-5.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-3S-10.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-3S-15.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-89S-5.0(dupl.)	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-4D-2.5'	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-4D-5.0'	0.013 U	0.059 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-4D-7.5'	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-5S-1.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-5S-7.5	0.013 U	0.08 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-5S-10.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-6S-1.0	0.013 U	0.069 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-6S-5.0	0.013 U	0.13 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-6S-10.0	0.013 U	0.072 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-7S-1.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-7S-5.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-7S-10.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-8S-1.0	0.013 U	0.099 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-8S-5.0	0.013 U	0.14 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-8S-10.0	0.013 U	0.12 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-9S-1.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-9S-5.0	0.013 U	0.054 U	**0.17**	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.095	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-9S-10.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-10D-1.0'	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-10D-5.0'	0.013 U	0.49 lc	**21**	NA	0.017 U	0.076	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-10S-5.0'(dupl.)	0.013 U	0.054 U	**10** E	NA	0.017 U	0.12 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-10D-10.0'	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-10D-15.0'	0.013 U	0.15 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-10D-35.0'	0.013 U	0.054 U	**0.91**	NA	0.017 U	0.021	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-11S-1.0	0.013 U	0.11 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-11S-5.0	0.013 U	0.15 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-11S-10.0	0.013 U	0.12 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-12S-1.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-12S-5.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-12S-10.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-12S-15.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-13S-1.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-13S-5.0	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-13S-7.5	0.013 U	0.054 U	**0.079**	NA	0.017 U	0.022	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-14D-1.0'	0.013 U	0.088 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-14D-5.0'	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-14D-10.0'	0.013 U	0.054 U	**0.72**	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-15D-1.0'	0.013 U	0.1 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-15D-5.0'	0.013 U	0.094 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-15D-10.0'	0.013 U	0.087 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-16D-1.0'	0.013 U	0.096 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-16D-5.0'	0.013 U	0.099 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
EMW-16D-10.0'	0.013 U	0.15 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	NA	0.016 U
FB-1-2	NA	0.0026 B	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0011 U	0.0021 U	NA	NA	0.0011 U	NA	0.0032 U
FB-1-7	NA	0.0028 B	NA	NA	NA	NA	NA	0.0014 U	NA	0.0014 U	0.0014 U	0.0028 U	NA	NA	0.0014 U	NA	0.0042 U
FB-1-13	NA	0.0041 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0026 U	NA	NA	0.0013 U	NA	0.0039 U
FB-2-2	NA	0.0085 B	NA	NA	NA	NA	NA	0.0016 U	NA	0.0016 U	0.0005 M	0.0016 U	NA	NA	0.0016 U	NA	0.0048 U
FB-2-5.5	NA	0.004 B	NA	NA	NA	NA	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	NA	0.001 U	NA	0.0031 U
FB-2-8	NA	0.004 B	NA	NA	NA	NA	NA	0.0012	NA	0.0012	0.0012	0.0012	NA	NA	0.0012	NA	0.0035
FB-2-18.5	NA	0.0076 B	NA	NA	NA	NA	NA	0.0012 U	NA	0.0012 U	0.0004 M	0.0012 U	NA	NA	0.0012 U	NA	0.0037 U

Table 7
Soil Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	1,1-Dichloroethane (mg/kg)	1,1-Dichloroethene (mg/kg)	1,1-Dichloropropene (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)
			Preliminary Soil Cleanup Levels[a] (mg/kg)	**38**	**160,000**	**5**	**18**	**16,000**	**0.026**	**NV**	**NV**	**0.033**	**0.036**
			Preliminary Soil Screening Levels[b] (mg/kg)	**NV**	**2**	**0.036**	**0.014**	**0.017**	**0.026**	**NV**	**NV**	**NV**	**0.036**
			2013 Laboratory Practical Quantitation Limits (mg/kg)	**0.028**	**0.021**	**0.036**	**0.014**	**0.017**	**0.026**	**0.024**	**0.019**	**0.022**	**0.036**
FMW-3	FB-3-3	1/1/1990	3	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	NA	NA	NA
FMW-3	FB-3-3.5	1/1/1990	3.5	NA	0.0012 U	NA	0.0012 U	0.0012 U	0.0012 U	NA	NA	NA	NA
FMW-3	FB-3-13.5	1/1/1990	13.5	NA	0.0012 U	NA	0.0012 U	0.0012 U	0.0012 U	NA	NA	NA	NA
FB-4	FB4-2.0	4/20/1990	2	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0021 U	NA	NA	NA	NA
FB-4	FB4-8.0	4/20/1990	8	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0027 U	NA	NA	NA	NA
FB-4	FB4-11.0	4/20/1990	11	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	NA	NA	NA	NA
FB-5	FB5-2.0	4/20/1990	2	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	NA	NA	NA	NA
FB-5	FB5-8.0	4/20/1990	8	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	NA	NA	NA	NA
FB-5	FB5-11.0	4/20/1990	11	NA	0.0013 U	0.0013 U	0.0013 U	0.0011 J	0.0027 U	NA	NA	NA	NA
Gasoline Tank Excavation	GST-1	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Tank Excavation	GST-2	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Tank Excavation	GST-3	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Tank Excavation	Gas - 2nd Stockpile	6/10/1988	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1	HC1-S1	11/7/1988	2.5 - 2.75	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	NA	NA	NA	NA
HC-4	HC4-S2	11/7/1988	4	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	NA	NA	NA	NA
HA-11	HA11-6.0-6.5	7/6/1994	6 - 6.5	NA	0.25 U	NA	0.25 U	NA	NA	NA	NA	NA	NA
MW-1 (1994)	MW1-6.0-6.5	7/6/1994	6 - 6.5	NA	0.25 U	NA	0.25 U	NA	NA	NA	NA	NA	NA
SB-1	SB1-0-1FT	12/16/2009	0 - 1	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB-1	SB1-4-5FT	12/16/2009	4 - 5	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB-2	SB2-0-1FT	12/16/2009	0 - 1	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-2	SB2-4-5FT	12/16/2009	4 - 5	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
SB-3	SB3-0-1FT	12/16/2009	0 - 1	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
SB-3	SB3-4-5FT	12/16/2009	4 - 5	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB-4	SB4-0-1FT	12/16/2009	0 - 1	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-4	SB4-4-5FT	12/16/2009	4 - 5	0.0011 U	0.0011 U	0.0011 U	0.0001 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-5	SB5-0-1FT	12/16/2009	0 - 1	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-5	SB5-4-5FT	12/16/2009	4 - 5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-6	SB6-0-1FT	12/16/2009	0 - 1	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB-6	SB6-4-5FT	12/16/2009	4 - 5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-7	SB7-0-1FT	12/16/2009	0 - 1	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SB-7	SB7-4-5FT	12/16/2009	4 - 5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-8	SB8-0-1FT	12/16/2009	0 - 1	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-8	SB8-4-5FT	12/16/2009	4 - 5	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
SB-9	SB9-0-1FT	12/16/2009	0 - 1	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB-9	SB9-4-5FT	12/16/2009	4 - 5	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB-10	SB10-0-1FT	12/16/2009	0 - 1	0.0011 U	0.0011 U	0.0011 U	0.0001 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-10	SB10-4-5FT	12/16/2009	4 - 5	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB-11	SB11-0-1FT	12/16/2009	0 - 1	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB-11	SB11-4-5FT	12/16/2009	4 - 5	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
SCV-12	SCV-12'	7/17/2012	12	0.013 U	0.008 U	0.01 U	0.01 U	0.004 U	0.012 U	0.008 U	0.043 U	0.012 U	0.019 U
SLR-1	SLR1-1	8/22/2011	1 - 1.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-1	SLR1-6	8/22/2011	6 - 6.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-1	SLR1-10	8/22/2011	10 - 10.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-2	SLR2-1	8/19/2011	1 - 1.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-2	SLR2-6	8/22/2011	6 - 6.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-2	SLR2-10	8/19/2011	10 - 10.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-3	SLR3-1	8/19/2011	1 - 1.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-3	SLR3-6	8/22/2011	6 - 6.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-3	SLR3-10	8/19/2011	10 - 10.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-4	SLR4-1	8/19/2011	1 - 1.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-4	SLR4-5	8/19/2011	5 - 5.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-4	SLR4-10	8/19/2011	10 - 10.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-5	SLR5-3	8/22/2011	3 - 3.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-5	SLR5-6	8/22/2011	6 - 6.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-5	SLR5-10	8/22/2011	10 - 10.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-6	SLR6-1	8/19/2011	1 - 1.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-6	SLR6-5	8/19/2011	5 - 5.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U
SLR-6	SLR6-10	8/19/2011	10 - 10.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U

Sample ID	1,2,4-Trimethylbenzene (mg/kg)	1,2-Dibromo-3-chloropropane (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,2-Dichloroethane (mg/kg)	1,2-Dichloropropane (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,3-Dichloropropane (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,2-Dichloropropane (mg/kg)	2-Chlorotoluene (mg/kg)	2-Hexanone (mg/kg)	4-Chlorotoluene (mg/kg)	Acetone (mg/kg)	Acrylonitrile (mg/kg)	Benzene (mg/kg)	1,2,3-Trimethylbenzene (mg/kg)	Bromobenzene (mg/kg)	Bromoform (mg/kg)	Bromomethane (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	**800**	**NV**	**7,200**	**11**	**0.092**	**800**	**0.28**	**NV**	**0.032**	**NV**	**1,600**	**NV**	**400**	**72,000**	**1.9**	**18**	**NV**	**NV**	**130**	**110**
Preliminary Soil Screening Levels[b] (mg/kg)	**800**	**NV**	**0.016**	**0.016**	**0.092**	**0.079**	**0.28**	**NV**	**0.032**	**NV**	**160**	**NV**	**400**	**2.08**	**NV**	**0.014**	**NV**	**NV**	**0.92**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)	**0.016**	**0.08**	**0.016**	**0.016**	**0.034**	**0.011**	**0.02**	**0.02**	**0.032**	**0.026**	**0.016**	**0.096**	**0.019**	**0.2**	**NV**	**0.014**	**NV**	**0.012**	**0.034**	**0.034**
FB-3-3	NA	NA	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0031 U	NA	0.001 U	NA	NA	NA	NA
FB-3-3.5	NA	NA	NA	0.0024 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0025 JB	NA	0.0012 U	NA	NA	NA	NA
FB-3-13.5	NA	NA	NA	0.0024 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.017 B	NA	0.0012 U	NA	NA	NA	NA
FB4-2.0	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0043 U	NA	0.011	NA	0.0011 U	NA	NA	0.0011 U	0.0032 U
FB4-8.0	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0053 U	NA	0.025	NA	0.0013 U	NA	NA	0.0013 U	0.004 U
FB4-11.0	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0052 U	NA	0.015	NA	0.0013 U	NA	NA	0.0013 U	0.0039 U
FB5-2.0	NA	NA	NA	0.0011 U	0.0011 U	NA	NA	NA	NA	NA	NA	0.0045 U	NA	0.025	NA	0.0011 U	NA	NA	0.0011 U	0.0034 U
FB5-8.0	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0052 U	NA	0.24	NA	0.0013 U	NA	NA	0.0013 U	0.0039 U
FB5-11.0	NA	NA	NA	0.0013 U	0.0013 U	NA	NA	NA	NA	NA	NA	0.0054 U	NA	0.022	NA	0.0013 U	NA	NA	0.0013 U	0.004 U
GST-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	NA	NA	NA	NA
GST-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	NA	NA	NA	NA
GST-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA
Gas - 2nd Stockpile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA
HC1-S1	NA	NA	NA	0.002 U	0.002 U	NA	NA	NA	NA	NA	NA	0.006 U	NA	0.15	NA	0.002 U	NA	NA	0.002 U	0.002 U
HC4-S2	NA	NA	NA	0.002 U	0.002 U	NA	NA	NA	NA	NA	NA	0.007 U	NA	0.081	NA	0.002 U	NA	NA	0.002 U	0.002 U
HA11-6.0-6.5	NA	NA	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	0.25 U	NA	NA	NA	NA
MW1-6.0-6.5	NA	NA	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA	0.25 U	NA	NA	NA	NA
SB1-0-1FT	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U	0.059 U	0.012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U
SB1-4-5FT	0.0015	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.0013	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U	0.058 U	0.012 U	0.0024	0.0019	0.0012 U	0.0012 U	0.0058 U
SB2-0-1FT	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U	0.054 U	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U
SB2-4-5FT	0.0018 U	0.0089 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	NA	0.0018 U	0.089 U	0.018 U	0.0078	0.0018 U	0.0018 U	0.0018 U	0.0089 U
SB3-0-1FT	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	NA	0.0068 U	0.068 U	0.014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0068 U
SB3-4-5FT	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U	0.062 U	0.012 U	0.0021	0.0012 U	0.0012 U	0.0012 U	0.0062 U
SB4-0-1FT	0.0013	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	NA	0.0011 U	0.054 U	0.011 U	0.0011 U	0.0012	0.0011 U	0.0011 U	0.0054 U
SB4-4-5FT	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U	0.055 U	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U
SB5-0-1FT	0.0011 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U	0.073	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0056 U
SB5-4-5FT	0.0011 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U	0.056 U	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0056 U
SB6-0-1FT	0.0012 U	0.0064 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U	0.15	0.012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0064 U
SB6-4-5FT	0.0011 U	0.0053 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U	0.053 U	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0053 U
SB7-0-1FT	0.001 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	NA	0.001 U	0.07	0.01 U	0.0011	0.001 U	0.001 U	0.001 U	0.0052 U
SB7-4-5FT	0.0011 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U	0.056 U	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0056 U
SB8-0-1FT	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	NA	0.0011 U	0.16	0.011 U	0.0022	0.0011 U	0.0011 U	0.0011 U	0.0054 U
SB8-4-5FT	0.0013 U	0.0065 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	NA	0.0013 U	0.065 U	0.013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0065 U
SB9-0-1FT	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U	0.11	0.012 U	0.0023	0.0012 U	0.0012 U	0.0012 U	0.006 U
SB9-4-5FT	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U	0.062 U	0.012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U
SB10-0-1FT	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U	0.1	0.011 U	0.002	0.0011 U	0.0011 U	0.0011 U	0.0055 U
SB10-4-5FT	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U	0.062 U	0.012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U
SB11-0-1FT	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	NA	0.0011 U	0.054 U	0.011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U
SB11-4-5FT	0.0013 U	0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	NA	0.0013 U	0.064 U	0.013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U
SCV-12'	0.008 U	0.025 U	0.007 U	0.007 U	0.008 U	0.008 U	0.005 U	0.009 U	0.006 U	0.007 U	0.01 U	0.03 U	0.011 U	0.154 U	NA	0.0022 U	NA	0.007 U	0.014 U	0.04 U
SLR1-1	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR1-6	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR1-10	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.18	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR2-1	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR2-6	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR2-10	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR3-1	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR3-6	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR3-10	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR4-1	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR4-5	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR4-10	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR5-3	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR5-6	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR5-10	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR6-1	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR6-5	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U
SLR6-10	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U

Sample ID	Carbon Disulfide (mg/kg)	Carbon tetrachloride (mg/kg)	CFC-11 (mg/kg)	CFC-113 (mg/kg)	CFC-12 (mg/kg)	Chlorobenzene (mg/kg)	Chlorodibromo - methane (mg/kg)	Chloroethane (mg/kg)	Chloroform (mg/kg)	Chloromethane (mg/kg)	cis-1,2-Dichloroethene (mg/kg)	cis-1,3-Dichloropropene (mg/kg)	Cumene (mg/kg)	Dibromomethane (mg/kg)	Dichlorobromo - methane (mg/kg)	Ethylbenzene (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	**8,000**	**14**	**NV**	**2,400,000**	**16,000**	**1,600**	**12**	**0.024**	**800**	**0.049**	**11**	**NV**	**8,000**	**NV**	**16**	**8,000**
Preliminary Soil Screening Levels[b] (mg/kg)	**NV**	**0.03**	**NV**	**NV**	**NV**	**0.014**	**NV**	**0.024**	**0.017**	**0.049**	**2.6**	**NV**	**NV**	**NV**	**0.089**	**0.013**
2013 Laboratory Practical Quantitation Limits (mg/kg)	**NV**	**0.03**	**0.02**	**NV**	**0.02**	**0.014**	**0.026**	**0.024**	**0.017**	**0.026**	**0.022**	**0.022**	**0.019**	**0.022**	**0.024**	**0.013**
FB-3-3	NA	0.002 U	NA	NA	NA	0.001 U	NA	0.0031 U	0.001 U	0.002 U	NA	NA	NA	NA	NA	0.001 U
FB-3-3.5	NA	0.0024 U	NA	NA	NA	0.0012 U	NA	0.0036 U	0.0012 U	0.0024 U	NA	NA	NA	NA	NA	0.0012 U
FB-3-13.5	NA	0.0024 U	NA	NA	NA	0.0012 U	NA	0.0037 U	0.0012 U	0.0024 U	NA	NA	NA	NA	NA	0.0012 U
FB4-2.0	0.0021 U	0.0011 U	0.0011 U	0.0053 U	NA	0.0011 U	0.0011 U	0.0032 U	0.0011 U	0.0053 U	0.0011 U	0.0011 U	NA	NA	0.0011 U	0.0011 U
FB4-8.0	0.0027 U	0.0013 U	0.0013 U	0.0067 U	NA	0.0013 U	0.0013 U	0.004 U	0.0013 U	0.0067 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
FB4-11.0	0.0026 U	0.0013 U	0.0013 U	0.0065 U	NA	0.0013 U	0.0013 U	0.0039 U	0.0013 U	0.0065 U	0.0013 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
FB5-2.0	0.0022 U	0.0011 U	0.0011 U	0.0056 U	NA	0.0011 U	0.0011 U	0.0034 U	0.0011 U	0.0056 U	0.0011 U	0.0011 U	NA	NA	0.0011 U	0.0011 U
FB5-8.0	0.0026 U	0.0013 U	0.0013 U	0.0065 U	NA	0.0013 U	0.0013 U	0.0039 U	0.0013 U	0.0065 U	0.023 U	0.0013 U	NA	NA	0.0013 U	0.0013 U
FB5-11.0	0.0027 U	0.0013 U	0.0013 U	0.0067 U	NA	0.0013 U	0.0013 U	0.004 U	0.0013 U	0.0067 U	0.031	0.0013 U	NA	NA	0.0013 U	0.0013 U
GST-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U
GST-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U
GST-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U
Gas - 2nd Stockpile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U
HC1-S1	0.002 U	0.002 U	NA	NA	NA	0.006 U	0.006 U	0.006 U	0.002 U	0.002 U	0.002 U	0.006 U	NA	NA	0.002 U	0.002 U
HC4-S2	0.002 U	0.002 U	NA	NA	NA	0.007 U	0.007 U	0.007 U	0.002 U	0.002 U	0.002 U	0.007 U	NA	NA	0.002 U	0.002 U
HA11-6.0-6.5	0.25 U	0.25 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U
MW1-6.0-6.5	0.25 U	0.25 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 U
SB1-0-1FT	NA	0.0012 U	0.0059 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	0.0059 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB1-4-5FT	NA	0.0012 U	0.0058 U	0.0012 U	0.0058 U	0.0012 U	0.0012 U	0.0058 U	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB2-0-1FT	NA	0.0011 U	0.0054 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB2-4-5FT	NA	0.0018 U	0.0089 U	0.0018 U	0.0089 U	0.0018 U	0.0018 U	0.0089 U	0.0089 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
SB3-0-1FT	NA	0.0014 U	0.0068 U	0.0014 U	0.0068 U	0.0014 U	0.0014 U	0.0068 U	0.0068 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
SB3-4-5FT	NA	0.0012 U	0.0062 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB4-0-1FT	NA	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB4-4-5FT	NA	0.0011 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB5-0-1FT	NA	0.0011 U	0.0056 U	0.0011 U	0.0056 U	0.0011 U	0.0011 U	0.0056 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB5-4-5FT	NA	0.0011 U	0.0056 U	0.0011 U	0.0056 U	0.0011 U	0.0011 U	0.0056 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB6-0-1FT	NA	0.0012 U	0.0064 U	0.0012 U	0.0064 U	0.0012 U	0.0012 U	0.0064 U	0.0064 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB6-4-5FT	NA	0.0011 U	0.0053 U	0.0011 U	0.0053 U	0.0011 U	0.0011 U	0.0053 U	0.0053 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB7-0-1FT	NA	0.001 U	0.0052 U	0.001 U	0.0052 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
SB7-4-5FT	NA	0.0011 U	0.0056 U	0.0011 U	0.0056 U	0.0011 U	0.0011 U	0.0056 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB8-0-1FT	NA	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB8-4-5FT	NA	0.0013 U	0.0065 U	0.0013 U	0.0065 U	0.0013 U	0.013 U	0.0065 U	0.0065 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
SB9-0-1FT	NA	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB9-4-5FT	NA	0.0012 U	0.0062 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB10-0-1FT	NA	0.0011 U	0.0055 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	0.0055 U	0.0055 U	0.0036	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB10-4-5FT	NA	0.0012 U	0.0062 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
SB11-0-1FT	NA	0.0011 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
SB11-4-5FT	NA	0.0013 U	0.0064 U	0.0013 U	0.0064 U	0.0013 U	0.0013 U	0.0064 U	0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
SCV-12'	NA	0.009 U	0.004 U	NA	0.009 U	0.007 U	0.01 U	0.017 U	0.005 U	0.008 U	0.005 U	0.006 U	0.006 U	0.009 U	0.007 U	0.007 U
SLR1-1	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR1-6	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR1-10	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR2-1	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR2-6	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR2-10	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR3-1	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR3-6	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR3-10	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR4-1	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR4-5	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR4-10	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR5-3	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR5-6	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR5-10	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR6-1	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR6-5	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U
SLR6-10	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U

Sample ID	Ethylene dibromide (mg/kg)	Hexachloro - butadiene (mg/kg)	Isopropyl ether (mg/kg)	Methyl ethyl ketone (mg/kg)	Methyl isobutyl ketone (mg/kg)	Methyl t-butyl ether (mg/kg)	Methylene chloride (mg/kg)	Naphthalene (mg/kg)	n-Butylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	p-Isopropyltoluene (mg/kg)	sec-Butylbenzene (mg/kg)	Styrene (mg/kg)	tert-Butylbenzene (mg/kg)	Tetrachloroethene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	trans-1,2-Dichloroethene (mg/kg)	trans-1,3-Dichloropropene (mg/kg)	Trichloroethene (mg/kg)	Vinyl Acetate (mg/kg)	Vinyl chloride (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)	**NV**	**13**	**NV**	**48,000**	**6,400**	**0.1**	**130**	**1,600**	**NV**	**8,000**	**NV**	**NV**	**16,000**	**NV**	**480**	**6,400**	**16,000**	**NV**	**NV**	**12**	**80,000**	**240**
Preliminary Soil Screening Levels[b] (mg/kg)	**NV**	**0.04**	**NV**	**1.38**	**0.18**	**NV**	**0.054**	**0.00047**	**NV**	**NV**	**NV**	**NV**	**1.29**	**NV**	**0.026**	**0.78**	**0.2**	**NV**	**NV**	**0.033**	**NV**	**0.016**
2013 Laboratory Practical Quantitation Limits (mg/kg)	**0.023**	**0.04**	**NV**	**0.14**	**0.14**	**0.013**	**0.054**	**0.00022**	**NV**	**0.017**	**0.012**	**0.015**	**0.021**	**0.021**	**0.026**	**0.017**	**0.064**	**0.023**	**0.015**	**0.033**	**NV**	**0.016**
FB-3-3	NA	NA	NA	NA	NA	NA	0.0023 B	NA	NA	NA	NA	NA	0.001 U	NA	0.001 U	0.001 U	0.002 U	NA	NA	0.001 U	NA	0.0031 U
FB-3-3.5	NA	NA	NA	NA	NA	NA	0.0039 B	NA	NA	NA	NA	NA	0.0012 U	NA	0.0012 U	0.0012 U	0.0024 U	NA	NA	0.0012 U	NA	0.0036 U
FB-3-13.5	NA	NA	NA	NA	NA	NA	0.0042 B	NA	NA	NA	NA	NA	0.0012 U	NA	0.0012 U	0.0012 U	0.0024 U	NA	NA	0.0012 U	NA	0.0037 U
FB4-2.0	NA	NA	NA	0.008 U	0.0021 U	NA	0.0055 B	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0032 U
FB4-8.0	NA	NA	NA	0.0031 EST	0.0027 U	NA	0.0064 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.004 U
FB4-11.0	NA	NA	NA	0.0097 U	0.0026 U	NA	0.0039 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0039 U
FB5-2.0	NA	NA	NA	0.0084 U	0.0022 U	NA	0.0038 B	NA	NA	NA	NA	NA	0.0011 U	NA	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0034 U
FB5-8.0	NA	NA	NA	0.043	0.0026 U	NA	0.004 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0008 J	0.0013 U	0.0039 U
FB5-11.0	NA	NA	NA	0.01	0.0027 U	NA	0.0058 B	NA	NA	NA	NA	NA	0.0013 U	NA	0.0032	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0014	0.0013 U	0.0033 U
GST-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	**0.94**	NA	NA	NA	NA	NA
GST-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.013 U	NA	NA	NA	NA	NA
GST-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	**0.71**	NA	NA	NA	NA	NA
Gas - 2nd Stockpile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	**0.71**	NA	NA	NA	NA	NA
HC1-S1	NA	NA	NA	0.006 U	0.006 U	NA	0.002 U	NA	NA	NA	NA	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.006 U	0.002 U	0.002 U	0.002 U
HC4-S2	NA	NA	NA	0.007 U	0.007 U	NA	0.002 U	NA	NA	NA	NA	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.007 U	0.002 U	0.002 U	0.002 U
HA11-6.0-6.5	NA	NA	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.5 U	NA	NA	0.25 U	NA	NA
MW1-6.0-6.5	NA	NA	NA	1 U	1 U	NA	1 U	NA	NA	NA	NA	NA	NA	NA	0.25 U	0.25 U	0.5 U	NA	NA	0.25 U	NA	NA
SB1-0-1FT	0.0012 U	0.0012 U	0.0012 U	0.012 U	0.012 U	0.0012 U	0.0059 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0035 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U
SB1-4-5FT	0.0012 U	0.0012 U	0.0012 U	0.012 U	0.0012 U	0.0058 U	0.0058 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0058 U	0.0034 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U
SB2-0-1FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0033 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB2-4-5FT	0.0018 U	0.0018 U	0.0018 U	0.018 U	0.018 U	0.0018 U	0.0089 U	0.0089 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0089 U	0.0054 U	0.0018 U	0.0018 U	0.0018 U	NA	0.0018 U
SB3-0-1FT	0.0014 U	0.0014 U	0.0014 U	0.014 U	0.014 U	0.0014 U	0.0068 U	0.0068 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0068 U	0.0041 U	0.0014 U	0.0014 U	0.0014 U	NA	0.0014 U
SB3-4-5FT	0.0012 U	0.0012 U	0.0012 U	0.012 U	0.012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0037 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U
SB4-0-1FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0032 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB4-4-5FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0033 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB5-0-1FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0056 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0056 U	0.0034 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB5-4-5FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0056 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0056 U	0.0034 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB6-0-1FT	0.0012 U	0.0012 U	0.0012 U	0.025	0.012 U	0.0012 U	0.0064 U	0.0064 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0064 U	0.0039 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U
SB6-4-5FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0053 U	0.0053 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0053 U	0.0032 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB7-0-1FT	0.001 U	0.001 U	0.001 U	0.016	0.01 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.0031 U	0.001 U	0.001 U	0.001 U	NA	0.001 U
SB7-4-5FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0056 U	0.0056 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0056 U	0.0033 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB8-0-1FT	0.0011 U	0.0011 U	0.0011 U	0.028	0.011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0032 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB8-4-5FT	0.0013 U	0.0013 U	0.0013 U	0.013 U	0.013 U	0.0013 U	0.0065 U	0.0065 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0065 U	0.0039 U	0.0013 U	0.0013 U	0.0013 U	NA	0.0013 U
SB9-0-1FT	0.0012 U	0.0012 U	0.0012 U	0.012 U	0.012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0031	0.0012 U	0.0036 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U
SB9-4-5FT	0.0012 U	0.0012 U	0.0012 U	0.012 U	0.012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012	0.0062 U	0.0037 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U
SB10-0-1FT	0.0011 U	0.0011 U	0.0011 U	0.012	0.011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0033 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB10-4-5FT	0.0012 U	0.0012 U	0.0012 U	0.012 U	0.012 U	0.0012 U	0.0062 U	0.0062 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0037 U	0.0012 U	0.0012 U	0.0012 U	NA	0.0012 U
SB11-0-1FT	0.0011 U	0.0011 U	0.0011 U	0.011 U	0.011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0032 U	0.0011 U	0.0011 U	0.0011 U	NA	0.0011 U
SB11-4-5FT	0.0013 U	0.0013 U	0.0013 U	0.013 U	0.013 U	0.0013 U	0.0064 U	0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0039 U	0.0013 U	0.0013 U	0.0013 U	NA	0.0013 U
SCV-12'	0.011 U	0.042 U	NA	0.043 U	0.072 U	0.005 U	0.257 U	0.024 U	NA	0.007 U	0.01 U	0.01 U	0.005 U	0.008 U	0.011 U	0.003 U	0.007 U	0.01 U	0.01 U	0.013 U	NA	0.008 U
SLR1-1	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR1-6	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR1-10	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR2-1	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR2-6	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR2-10	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR3-1	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR3-6	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR3-10	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR4-1	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR4-5	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR4-10	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR5-3	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR5-6	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR5-10	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR6-1	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR6-5	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR6-10	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U

Table 7
Soil Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	1,1-Dichloroethane (mg/kg)	1,1-Dichloroethene (mg/kg)	1,1-Dichloropropene (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,2-Dibromo-3-chloropropane (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,2-Dichloroethane (mg/kg)	1,2-Dichloropropane (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,3-Dichloropropane (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,2-Dichloropropane (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)				**38**	**160,000**	**5**	**18**	**16,000**	**0.026**	**NV**	**NV**	**0.033**	**0.036**	**800**	**NV**	**7,200**	**11**	**0.092**	**800**	**0.28**	**NV**	**0.032**	**NV**
Preliminary Soil Screening Levels[b] (mg/kg)				**NV**	**2**	**0.036**	**0.014**	**0.017**	**0.026**	**NV**	**NV**	**NV**	**0.036**	**800**	**NV**	**0.016**	**0.016**	**0.092**	**0.079**	**0.28**	**NV**	**0.032**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.028**	**0.021**	**0.036**	**0.014**	**0.017**	**0.026**	**0.024**	**0.019**	**0.022**	**0.036**	**0.016**	**0.08**	**0.016**	**0.016**	**0.034**	**0.011**	**0.02**	**0.02**	**0.032**	**0.026**
SLR-7	SLR7-1	8/22/2011	1 - 1.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
SLR-7	SLR7-5	8/22/2011	5 - 5.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
SLR-7	SLR7-10	8/22/2011	10 - 10.5	0.05 U	0.026 U	0.05 U	0.0032 U	0.021 U	0.014 U	0.05 U	0.25 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.0084 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
SS-2	SS2	11/8/1988	0-0.5	NA	0.003 U	NA	0.003 U	0.003 U	0.003 U	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U	NA	NA	NA	NA	NA
SS-3	SS3	11/8/1988	0-0.5	NA	0.008 U	NA	0.008 U	0.008 U	0.008 U	NA	NA	NA	NA	NA	NA	NA	0.008 U	0.008 U	NA	NA	NA	NA	NA
Trench 1-1	TRENCH1-1-8'	7/19/2012	8	0.013 U	0.008 U	0.01 U	0.01 U	0.004 U	0.012 U	0.008 U	0.043 U	0.012 U	0.019 U	0.008 U	0.025 U	0.007 U	0.007 U	0.008 U	0.008 U	0.005 U	0.009 U	0.006 U	0.007 U
Trench 1-2	TRENCH1-2-9'	7/19/2012	9	0.013 U	0.008 U	0.01 U	0.01 U	0.004 U	0.012 U	0.008 U	0.043 U	0.012 U	0.019 U	0.008 U	0.025 U	0.007 U	0.007 U	0.008 U	0.008 U	0.005 U	0.009 U	0.006 U	0.007 U
Trench 2-1	TRENCH2-1-8'	7/24/2012	8	0.013 U	0.008 U	0.01 U	0.01 U	0.004 U	0.012 U	0.008 U	0.043 U	0.012 U	0.019 U	0.008 U	0.025 U	0.007 U	0.007 U	0.008 U	0.008 U	0.005 U	0.009 U	0.006 U	0.007 U
Trench 4-1	TRENCH4-1-3.0'	7/26/2012	3	0.013 U	0.008 U	0.01 U	0.01 U	0.004 U	0.012 U	0.008 U	0.043 U	0.012 U	0.019 U	0.008 U	0.025 U	0.007 U	0.007 U	0.008 U	0.008 U	0.005 U	0.009 U	0.006 U	0.007 U

Location	Sample ID	2-Chlorotoluene (mg/kg)	2-Hexanone (mg/kg)	4-Chlorotoluene (mg/kg)	Acetone (mg/kg)	Acrylonitrile (mg/kg)	Benzene (mg/kg)	1,2,3-Trimethylbenzene (mg/kg)	Bromobenzene (mg/kg)	Bromoform (mg/kg)	Bromomethane (mg/kg)	Carbon Disulfide (mg/kg)	Carbon tetrachloride (mg/kg)	CFC-11 (mg/kg)	CFC-113 (mg/kg)	CFC-12 (mg/kg)	Chlorobenzene (mg/kg)	Chlorodibromo - methane (mg/kg)	Chloroethane (mg/kg)	Chloroform (mg/kg)	Chloromethane (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)		**1,600**	**NV**	**400**	**72,000**	**1.9**	**18**	**NV**	**NV**	**130**	**110**	**8,000**	**14**	**NV**	**2,400,000**	**16,000**	**1,600**	**12**	**0.024**	**800**	**0.049**
Preliminary Soil Screening Levels[b] (mg/kg)		**160**	**NV**	**400**	**2.08**	**NV**	**0.014**	**NV**	**NV**	**0.92**	**NV**	**NV**	**0.03**	**NV**	**NV**	**NV**	**0.014**	**NV**	**0.024**	**0.017**	**0.049**
2013 Laboratory Practical Quantitation Limits (mg/kg)		**0.016**	**0.096**	**0.019**	**0.2**	**NV**	**0.014**	**NV**	**0.012**	**0.034**	**0.034**	**NV**	**0.03**	**0.02**	**NV**	**0.02**	**0.014**	**0.026**	**0.024**	**0.017**	**0.026**
SLR-7	SLR7-1	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U
SLR-7	SLR7-5	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U
SLR-7	SLR7-10	0.05 U	0.5 U	0.05 U	0.1 U	NA	0.004 U	NA	0.05 U	0.05 U	0.5 U	NA	0.0092 U	0.024 U	NA	0.5 U	0.02 U	0.05 U	0.46 U	0.013 U	0.03 U
SS-2	SS2	NA	0.01 U	NA	0.077	NA	0.003 U	NA	NA	0.003 U	0.003 U	0.003 U	0.003 U	NA	NA	NA	0.01 U	0.01 U	0.01 U	0.003 U	0.003 U
SS-3	SS3	NA	0.024 U	NA	0.041	NA	0.008 U	NA	NA	0.008 U	0.008 U	0.008 U	0.008 U	NA	NA	NA	0.024 U	0.024 U	0.024 U	0.008 U	0.008 U
Trench 1-1	TRENCH1-1-8'	0.01 U	0.03 U	0.011 U	0.154 U	NA	0.0022 U	NA	0.007 U	0.014 U	0.04 U	NA	0.009 U	0.004 U	NA	0.009 U	0.007 U	0.01 U	0.017 U	0.005 U	0.008 U
Trench 1-2	TRENCH1-2-9'	0.01 U	0.03 U	0.011 U	0.154 U	NA	0.0022 U	NA	0.007 U	0.014 U	0.04 U	NA	0.009 U	0.004 U	NA	0.009 U	0.007 U	0.01 U	0.017 U	0.005 U	0.008 U
Trench 2-1	TRENCH2-1-8'	0.01 U	0.03 U	0.011 U	0.154 U	NA	0.0022 U	NA	0.007 U	0.014 U	0.04 U	NA	0.009 U	0.004 U	NA	0.009 U	0.007 U	0.01 U	0.017 U	0.005 U	0.008 U
Trench 4-1	TRENCH4-1-3.0'	0.01 U	0.03 U	0.011 U	0.154 U	NA	0.0022 U	NA	0.007 U	0.014 U	0.04 U	NA	0.009 U	0.004 U	NA	0.009 U	0.007 U	0.01 U	0.017 U	0.005 U	0.008 U

Location	Sample ID	cis-1,2-Dichloroethene (mg/kg)	cis-1,3-Dichloropropene (mg/kg)	Cumene (mg/kg)	Dibromomethane (mg/kg)	Dichlorobromo - methane (mg/kg)	Ethylbenzene (mg/kg)	Ethylene dibromide (mg/kg)	Hexachloro - butadiene (mg/kg)	Isopropyl ether (mg/kg)	Methyl ethyl ketone (mg/kg)	Methyl isobutyl ketone (mg/kg)	Methyl t-butyl ether (mg/kg)	Methylene chloride (mg/kg)	Naphthalene (mg/kg)	n-Butylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	p-Isopropyltoluene (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)		**11**	**NV**	**8,000**	**NV**	**16**	**8,000**	**NV**	**13**	**NV**	**48,000**	**6,400**	**0.1**	**130**	**1,600**	**NV**	**8,000**	**NV**
Preliminary Soil Screening Levels[b] (mg/kg)		**2.6**	**NV**	**NV**	**NV**	**0.089**	**0.013**	**NV**	**0.04**	**NV**	**1.38**	**0.18**	**NV**	**0.054**	**0.00047**	**NV**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)		**0.022**	**0.022**	**0.019**	**0.022**	**0.024**	**0.013**	**0.023**	**0.04**	**NV**	**0.14**	**0.14**	**0.013**	**0.054**	**0.00022**	**NV**	**0.017**	**0.012**
SLR-7	SLR7-1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U
SLR-7	SLR7-5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U
SLR-7	SLR7-10	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 U	0.05 U	0.25 U	NA	0.5 U	0.5 U	0.05 U	0.072 U	0.25 U	NA	0.05 U	0.05 U
SS-2	SS2	0.003 U	0.01 U	NA	NA	0.003 U	**0.096**	NA	NA	NA	0.01 U	0.01 U	NA	0.003 U	NA	NA	NA	NA
SS-3	SS3	0.008 U	0.024 U	NA	NA	0.008 U	0.005 U	NA	NA	NA	0.024 U	0.024 U	NA	0.008	NA	NA	NA	NA
Trench 1-1	TRENCH1-1-8'	0.005 U	0.006 U	0.006 U	0.009 U	0.007 U	0.007 U	0.011 U	0.042 U	NA	0.043 U	0.072 U	0.005 U	0.257 U	**0.079**	NA	0.007 U	0.01 U
Trench 1-2	TRENCH1-2-9'	0.005 U	0.006 U	0.006 U	0.009 U	0.007 U	0.007 U	0.011 U	0.042 U	NA	0.043 U	0.072 U	0.005 U	0.257 U	**0.079**	NA	0.007 U	0.01 U
Trench 2-1	TRENCH2-1-8'	0.005 U	0.006 U	0.006 U	0.009 U	0.007 U	0.007 U	0.011 U	0.042 U	NA	0.043 U	0.072 U	0.005 U	0.257 U	0.024 U	NA	0.007 U	0.01 U
Trench 4-1	TRENCH4-1-3.0'	0.005 U	0.006 U	0.006 U	0.009 U	0.007 U	0.007 U	0.011 U	0.042 U	NA	0.043 U	0.072 U	0.005 U	0.257 U	0.024 U	NA	0.007 U	0.01 U

Location	Sample ID	sec-Butylbenzene (mg/kg)	Styrene (mg/kg)	tert-Butylbenzene (mg/kg)	Tetrachloroethene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	trans-1,2-Dichloroethene (mg/kg)	trans-1,3-Dichloropropene (mg/kg)	Trichloroethene (mg/kg)	Vinyl Acetate (mg/kg)	Vinyl chloride (mg/kg)
Preliminary Soil Cleanup Levels[a] (mg/kg)		**NV**	**16,000**	**NV**	**480**	**6,400**	**16,000**	**NV**	**NV**	**12**	**80,000**	**240**
Preliminary Soil Screening Levels[b] (mg/kg)		**NV**	**1.29**	**NV**	**0.026**	**0.78**	**0.2**	**NV**	**NV**	**0.033**	**NV**	**0.016**
2013 Laboratory Practical Quantitation Limits (mg/kg)		**0.015**	**0.021**	**0.021**	**0.026**	**0.017**	**0.064**	**0.023**	**0.015**	**0.033**	**NV**	**0.016**
SLR-7	SLR7-1	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR-7	SLR7-5	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SLR-7	SLR7-10	0.05 U	0.021 U	0.05 U	0.022 U	0.013 U	0.011 U	0.05 U	0.05 U	0.024 U	NA	0.015 U
SS-2	SS2	NA	0.003 U	NA	0.003 U	0.049	**0.64**	0.003 U	0.01 U	0.003 U	0.003 U	0.003 U
SS-3	SS3	NA	0.008 U	NA	0.008 U	0.12	0.047	0.008 U	0.024 U	0.008 U	0.008 U	0.008 U
Trench 1-1	TRENCH1-1-8'	0.01 U	0.005 U	0.008 U	0.011 U	0.003 U	0.007 U	0.01 U	0.01 U	0.013 U	NA	0.008 U
Trench 1-2	TRENCH1-2-9'	0.01 U	0.005 U	0.008 U	0.011 U	0.003 U	0.007 U	0.01 U	0.01 U	0.013 U	NA	0.008 U
Trench 2-1	TRENCH2-1-8'	0.01 U	0.005 U	0.008 U	0.011 U	0.003 U	0.007 U	0.01 U	0.01 U	0.013 U	NA	0.008 U
Trench 4-1	TRENCH4-1-3.0'	0.01 U	0.005 U	0.008 U	0.011 U	0.003 U	0.007 U	0.01 U	0.01 U	0.013 U	NA	0.008 U

Notes:
Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels.
Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels.
Non-detected values highlighted in blue exceed the preliminary soil cleanup levels.
Results that exceed the screening levels due to possible interference from laboratory contamination are highlighted in purple.
mg/kg = milligrams per kilogram.
NA = Not analyzed.
NR = Not recorded.
NV = No value available.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
B = The laboratory report noted that the analyte was detected in the sample and method blank and the reported result is sample concentration without blank correction.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
EST = The laboratory report noted that the reported result is an estimate.
J = The laboratory report noted that the analyte was positively identified and the reported result is an estimate.
JK = The laboratory report noted that the analyte was positively identified and the reported result is an estimate with unknown bias.
M = The laboratory report noted that the reported value is an estimate, but with low spectral match parameters.
lc = The laboratory report noted that the presence of the compound indicated is likely due to laboratory contamination.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 8
Soil Sample Analytical Results - Dioxins/Furans
8th Avenuel Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Feet)	Individual Dioxin/Furan Compounds																
				2,3,7,8-TCDD (mg/kg)	1,2,3,7,8-PeCDD (mg/kg)	1,2,3,4,7,8-HxCDD (mg/kg)	1,2,3,6,7,8-HxCDD (mg/kg)	1,2,3,7,8,9-HxCDD (mg/kg)	1,2,3,4,6,7,8-HpCDD (mg/kg)	OCDD (mg/kg)	2,3,7,8-TCDF (mg/kg)	1,2,3,7,8-PeCDF (mg/kg)	2,3,4,7,8-PeCDF (mg/kg)	1,2,3,4,7,8-HxCDF (mg/kg)	1,2,3,6,7,8-HxCDF (mg/kg)	2,3,4,6,7,8-HxCDF (mg/kg)	1,2,3,7,8,9-HxCDF (mg/kg)	1,2,3,4,6,7,8-HpCDF (mg/kg)	1,2,3,4,7,8,9-HpCDF (mg/kg)	OCDF (mg/kg)
Preliminary Soil Cleaunup Levels[a] (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Preliminary Soil Screening Levels[b] (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
2013 Practical Quantitation Limits (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	2.20E-07 JT	1.73E-06 JT	2.56E-06	8.55E-06	5.53E-06	1.37E-04	8.41E-04	2.11E-06	1.53E-06 JT	4.10E-06	4.92E-06	2.18E-06 JT	2.63E-06	5.84E-07 JT	1.89E-05	1.16E-06 JT	2.20E-05
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	6.94E-08 JT	1.14E-07 JT	1.08E-07 JT	2.00E-07 JT	2.64E-07 JT	3.56E-06	2.72E-05	2.81E-07 JT	1.16E-07 EMPC	1.63E-07 JT	1.26E-07 EMPC	8.57E-08 JT	1.24E-07 JT	5.16E-08 U	5.09E-07 JT	6.84E-08 U	7.23E-07 EMPC
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	1.10E-07 U	1.53E-07 U	2.19E-07 U	2.30E-07 U	2.22E-07 U	1.82E-06 JT	1.76E-05	8.72E-08 U	1.24E-07 U	1.27E-07 U	1.40E-07 U	1.38E-07 U	1.46E-08 U	1.94E-07 U	2.71E-07 JT	2.32E-07 U	5.11E-07 JT
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	4.05E-07 EMPC	2.61E-06	4.85E-06	2.07E-05	9.00E-06	6.06E-04	7.24E-03	2.89E-06	2.12E-06 JT	5.57E-06	8.15E-06	4.96E-06	5.36E-06	3.34E-07 JT	9.30E-05	6.49E-06	2.47E-04
EB-28	EB-28-7.5	6/10/2013	7 - 8	6.66E-07 U	1.15E-06 U	1.41E-06 U	1.47E-06 U	1.51E-06 U	7.34E-06	1.67E-05 EMPC	1.25E-06 EMPC	1.03E-06 U	1.93E-06 JT	1.13E-06 U	1.22E-06 U	1.21E-06 U	1.66E-06 U	2.25E-06 U	3.37E-06 U	4.74E-06 U
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	8.53E-08 U	1.30E-07 U	1.04E-07 U	1.07E-07 U	1.08E-07 U	3.04E-07 EMPC	2.35E-06 JT	5.63E-08 U	7.74E-08 U	7.38E-08 U	7.19E-08 U	6.59E-08 U	6.89E-08 U	8.11E-08 U	6.20E-08 U	7.53E-08 U	1.41E-07 U
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	1.96E-07 EMPC	5.73E-07 JT	8.69E-07 JT	3.84E-06	1.78E-06 JT	1.42E-04	1.67E-03	7.74E-07	6.42E-07 JT	1.83E-06 JT	1.32E-06 JT	9.42E-07 JT	1.46E-06 JT	1.38E-07 U	1.57E-05	1.26E-06 JT	5.63E-05
EB-45	EB-45-7.5	6/10/2013	7 - 8	2.06E-07 JT	1.36E-06 JT	2.59E-06	1.11E-05	3.90E-06	4.33E-04	5.08E-03	3.59E-06	6.86E-06	1.84E-05	2.14E-05	2.09E-05	2.51E-05	1.80E-07 U	1.45E-04	1.60E-05	2.85E-04
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	6.81E-08 U	1.01E-07 U	1.21E-07 EMPC	3.85E-07 EMPC	2.74E-07	1.76E-05	1.89E-04	5.64E-08 U	7.11E-08 U	1.89E-07 EMPC	1.72E-07 JT	1.19E-07 EMPC	2.04E-07 JT	8.06E-08 U	2.05E-06 JT	1.92E-07 JT	8.16E-06
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	6.66E-08 U	1.50E-07 JT	2.92E-07 JT	1.66E-06 JT	5.96E-07 JT	9.46E-05	1.33E-03	3.28E-07 JT	1.73E-07 EMPC	4.06E-07 EMPC	5.47E-07 JT	2.65E-07 JT	3.70E-07 JT	1.00E-07 U	8.19E-06	1.05E-06 EMPC	4.15E-05
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	5.17E-08 U	4.84E-08 U	6.01E-08 U	6.42E-08 U	1.43E-07 JT	5.04E-07 JT	3.71E-06 JT	3.03E-08 U	3.37E-08 U	3.52E-08 U	3.58E-08 U	3.29E-08 U	3.52E-08 U	4.46E-08 U	7.38E-08 JT	6.16E-08 U	8.40E-08 U
EMW-3S	EMW-3S-7.5	6/11/2013	7 - 8	1.27E-07 EMPC	6.60E-07 JT	1.29E-06 JT	5.51E-06	2.55E-06	1.65E-04	1.94E-03	3.43E-07 EMPC	3.69E-07 EMPC	1.09E-06 JT	1.34E-06 JT	8.21E-07 JT	1.40E-06 JT	1.35E-07 U	2.53E-05	1.90E-06 JT	1.25E-04
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	4.87E-07 JT	1.92E-06 JT	1.97E-06 JT	7.44E-06	2.31E-06 JT	1.35E-04	1.06E-03	2.41E-06	1.18E-06 JT	2.69E-06	1.47E-06 JT	1.07E-06 JT	1.91E-06 JT	1.16E-07 JT	1.63E-05	1.42E-06 JT	5.07E-05
EMW-3S	EMW-3S-12.5	6/11/2013	12.5 - 13	7.26E-08 U	1.31E-07 JT	1.95E-07 EMPC	7.54E-07 EMPC	5.15E-07 JT	1.84E-05	1.55E-04	2.76E-07 EMPC	7.29E-07 JT	9.61E-07 JT	4.30E-07 JT	3.42E-07 JT	6.12E-07 JT	1.07E-07 U	2.94E-06	1.55E-07 EMPC	5.68E-06
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	5.94E-08 U	1.00E-07 U	9.29E-08 U	2.02E-07 JT	1.66E-07 EMPC	3.13E-06	2.19E-05	5.89E-08 U	7.44E-08 U	6.91E-08 U	8.80E-08 JT	6.67E-08 EMPC	6.01E-08 EMPC	6.34E-08 U	4.68E-07 JT	7.34E-08 U	8.20E-07 JT
EMW-5S	EMW-5S-2.5	6/13/2013	2 - 3	8.60E-07	2.83E-06	4.03E-06	1.39E-05	7.15E-06	6.17E-04	1.79E-02 E	3.34E-06	1.16E-06 JT	5.21E-06	5.69E-06	2.85E-06	4.82E-06	3.47E-07 JT	9.54E-05	7.44E-06	1.66E-04
EMW-5S	EMW-5S-6.5	6/13/2013	6 - 7	3.82E-06	1.36E-05	1.04E-05	1.19E-05	9.36E-07	5.81E-05	2.08E-04	2.04E-05	9.89E-06	1.97E-05	8.87E-06	7.18E-06	9.21E-06	5.55E-07 JT	7.54E-05	1.76E-06 JT	2.81E-05
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	6.63E-08 U	9.23E-08 U	8.25E-08 U	8.37E-08 U	1.51E-07 JT	7.39E-07 JT	6.03E-06	5.63E-08 U	6.42E-08 U	6.06E-08 U	6.19E-08 U	5.82E-08 U	5.94E-08 U	7.14E-08 U	5.10E-08 U	6.26E-08 U	1.07E-07 U
EMW-6S	EMW-6S-2.5	6/11/2013	2 - 3	5.08E-07	7.23E-06	1.12E-05	3.14E-05	2.35E-05	3.94E-04	1.38E-03	3.76E-06	4.54E-06	1.38E-05	1.74E-05	7.08E-06	8.10E-06	2.00E-07 U	4.94E-05	2.06E-06 JT	2.16E-05
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	1.74E-06	5.69E-06	5.75E-06	7.63E-06	3.78E-06	6.65E-05	4.03E-04	6.62E-06	2.49E-06	7.96E-06	2.55E-06	2.53E-06	4.03E-06	3.68E-07 JT	2.41E-05	8.68E-07 JT	2.07E-05
EMW-6S	EMW-6S-7.5	6/11/2013	7 - 8	8.99E-08 U	9.97E-08 U	1.03E-07 U	9.88E-08 U	1.26E-07 JT	4.56E-07 JT	2.78E-06 JT	6.25E-08 U	5.95E-08 U	5.50E-08 U	6.05E-08 U	5.96E-08 U	6.18E-08 U	6.99E-08 U	4.61E-08 U	6.09E-08 U	1.34E-07 U
EMW-9S	EMW-9S-1.0	6/12/2013	0.5 - 1.5	9.11E-08 U	1.08E-07 U	1.08E-07 U	2.55E-07 JT	1.61E-07 JT	6.08E-06	6.52E-05	8.38E-08 U	1.07E-07 U	1.07E-07 U	8.06E-08 U	8.08E-08 U	8.32E-08 U	1.11E-07 U	7.31E-07 JT	1.08E-07 U	1.91E-06 U
EMW-9S	EMW-9S-5.0	6/12/2013	4.5 - 5.5	2.35E-07 JT	1.19E-06 JT	9.10E-06	3.33E-05	8.03E-06	2.39E-03	3.31E-02 E	5.25E-06	7.14E-07 JT	1.70E-06 JT	5.54E-06	1.79E-06 JT	3.67E-06	1.22E-07 U	1.56E-04	2.13E-05	9.05E-04

Location	Sample ID	Sample Date	Sample Depth (Feet)	Total Dioxin/Furan Compounds								Toxicity Equivalence	
				Total TCDD (mg/kg)	Total PeCDD (mg/kg)	Total HxCDD (mg/kg)	Total HpCDD (mg/kg)	Total TCDF (mg/kg)	Total PeCDF (mg/kg)	Total HxCDF (mg/kg)	Total HpCDF (mg/kg)	2,3,7,8-TCDD TEQ (U = 1/2 MRL) (mg/kg)	2,3,7,8-TCDD TEQ (U = 0) (mg/kg)
Preliminary Soil Cleaunup Levels[a] (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	1.10E-05	1.10E-05
Preliminary Soil Screening Levels[b] (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	5.20E-06	5.20E-06
2013 Practical Quantitation Limits (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	1.20E-07	1.20E-07
EB-14	EB-14-1.0	6/17/2013	0.5 - 1.5	4.53E-06	1.17E-05	5.72E-05	2.42E-04	2.64E-05	4.82E-05	5.38E-05	4.62E-05	**7.97E-06**	**7.97E-06**
EB-14	EB-14-5.0	6/17/2013	4.5 - 5.5	1.20E-06	1.25E-06	3.02E-06	7.04E-06	5.28E-06	1.62E-06	7.43E-07	1.18E-06	3.93E-07	3.87E-07
EB-28	EB-28-1.0	6/10/2013	0.5 - 1.5	3.17E-07 U	1.53E-07 U	2.56E-07	3.88E-06	4.76E-07	1.25E-07 U	2.57E-07	8.29E-07	2.48E-07	2.64E-08
EB-28	EB-28-5.0	6/10/2013	4.5 - 5.5	2.08E-05	2.82E-05	1.24E-04	1.16E-03	3.66E-05	5.82E-05	1.18E-04	3.19E-04	**1.93E-05**	**1.93E-05**
EB-28	EB-28-7.5	6/10/2013	7 - 8	1.10E-05	1.88E-05	2.35E-05	1.56E-05	1.78E-05	1.10E-05	1.34E-06	2.72E-06 U	2.11E-06	6.51E-07
EB-28	EB-28-10.0	6/10/2013	9.5 - 10.5	9.67E-08	1.30E-07 U	4.54E-07	6.45E-07	8.31E-08	7.56E-08 U	7.16E-08 U	6.83E-08 U	1.55E-07	7.00E-11
EB-45	EB-45-5.0	6/10/2013	4.5 - 5.5	1.10E-05	1.15E-05	2.75E-05	2.53E-04	1.72E-05	2.11E-05	2.62E-05	6.12E-05	4.39E-06	4.34E-06
EB-45	EB-45-7.5	6/10/2013	7 - 8	1.08E-05	1.45E-05	7.65E-05	7.19E-04	1.13E-04	1.64E-04	2.15E-04	3.57E-04	**2.37E-05**	**2.37E-05**
EB-45	EB-45-10.0	6/10/2013	9.5 - 10.5	1.63E-07	1.43E-07	2.19E-06	2.94E-05	1.13E-06	2.09E-06	3.24E-06	7.98E-06	4.38E-07	3.23E-07
EB-46	EB-46-1.0	6/14/2013	0.5 - 1.5	4.48E-07	1.48E-06	9.00E-06	1.53E-04	4.00E-06	3.59E-06	7.29E-06	3.37E-05	2.05E-06	1.99E-06
EB-46	EB-46-8.0	6/14/2013	7.5 - 8.5	9.44E-08	1.03E-07	7.03E-07	5.04E-07	2.00E-07	3.44E-08 U	3.68E-08 U	7.38E-08 U	9.20E-08	2.05E-08
EMW-3S	EMW-3S-7.5	6/11/2013	7 - 8	8.04E-07	3.61E-06	4.16E-05	4.20E-04	3.71E-06	1.26E-05	3.45E-05	1.06E-04	4.87E-06	4.82E-06
EMW-3S	EMW-3S-10.0	6/11/2013	9.5 - 10.5	7.38E-05	4.92E-05	4.42E-05	2.34E-04	5.10E-05	3.13E-05	2.85E-05	7.26E-05	**6.98E-06**	**6.98E-06**
EMW-3S	EMW-3S-12.5	6/11/2013	12.5 - 13	7.14E-07	6.16E-07	4.05E-06	3.58E-05	6.09E-06	1.22E-05	8.89E-06	9.21E-06	9.53E-07	8.92E-07
EMW-5S	EMW-5S-1.0	6/13/2013	0.5 - 1.5	5.49E-08 U	1.00E-07 U	4.65E-07	5.67E-06	8.67E-08 U	2.68E-07 U	6.86E-07	9.96E-07	1.84E-07	7.18E-08
EMW-5S	EMW-5S-2.5	6/13/2013	2 - 3	9.74E-06	2.15E-05	9.29E-05	1.38E-03	4.58E-05	7.12E-05	1.49E-04	3.89E-04	**2.21E-05**	**2.21E-05**
EMW-5S	EMW-5S-6.5	6/13/2013	6 - 7	5.67E-04	4.15E-04	2.16E-04	1.04E-04	4.43E-04	2.52E-04	1.18E-04	1.27E-04	**3.32E-05**	**3.32E-05**
EMW-5S	EMW-5S-10.0	6/13/2013	9.5 - 10.5	2.31E-07	1.33E-07	3.97E-07	1.85E-06	2.51E-07 U	6.24E-08 U	6.24E-08 U	5.64E-08 U	1.38E-07	2.43E-08
EMW-6S	EMW-6S-2.5	6/11/2013	2 - 3	7.18E-06	3.90E-05	2.11E-04	6.95E-04	7.17E-05	1.43E-04	1.68E-04	9.79E-05	**2.71E-05**	**2.71E-05**
EMW-6S	EMW-6S-5.0	6/12/2013	4.5 - 5.5	1.13E-04	1.08E-04	9.90E-05	1.32E-04	1.35E-04	9.35E-05	5.22E-05	4.61E-05	**1.43E-05**	**1.43E-05**
EMW-6S	EMW-6S-7.5	6/11/2013	7 - 8	8.99E-08 U	9.97E-08 U	1.26E-07	9.84E-07	6.25E-08 U	5.73E-08 U	6.27E-08 U	5.31E-08 U	1.48E-07	1.80E-08
EMW-9S	EMW-9S-1.0	6/12/2013	0.5 - 1.5	9.11E-08 U	1.08E-07	1.26E-06	1.09E-05	8.38E-08 U	3.04E-07	1.43E-06	2.57E-06	2.75E-07	1.30E-07
EMW-9S	EMW-9S-5.0	6/12/2013	4.5 - 5.5	5.15E-06	9.62E-06	2.23E-04	3.59E-03	2.04E-05	1.34E-05	1.29E-04	7.71E-04	**4.45E-05**	**4.45E-05**

Notes:

Detected values in bold and highlighted in orange exceed the preliminary soil cleanup levels

Detected values in bold and highlighted in yellow exceed the preliminary soil screening levels

mg/kg = milligrams per kilogram.

NV = No value available.

U = The laboratory report noted that the analyte was not detected at or above the reported result

JT = The laboratory report noted that the analyte was positively identified and the reported result is an estimate below the associated quantitation limit, but above the method detection lim

EMPC = The laboratory report noted that the signal/noise ratio was not sufficient for peak identification or there was a co-eluting interference

[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.

[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is highe

Table 9
Goundwater Sample Analytical Results - Total Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Zinc (µg/L)	Total Suspended Solids (mg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**3.87**	**0.87**	**122**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
Preliminary Groundwater Screening Levels[b] (µg/L)			**3.87**	**0.87**	**2.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.052**	**0.15**	**0.25**	**0.098**	**0.094**	**0.14**	**0.34**	**0.14**	**0.00015**	**0.36**	**0.56**	**0.064**	**0.074**	**0.61**	**NV**
Groundwater Samples																	
CMW-1	CMW-1-061708	6/17/2008	NA	**6.59**	**14.2**	NA	1 U	1 U	**25.2**	1 U	0.2 U	NA	**24.6**	1 U	NA	NA	NA
CMW-1	CMW-1-071508	7/15/2008	NA	**2**	**38**	NA	2 U	3	10 U	2 U	1 U	NA	**24**	10 U	NA	NA	NA
CMW-1	CMW-1-082311	8/23/2011	2.47	**41**	NA	2.9 U	2.5 U	10 U	**70.5**	3.4 U	0.004 U	**10.7**	200 U	2.2 U	2.1 U	**59.7**	NA
CMW-1	CMW-1-0713	7/11/2013	0.72	**26.5**	**65.1**	0.98 U	0.25 UJ	2.25	**33.5**	0.14 UJ	0.0015 U	**8.24**	**100**	0.20 E	0.074 UJ	**47**	10 U
CMW-1	CMW-1-092513	9/25/2013	1.25 UJ	**25.1** IP	**86.5**	0.98 U	0.094 UJ	2.18	**4.01**	0.38 E	0.0031	7.51	**89.4** IP	0.95	0.074 UJ	**62.5**	22
CMW-1	CMW-1-100213	10/2/2013	1.01	**38.4** IP	**82.8**	0.98 U	0.094 UJ	1.38 U	**6.18**	0.18 E	0.0016	7.91	**110** IP	0.64	0.074 UJ	**51.1**	9.7 U
CMW-2	CMW-2-061708	6/17/2008	NA	**41**	**17.1**	NA	1 U	1.85	**9.16**	**2.26**	0.2 U	NA	**9.7**	1 U	NA	NA	NA
CMW-2	CMW-2-082311	8/23/2011	**7.12**	**90.6**	NA	2.9 U	2.5 U	10 U	**43.7**	3.4 U	0.004 U	7.49	200 U	2.2 U	2.1 U	10 U	NA
CMW-2	CMW-2-0713	7/12/2013	**5.42**	**68.6**	**122**	0.098 U	0.25 U	1.45	**18.7**	0.18	0.0018	3.15	**49.5**	0.064 U	0.074 U	3.2	10 U
CMW-2	CMW-2-092413	9/24/2013	2.34 E	**19.7** IP	**101**	0.98 U	0.094 UJ	3	**3.34** E	**0.72** E	0.0024	4.6 U	**58.8** IP	0.64 U	0.074 UJ	6.18 E	9.7 U
CMW-2	CMW-2-100113	10/1/2013	**7**	**46.5** IP	**59.7**	0.098 U	0.094 U	1.64	**3.5**	**1.04**	0.0046	1.76	**19.4** IP	0.064 U	0.074 U	5.2	9.7 U
CMW-3	CMW-3-061708	6/17/2008	NA	**30.5**	**30.3**	NA	1 U	1.63	**17.8**	**1.99**	0.2 U	NA	**17.6**	1 U	NA	NA	NA
CMW-3	CMW-3-0713	7/12/2013	2.43	**23.6**	**58.9**	0.098 U	0.25 U	0.99	**12.7**	0.32	0.0026	2.21	**34.1**	0.064 U	0.074 U	3.43	10 U
CMW-3	CMW-3-092413	9/24/2013	1.25 UJ	**29.2** IP	**271**	0.98 U	0.094 UJ	2.63	**3.53** E	**1.11** E	0.0043	6.72	**69.1** IP	0.64 U	0.074 UJ	8.64 E	9.7 U
CMW-3	CMW-3-093013	9/30/2013	**5.52**	**26.6** IP	**269**	0.98 U	0.094 UJ	2.45	**7.17**	**0.62** E	0.0027	5.89	**60.3** IP	0.64 U	0.074 UJ	6 U	9.7 U
CMW-4	CMW-4-061708	6/17/2008	NA	**177**	**64.2**	NA	1 U	1.03	**46.1**	**1.03**	0.2 U	NA	**41.9**	1 U	NA	NA	NA
CMW-4	CMW-4-071508	7/15/2008	NA	**170**	**85**	NA	2 U	7	**4**	**3**	1 U	NA	**19**	10 U	NA	NA	NA
CMW-4	CMW-4-0713	7/11/2013	**26.2**	**229**	**105**	0.98 U	**0.32** E	3.36	**22.7**	**2.38**	**0.0059**	5.44	**49.1**	0.064 UJ	0.074 UJ	10.7	13
CMW-4	CMW-4-092513	9/25/2013	**34.4**	**244** IP	**390**	0.98 U	0.094 UJ	9.44	**29**	**28**	**0.037**	**14**	**66.5** IP	0.64 U	0.074 UJ	**133**	130
CMW-4	CMW-4-100313	10/3/2013	**25.5**	**225** IP	**381**	0.98 U	0.094 UJ	1.78	**7.27**	0.25 E	0.0024	**9.15**	**89.8** IP	0.64 U	0.074 UJ	11.7	13
CMW-5	CMW-5-061708	6/17/2008	NA	**62.3**	**20**	NA	1 U	1 U	1 U	1 U	0.2 U	NA	3.13	2 U	NA	NA	NA
CMW-5	CMW-5-071508	7/15/2008	NA	**66**	**24**	NA	2 U	20	10 U	2 U	1 U	NA	**20**	10 U	NA	NA	NA
CMW-5	CMW-5-0713	7/12/2013	0.26	**68.7**	**25.6**	0.098 U	0.25 U	1.47	0.87	0.14 U	0.0019	1.63	2.41	0.064 U	0.074 U	1.29	42.4
CMW-5	CMW-5-092413	9/24/2013	1.25 U	**59** IP	**23.6**	0.098 U	0.094 U	1.65	1.25 U	0.14 U	0.0015 U	1.43	1.17 IP	0.064 U	0.074 U	2.5 U	24
CMW-5	CMW-5-093013	9/30/2013	0.16	**68.9** IP	**25.1**	0.098 U	0.094 U	1.9	0.34 U	0.14 U	0.0015	1.57	2.22 IP	0.064 U	0.074 U	0.6 U	43
CMW-6	CMW-6-061708	6/17/2008	NA	**21.4**	**56.6**	NA	2 U	3.56	**26.8**	2 U	0.2 U	NA	**58**	1 U	NA	NA	NA
CMW-6	CMW-6-071508	7/15/2008	NA	**18**	**91**	NA	2 U	**90**	**110**	**5**	1 U	NA	**40**	10 U	NA	NA	NA
CMW-6	CMW-6-0713	7/12/2013	**22.1**	**79.3**	**105**	0.98 U	0.25 E	3.34	**44.6**	0.14 UJ	0.0034	7.61	**97.9**	0.14 E	0.074 UJ	**40.2**	10 U
CMW-6	CMW-6-092513	9/25/2013	**23.9**	**75.3** IP	**121**	0.98 U	0.094 UJ	4.44	**17.7**	0.14 UJ	0.0031	6.4	**68.1** IP	0.64 U	0.074 UJ	**38.9**	9.7 U
CMW-6	CMW-6-100113	10/1/2013	**29.5**	**71.7** IP	**94.9**	0.98 U	0.094 UJ	2.98	**18.9**	0.14 UJ	0.0033	4.86	**64.8** IP	0.64 U	0.074 UJ	29.7	9.7 U
CMW-7	CMW-7-061708	6/17/2008	NA	**6.22**	**14.4**	NA	1 U	1 U	**6.15**	1 U	0.2 U	NA	**8.2**	1 U	NA	NA	NA
CMW-7	CMW-7-071508	7/15/2008	NA	2 U	**10**	NA	2 U	3	10 U	2 U	1 U	NA	10 U	10 U	NA	NA	NA
CMW-7	CMW-7-0713	7/12/2013	0.32	**2.31**	**13.9**	0.10 U	0.25 U	0.50	**3.85**	0.14 U	0.0016	1.98	**6.33**	0.064 U	0.074 U	0.94	10 U
CMW-7	CMW-7-092613	9/26/2013	1.25 U	**4.31** IP	**53**	0.098 U	0.094 U	1.03	**10.5**	0.14 U	0.0015	3.8	**15** IP	0.064 U	0.074 U	2.5 U	10 U
CMW-7	CMW-7-100213	10/2/2013	0.27	**4.12** IP	**32.9**	0.10 U	0.09 U	0.37	**2.45**	0.14 U	0.002	6.35	**10.6** IP	0.064 U	0.074 U	5.75	9.70 U
DMW2	DMW-2-042790	4/27/1990	NA	**7**	NA	NA	2 U	5 U	2 U	30 U	NA	10 U	NA	NA	NA	**44**	NA
DMW2	DMW-2-0713	7/12/2013	0.089	**5.43**	**14.8**	0.098 U	0.25 U	5.81	1.21	**0.62**	0.0015 U	1.87	0.57	0.064 U	0.074 U	5.7	10 U
DMW2	DMW-2-092313	9/23/2013	1.25 U	**7.47** IP	**12.1**	0.098 U	0.094 U	2.78	2 U	**2.04**	0.0015 U	1.25	0.56 U	0.064 U	0.074 U	6.2	10 U
DMW2	DMW-2-093013	9/30/2013	0.061	**4.74** IP	**11.1**	0.098 U	0.094 U	2.04	0.34 U	**0.76**	0.0015 U	1	0.56 U	0.064 U	0.074 U	3.14	9.7 U
DMW3	DMW-3-042790	4/27/1990	NA	7 U	NA	NA	2 U	5 U	2 U	30 U	NA	**10**	NA	NA	NA	11	NA
DMW3	DMW-3-0713	7/12/2013	0.063	**4.78**	**12.9**	0.098 U	0.25 U	1.06	0.46	0.14 U	0.0015 U	0.71	0.69	0.064 U	0.074 U	0.61	26
DMW3	DMW-3-092313	9/23/2013	1.25 U	**5.41** IP	**12.7**	0.098 U	0.094 U	1.69	2 U	0.14 U	0.0015 U	0.76	0.56 U	0.064 U	0.074 U	2.5 U	24
DMW3	DMW-3-093013	9/30/2013	0.073	**5.31** IP	**12.6**	0.098 U	0.094 U	1.26	0.34 U	0.14 U	0.0015 U	0.73	0.56 U	0.064 U	0.074 U	0.6 U	16
DMW6	DMW-6-043090	4/30/1990	NA	**9**	NA	NA	2 U	5 U	**3**	30 U	NA	10 U	NA	NA	NA	23	NA
DMW6	DMW6-090490	9/4/1990	NA	**18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW6	DMW-6-0713	7/11/2013	0.52 U	**54.2**	**15.7**	0.98 U	0.25 U	1.38 U	3.4 U	0.20	0.0015 U	4.6 U	0.66	0.64 U	0.074 U	6 U	10 U
DMW6	DMW-6-092313	9/23/2013	1.25 U	**41.1** IP	**11.8**	0.098 U	0.094 U	1.49	2 U	0.14 U	0.0015 U	0.60	0.56 U	0.064 U	0.074 U	2.5 U	10 U
DMW6	DMW-6-100213	10/2/2013	0.068	**56.1** IP	**11.6**	0.098 U	0.094 U	1.63	0.52	0.17	0.0015 U	0.57	3.13 IP	0.064 U	0.074 U	2.91	9.7 U

Table 9
Goundwater Sample Analytical Results - Total Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Zinc (µg/L)	Total Suspended Solids (mg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**3.87**	**0.87**	**122**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
Preliminary Groundwater Screening Levels[b] (µg/L)			**3.87**	**0.87**	**2.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.052**	**0.15**	**0.25**	**0.098**	**0.094**	**0.14**	**0.34**	**0.14**	**0.00015**	**0.36**	**0.56**	**0.064**	**0.074**	**0.61**	**NV**
EMW-1S	EMW-1S-0713	7/11/2013	0.27	**11.7**	**32.7**	0.098 U	0.25 UJ	1.18	0.34 U	**0.57**	0.0014	2.1	0.56 U	0.064 U	0.074 U	8.2	36.4
EMW-1S	EMW-1S-092313	9/23/2013	1.25 U	**19.1** IP	**37.8**	0.098 U	0.094 U	2.53	2 U	**2.59**	0.0032	1.71	0.56 U	0.064 U	0.074 U	11.4	130
EMW-1S	EMW-1S-093013	9/30/2013	0.14	**14.3** IP	**30.3**	0.098 U	0.094 U	1.13	0.34 U	0.37	0.0015 U	1.11	0.58 IP	0.064 U	0.074 U	4.49	17
EMW-2S	EMW-2S-0713	7/12/2013	0.40	**1.47**	**8.25**	0.098 U	**0.56**	0.67	0.90	0.14 U	0.0015 U	0.96	0.56 U	0.064 U	0.074 U	1.11	10 U
EMW-2S	EMW-57S-0713(dupl.)	7/12/2013	0.11	**1.68**	**8.03**	0.098 U	0.094 UJ	0.88	0.34 U	0.14 U	0.0015 U	1.34	1.61	0.064 U	0.074 U	1.42	10 U
EMW-2S	EMW-2S-092313	9/23/2013	1.25 U	**0.96** IP	**9.37**	0.098 U	0.094 U	1.53	2 U	0.14 U	0.0015 U	1.05	0.56 U	0.064 U	0.074 U	2.5 U	10 U
EMW-2S	EMW-2S-100313	10/3/2013	0.052 U	**2.03** IP	**7.44**	0.098 U	0.094 U	0.88	0.40	0.14 U	0.0015 U	0.73	0.81 IP	0.064 U	0.074 U	0.6 U	11
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	0.052 U	**1.69** IP	**7.32**	0.098 U	0.094 U	0.96	1.55	0.14 U	0.0015 U	2.68	0.86 IP	0.064 U	0.074 U	1.66	9.7 U
EMW-3S	EMW-3S-0713	7/11/2013	0.72	**15**	**117**	0.10 U	**0.27** E	0.90	**20.6**	0.14 U	0.0015 U	7.12	**51.2**	0.064 U	0.074 U	**43**	11
EMW-3S	EMW-3S-092513	9/25/2013	1.25 UJ	**26.8** IP	**200**	0.98 U	0.094 UJ	3.55	**4.95**	**0.61** E	**0.0072**	8.12	**70.8** IP	1.06	0.074 UJ	**86.7**	9.7 U
EMW-3S	EMW-3S-100113	10/1/2013	0.81	**14** IP	**157**	0.98 U	0.094 UJ	1.61	**8**	0.14 UJ	0.0015 U	7.03	**53.9** IP	0.64 U	0.074 UJ	**47**	9.7 U
EMW-4D	EMW-4D-0713	7/11/2013	0.19	**14.9**	**128**	0.10 U	0.25 UJ	0.95	**15.9**	0.14 U	0.0015 U	3.41	**51.1**	0.064 U	0.074 U	1.03	38
EMW-4D	EMW-4D-092513	9/25/2013	1.25 UJ	**9.08** IP	**112**	0.98 U	0.094 UJ	1.65	0.34 U	0.14 U	0.0015 U	4.60 U	**32.6** IP	0.64 U	0.074 U	25 U	29
EMW-4D	EMW-4D-100113	10/1/2013	0.13 E	**11.4** IP	**154**	0.98 U	0.094 UJ	1.64	**5.1**	0.44 E	0.0015 U	4.60 U	**44.2** IP	0.64 U	0.074 UJ	6 U	48
EMW-5S	EMW-5S-0713	7/12/2013	0.082	**3.12**	**20.4**	0.098 U	0.25 U	1.69	1.76	0.37	0.0029	2.85	0.95	0.064 U	0.074 U	3.51	43
EMW-5S	EMW-5S-092413	9/24/2013	1.25 U	**2.15** IP	**16.8**	0.098 U	0.094 U	0.98	1.25 U	0.14 U	0.0015 U	1.84	0.65 IP	0.064 U	0.074 U	2.5 U	9.7 U
EMW-5S	EMW-89S-092413(dupl.)	9/24/2013	1.25 U	**2.18** IP	**16.9**	0.098 U	0.094 U	1.05	1.25 U	0.14 U	0.0015 U	1.82	0.72 IP	0.064 U	0.074 U	2.5 U	9.7 U
EMW-5S	EMW-5S-100213	10/2/2013	0.059	**2.81** IP	**15.4**	0.098 U	0.094 U	0.78	0.72	0.14 U	0.0015 U	2.02	0.95 IP	0.064 U	0.074 U	1.05	9.7 U
EMW-6S	EMW-6S-0713	7/10/2013	0.18	**2.45**	**14.3**	0.098 U	0.25 UJ	0.71	1.37	0.26	0.0012	3.28	0.56 U	0.064 U	0.074 U	2.2	10 U
EMW-6S	EMW-6S-092313	9/23/2013	1.25 U	**2.03** IP	**19.9**	0.098 U	0.094 U	1.26	2 U	0.14 U	0.0015 U	1.27	0.56 U	0.064 U	0.074 U	2.5 U	10 U
EMW-6S	EMW-6S-100213	10/2/2013	1.58	**1.28** IP	**7.59**	0.098 U	0.094 U	0.37	1.44	0.14 U	0.0015 U	0.98	0.68 IP	0.064 U	0.074 U	0.79	9.7 U
EMW-7S	EMW-7S-0713	7/11/2013	0.052 UJ	**1.72**	**16.3**	0.098 U	0.25 UJ	0.99	0.68	0.16	0.00093	1.5	0.56 U	0.064 U	0.074 U	1.69	20.5
EMW-7S	EMW-7S-092313	9/23/2013	1.25 U	**3.38** IP	**15.1**	0.098 U	0.094 U	1.5	2 U	0.17	0.0015 U	0.99	0.56 U	0.064 U	0.074 U	2.5 U	10 U
EMW-7S	EMW-7S-100213	10/2/2013	0.065	**2.51** IP	**12.7**	0.098 U	0.094 U	0.95	0.46	0.18	0.0015 U	0.92	0.84 IP	0.064 U	0.074 U	0.6 U	9.7 U
EMW-8S	EMW-8S-0713	7/12/2013	2.78	**8.59**	**34.1**	0.098 U	**0.34**	0.24	0.47	0.14 U	0.0015 U	1.61	0.56 U	0.064 U	0.074 U	1.34	10 U
EMW-8S	EMW-8S-092413	9/24/2013	1.25 U	**44** IP	**41.3**	0.098 U	0.094 U	2.16	1.25 U	0.14 U	0.0015 U	1.5	1.32 IP	0.064 U	0.074 U	6.03	9.7 U
EMW-8S	EMW-8S-100313	10/3/2013	0.17	**36.5** IP	**39.5**	0.098 U	0.094 U	2	0.47	0.14 U	0.0015 U	1.36	0.84 IP	0.064 U	0.074 U	1.85	9.7 U
EMW-9S	EMW-9S-0713	7/12/2013	0.48	**16.3**	**59.3**	0.098 U	0.25 U	1.06	0.43	0.14 U	0.0015 U	0.89	0.56 U	0.064 U	0.074 U	3.03	10 U
EMW-9S	EMW-9S-092313	9/23/2013	1.25 U	**25.6** IP	**64.4**	0.098 U	0.094 U	1.69	2 U	0.14 U	0.0015 U	0.91	0.56 U	0.064 U	0.074 U	3.63	10 U
EMW-9S	EMW-9S-093013	9/30/2013	0.32	**17.5** IP	**56.6**	0.098 U	0.094 U	1.4	0.34 U	0.14 U	0.0015 U	0.77	0.96 IP	0.064 U	0.074 U	2.05	9.7 U
EMW-10D	EMW-10D-0713	7/10/2013	0.052 UJ	**8.07**	**94.7**	0.098 U	**0.32**	0.78	**13.3**	0.14 U	0.00033	1.7	**31.3**	0.064 U	0.074 U	0.98	60.4
EMW-10D	EMW-56D-0713(dupl.)	7/10/2013	0.052 UJ	**8.07**	**92.3**	0.098 U	0.25 UJ	0.83	**15.2**	0.14 U	0.00019	1.79	**31.1**	0.064 U	0.074 U	0.67	60
EMW-10D	EMW-10D-092513	9/25/2013	1.25 UJ	**8.13** IP	**104**	0.98 U	0.094 UJ	1.38 U	0.34 U	0.14 UJ	0.0015 U	4.6 U	**31.4** IP	0.64 U	0.074 UJ	25 U	41
EMW-10D	EMW-56D-092513(dupl.)	9/25/2013	1.25 UJ	**8.72** IP	**102**	0.98 U	0.094 UJ	1.38 U	0.34 U	0.14 U	0.0015 U	4.6 U	**32** IP	0.64 U	0.074 U	25 U	49
EMW-10D	EMW-10D-100113	10/1/2013	0.052 U	**7.23** IP	**93**	0.098 U	0.094 U	0.94	0.39	0.14 U	0.0015 U	1.66	**28.9** IP	0.064 U	0.074 U	0.6 U	24
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	0.052 U	**7.48** IP	**90.9**	0.098 U	0.094 U	1.03	0.36	0.14 U	0.0015 U	1.65	**30.1** IP	0.064 U	0.074 U	0.6 U	23
EMW-11S	EMW-11S-0713	7/11/2013	0.43	**1.34**	**152**	0.098 U	0.25 U	0.45	1.73	0.15	0.0019	3.04	0.56 U	0.064 U	0.074 U	9	10 U
EMW-11S	EMW-11S-092313	9/23/2013	1.25 U	**4.42** IP	**218**	0.098 U	0.094 U	1.29	2 U	0.17	0.0016	4.04	0.56 U	0.064 U	0.074 U	14.5	10 U
EMW-11S	EMW-11S-093013	9/30/2013	0.44	**4.38** IP	**469**	0.098 U	0.094 U	1.69	**3.59**	**3**	**0.012**	3.82	0.56 U	0.064 U	0.074 U	21.5	28
EMW-12S	EMW-12S-0713	7/12/2013	0.51	0.32	**8.84**	0.098 U	0.25 U	0.21	1.32	0.43	0.0015 U	3.09	0.74	0.064 U	0.074 U	2.05	10 U
EMW-12S	EMW-12S-092413	9/24/2013	1.25 U	0.32 IP	**10.3**	0.098 U	0.094 U	0.60	1.25 U	0.14 U	0.0015 U	3.34	0.56 U	0.064 U	0.074 U	2.5 U	9.7 U
EMW-12S	EMW-12S-100313	10/3/2013	0.53	**1.10** IP	**9.61**	0.10 U	0.094 U	0.18	1.60	0.14 U	0.0015 U	2.77	0.89 IP	0.064 U	0.07 U	0.92	9.7 U
EMW-13S	EMW-13S-0713	7/11/2013	**31.4**	**271**	**160**	0.98 U	0.25 UJ	4.25	**35.3**	**2.88**	0.0029	7.33	**84.6**	0.064 UJ	0.074 UJ	18.6	10 U
EMW-13S	EMW-13S-092513	9/25/2013	**7.94** E	**40.4** IP	**27.4**	0.98 U	0.094 UJ	2.73	**7.97**	**0.75** E	0.0015 U	4.6 U	**55** IP	0.064 U	0.074 UJ	25 U	9.7 U
EMW-13S	EMW-13S-100113	10/1/2013	**19.6**	**289** IP	**250**	0.98 U	0.094 UJ	1.63	**10.7**	**1.06** E	0.002	4.77	**61.6** IP	0.064 U	0.074 UJ	6 U	9.7 U
EMW-14D	EMW-14D-0713	7/11/2013	0.21	**11**	**55.2**	0.10 U	0.25 UJ	0.98	**9.77**	0.14 U	0.0015 U	1.89	**34**	0.064 U	0.074 U	2.78	20
EMW-14D	EMW-14D-092513	9/25/2013	1.25 UJ	**14.6** IP	**216**	0.98 U	0.094 UJ	1.46	1.16 E	0.14 UJ	0.0015 U	4.6 U	**51.1** IP	0.64 U	0.074 UJ	25 U	30
EMW-14D	EMW-14D-093013	9/30/2013	0.15 E	**13.8** IP	**253**	0.98 U	0.094 UJ	1.38 U	**5.19**	0.14 UJ	0.0015 U	4.60 U	**53.8** IP	0.64 U	0.074 UJ	6 U	36
EMW-15D	EMW-15D-0713	7/11/2013	0.52 UJ	**18.1**	**63.2**	0.98 U	0.25 UJ	2.34	**19.2**	0.14 U	0.0015 U	4.63	**62**	0.064 UJ	0.074 U	6 U	16
EMW-15D	EMW-15D-092513	9/25/2013	1.25 UJ	**11.7** IP	**74.7**	0.98 U	0.094 UJ	2.03	0.93 E	0.14 UJ	0.0015 U	4.6 U	**45.7** IP	0.64 U	0.074 UJ	25 U	20
EMW-15D	EMW-15D-100113	10/1/2013	0.085 E	**11.5** IP	**76.4**	0.98 U	0.094 UJ	1.38	**5.18**	0.14 U	0.0015 U	4.6 U	**47.3** IP	0.64 U	0.074 U	6 U	19
EMW-16D	EMW-16D-0713	7/11/2013	0.52 UJ	**47.6**	**203**	0.98 U	0.25 UJ	2.33	**51.6**	0.14 UJ	0.0015 U	**10.5**	**176**	0.064 UJ	0.074 UJ	6 U	28
EMW-16D	EMW-16D-092413	9/24/2013	1.25 UJ	**34.9** IP	**249**	0.98 U	0.094 UJ	1.93	**2.62** E	0.14 UJ	0.0015 U	**8.64**	**143** IP	0.64 U	0.074 UJ	2.67 E	11
EMW-16D	EMW-16D-100213	10/2/2013	0.52 U	**41** IP	**256**	0.98 U	0.094 UJ	1.38 U	**4.2**	0.14 UJ	0.0015 U	7.9	**130** IP	0.64 U	0.074 UJ	6 U	18

Table 9
Goundwater Sample Analytical Results - Total Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Zinc (µg/L)	Total Suspended Solids (mg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**3.87**	**0.87**	**122**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
Preliminary Groundwater Screening Levels[b] (µg/L)			**3.87**	**0.87**	**2.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.052**	**0.15**	**0.25**	**0.098**	**0.094**	**0.14**	**0.34**	**0.14**	**0.00015**	**0.36**	**0.56**	**0.064**	**0.074**	**0.61**	**NV**
FMW-1	FMW-1	4/1/1990	NA	**1**	NA	NA	2 U	5 U	**3**	30 U	NA	10 U	NA	NA	NA	17	NA
FMW-2	FMW-2	4/1/1990	NA	**2**	NA	NA	2 U	11	**7**	30 U	NA	10 U	NA	NA	NA	4	NA
FMW-2	FMW2-090490	9/4/1990	NA	**7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FMW-3	FMW-3	4/1/1990	NA	1 U	NA	NA	2 U	5 U	**3**	30 U	NA	10 U	NA	NA	NA	7	NA
HC-1	HC1-WELL-111888	11/18/1988	**10**	**98**	NA	1 U	**3**	1 U	2	5 U	1 U	2 U	5 U	1 U	5 U	28	NA
HC-1	HC1R-122888	12/28/1988	NA	99 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1	HC01-090490	9/4/1990	NA	**100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-4	HC4-WELL-111888	11/18/1988	10 U	5 U	NA	1 U	1 U	1	**5**	5 U	1 U	2	NA	1 U	5 U	7	NA
HC-4	HC-4-092413	9/24/2013	1.25 U	0.47 IP	**15.8**	0.098 U	0.094 U	0.63	2.15	0.14 U	0.0015 U	4.31	0.85 IP	0.064 U	0.074 U	3.5	9.7 U
HC-20	HC-20-0713	7/11/2013	0.67	**9.36**	**21**	0.098 U	0.25 UJ	0.98	0.34 U	0.35	0.0011	2	0.56 U	0.064 U	0.074 U	9.81	11.2
HC-20	HC-20-092313	9/23/2013	1.25 U	**14.5** IP	**21.5**	0.098 U	0.094 U	1.41	2 U	0.14 U	0.0015 U	1.35	0.56 U	0.064 U	0.074 U	7.63	10 U
HC-20	HC-20-100113	10/1/2013	0.34	**17.9** IP	**20.6**	0.098 U	0.094 U	1.43	0.34 U	0.14 U	0.0015 U	1.07	0.56 U	0.064 U	0.074 U	4.24	9.7 U
MW-1 (1994)	MW1-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	NA
MW-2	MW2-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	NA
MW-3	MW3-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	NA
SLR-1	SLR1-082511	8/23/2011	0.30	**5.98**	NA	0.29 U	0.25 U	1 U	1	0.34 U	0.004 U	4.06	20 U	0.22 U	0.21 U	1.36	NA
SLR-1	SLR-1-0713	7/11/2013	0.11	**1.73**	**23.8**	0.098 U	0.25 UJ	1.68	0.34 U	0.17	0.0012	1.39	0.56 U	0.064 U	0.074 U	0.61 U	10 U
SLR-1	SLR-1-092313	9/23/2013	1.93	**3.67** IP	**31.1**	0.098 U	0.094 U	3.74	**5.47**	**3.66**	0.0046	3.2	0.56 U	0.064 U	0.074 U	**45.9**	10 U
SLR-1	SLR-1-100313	10/3/2013	0.14	**3.16** IP	**23.4**	0.098 U	0.094 U	1.91	0.60	0.14 U	0.0015 U	1.36	0.83 IP	0.064 U	0.074 U	0.6 U	9.7 U
SLR-2	SLR2-082511	8/23/2011	0.30	**5.17**	NA	0.29 U	0.25 U	1 U	0.75 U	0.34 U	0.004 U	2.54	20 U	0.22 U	0.21 U	2.72	NA
SLR-2	SLR-2-0713	7/11/2013	1.28	0.49	**6.51**	0.098 U	0.25 UJ	0.29	1.37	0.14 U	0.0012	1.64	0.56 U	0.064 U	0.074 U	1.87	10 U
SLR-2	SLR-2-092313	9/23/2013	2.49	**1.94** IP	**8.3**	0.098 U	0.094 U	1.02	2.38	0.31	0.0018	1.92	0.56 U	0.064 U	0.074 U	4.35	10 U
SLR-2	SLR-2-100213	10/2/2013	2.2	**1.49** IP	**5.83**	0.098 U	0.094 U	0.76	**3.52**	0.27	0.0034	1.57	0.94 IP	0.064 U	0.074 U	1.94	9.7 U
SLR-3	SLR3-082511	8/23/2011	0.72	**21**	NA	0.29 U	**3.43**	29.1	**5.75**	**1.99**	0.004 U	**10.2**	20 U	0.22 U	0.21 U	8.22	NA
SLR-3	SLR-3-0713	7/12/2013	0.84	**24.7**	**97.7**	0.98 U	**2.96**	32	**4.01**	**0.83**	0.0043	5.29	**6.78**	0.64 U	0.074 U	6 U	10 U
SLR-3	SLR-3-092313	9/23/2013	1.25 U	**27.7** IP	**106**	0.098 U	**2.5**	24	2 U	**0.67**	0.0022	3.51	**5.99** IP	0.43	0.074 U	4.37	10 U
SLR-3	SLR-3-100313	10/3/2013	0.74	**29.4** IP	**104**	0.20	**2.48**	27.6	**3.68**	**0.65**	0.004	3.6	**6.47** IP	0.35	0.074 U	3.89	9.7 U
SLR-6	SLR6-082511	8/23/2011	0.65	0.74	NA	0.29 U	0.25 U	1 U	**3.5**	0.34 U	**0.0058**	3.13	20 U	0.22 U	0.21 U	3.86	NA
SLR-6	SLR-6-0713	7/12/2013	0.18	0.24	**20.8**	0.098 U	0.25 U	0.27	2.28	0.14 U	0.0015 U	1.47	0.56 U	0.064 U	0.074 U	2.08	10 U
SLR-6	SLR-6-092313	9/23/2013	1.25 U	0.25 IP	**18.7**	0.098 U	0.094 U	2.09	2 U	0.14 U	0.0015 U	2	0.56 U	0.064 U	0.074 U	2.5 U	10 U
SLR-6	SLR-6-100113	10/1/2013	0.76	**0.87** IP	**21.1**	0.098 U	0.094 U	0.83	**3.85**	**1.2**	**0.0055**	1.04	0.56 U	0.064 U	0.074 U	14.5	9.7 U
SLR-7	SLR7-082511	8/23/2011	0.18 U	**4.7**	NA	0.29 U	0.25 U	1 U	0.75 U	0.34 U	0.004 U	6.74	20 U	0.22 U	0.21 U	4.83	NA
SLR-7	SLR-7-0713	7/11/2013	0.16	**1.79**	**11.4**	0.098 U	0.25 UJ	0.35	0.34 U	0.14 U	0.0015 U	3.69	0.56 U	0.064 U	0.074 U	0.96	10 U
SLR-7	SLR-7-092313	9/23/2013	1.25 U	**2.32** IP	**15.7**	0.098 U	0.094 U	0.74	2 U	0.14 U	0.0015 U	3.7	0.56 U	0.064 U	0.074 U	2.5 U	16
SLR-7	SLR-7-100113	10/1/2013	0.11	**2.3** IP	**13.5**	0.098 U	0.094 U	0.28	0.68	0.14 U	0.0015 U	3.29	0.56 U	0.064 U	0.074 U	5.95	9.7 U
Groundwater Seep Samples																	
Seep-1	Seep-1	7/24/2013	0.79	**36.1**	**39.4**	0.98 U	0.25 UJ	2.27	**45.4**	0.15 E	0.0025	6.86	**132**	0.064 UJ	0.074 UJ	15.4	10 U
Seep-2	Seep-2	7/24/2013	0.52 UJ	**38.5**	**26.5**	0.98 U	0.25 UJ	2.53	**50.9**	0.14 UJ	0.0015 U	7.24	**143**	0.064 UJ	0.074 UJ	12.3	10 U
Seep-3	Seep-3	7/24/2013	3.1	**45.2**	**89.7**	0.98 U	0.25 UJ	3.96	**57.7**	0.14 UJ	0.0026	**9.72**	**157**	0.064 UJ	0.074 UJ	**39.6**	10 U
Seep-4	Seep-4	7/23/2013	0.52 U	**29.6**	**15**	0.98 U	0.25 UJ	1.89	**39.8**	0.14 UJ	0.0016	6.02	**114**	0.064 UJ	0.074 UJ	7.39	10 U
Seep-5	Seep-5	7/23/2013	0.97	**28.3**	**51.9**	0.98 U	0.25 UJ	2.16	**35.7**	0.14 UJ	0.0023	5.85	**106**	0.064 UJ	0.074 UJ	10.8	10 U

Notes:

Values in bold and highlighted in orange exceed the preliminary groundwater cleanup levels at the groundwater compliance wells.
Detected values in bold and highlighted in yellow exceed the preliminary groundwater screening levels.
Non-detected valued highlighted in blue exceed the preliminary groundwater cleanup levels at the groundwater compliance wells.
Groundwater compliance wells are highlighted in green.
µg/L = micrograms per liter.
mg/L = milligrams per liter.
NA = Not analyzed
NV = No available value.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
IP = The laboratory report noted that compounds in the sample matrix interfered with the quantitation of the analyte.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 10
Groundwater Sample Analytical Results - Dissolved Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Zinc (µg/L)	Total Suspended Solids (mg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**3.87**	**0.87**	**122.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
Preliminary Groundwater Screening Levels[b] (µg/L)			**3.87**	**0.87**	**2.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.052**	**0.15**	**0.25**	**0.098**	**0.094**	**0.14**	**0.34**	**0.14**	**0.00015**	**0.36**	**0.56**	**0.064**	**0.074**	**0.61**	**NV**
CMW-1	CMW-1-061708	6/17/2008	NA	**5.61**	**14.1**	NA	1 U	1 U	**23.8**	1 U	0.2 U	NA	**20.6**	1 U	NA	NA	NA
CMW-1	CMW-1-0713	7/11/2013	0.73	**19.4**	**65.1**	0.98 U	**0.26** E	1.89	**28.6**	0.14 UJ	0.0015 U	**9.14**	**76.3**	0.24 E	0.074 UJ	**47.8**	10 U
CMW-1	CMW-1-092513	9/25/2013	1.25 UJ	NA	**90.3**	0.98 U	0.094 UJ	2.49	NA	0.14 UJ	0.0015 U	**9.22**	NA	0.93	0.074 UJ	**57.4**	22
CMW-1	CMW-1-100213	10/2/2013	1.91	**1.19**[c]	**79**	0.98 U	0.094 UJ	1.44	1.47[c]	**8.6**	0.0015	**8.39**	0.072[c] U	0.78	0.074 UJ	**50.5**	9.7 U
CMW-2	CMW-2-061708	6/17/2008	NA	**40.6**	**15.5**	NA	1 U	1.35	**9.11**	1 U	0.2 U	NA	**9.34**	1 U	NA	NA	NA
CMW-2	CMW-2-0713	7/12/2013	4.4	**48.2**	**116**	0.098 U	0.25 U	1.56	**21.5**	0.14 U	0.0015 U	6.33	**55.1**	0.064 U	0.074 U	4.25	10 U
CMW-2	CMW-2-092413	9/24/2013	1.25 UJ	**21.4** IP	**97.9**	0.98 U	0.094 UJ	3.37	**2.64** E	0.14 UJ	0.0015 U	5.75	**61.7** IP	0.64 U	0.074 UJ	25 U	9.7 U
CMW-2	CMW-2-100113	10/1/2013	8.18	**61.3**[c]	**76**	0.098 U	0.094 U	1.4	1.84[c]	0.14 U	0.0017	2.14	0.13[c] JT	0.064 U	0.074 U	3.69	9.7 U
CMW-3	CMW-3-061708	6/17/2008	NA	**28.2**	**27**	NA	1 U	1 U	**18**	1 U	0.2 U	NA	**17.2**	1 U	NA	NA	NA
CMW-3	CMW-3-0713	7/12/2013	2.7	**24.1**	**58.7**	0.98 U	0.25 UJ	1.38 U	**13**	0.14 UJ	0.0017	4.6 U	**34.1**	0.064 UJ	0.074 UJ	6 U	10 U
CMW-3	CMW-3-092413	9/24/2013	4.09 E	**29** IP	**274**	0.98 U	0.094 UJ	1.97	**3.29** E	0.14 UJ	0.0015 U	6.31	**65** IP	0.64 U	0.074 UJ	25 U	9.7 U
CMW-3	CMW-3-093013	9/30/2013	5.24	**12.6**[c]	**270**	0.98 U	0.094 UJ	3.56	2.12[c]	0.14 UJ	0.0021	5.82	0.072[c] U	0.64 U	0.074 UJ	6 U	9.7 U
CMW-4	CMW-4-061708	6/17/2008	NA	**171**	**62**	NA	1 U	1 U	**45.5**	1 U	0.2 U	NA	**39.6**	1 U	NA	NA	NA
CMW-4	CMW-4-0713	7/11/2013	25.3	**211**	**101**	0.98 U	**0.29** E	2.59	**15.2**	0.14 U	0.0018	4.6 U	**38.4**	0.064 UJ	0.074 U	6 U	13
CMW-4	CMW-4-092513	9/25/2013	23.7	**184**[c]	**350**[c]	0.98 U	0.094 UJ	2.85	**6.08**[c]	0.14 UJ	0.0015 U	**9.46**	0.19[c] JT	0.64 U	0.074 UJ	25 U	130
CMW-4	CMW-4-100313	10/3/2013	25.1	**206**[c]	**381**	0.98 U	0.094 UJ	2.14	**3.64**[c]	0.14 UJ	0.0022	**8.25**	0.18[c] JT	0.64 U	0.074 UJ	19.3	13
CMW-5	CMW-5-061708	6/17/2008	NA	**8.18**	**9.19**	NA	1 U	1 U	1 U	1 U	0.2 U	NA	2.88	1 U	NA	NA	NA
CMW-5	CMW-5-0713	7/12/2013	0.24	**99**	**31.3**	0.098 U	0.25 U	1.65	0.87	0.14 U	0.0015 U	2.21	3.27	0.064 U	0.074 U	0.61 U	42.4
CMW-5	CMW-5-092413	9/24/2013	1.25 U	**53.9** IP	**22.5**	0.098 U	0.094 U	2.04	1.25 U	0.14 U	0.0015 U	1.68	2.8 IP	0.064 U	0.074 U	2.56	24
CMW-5	CMW-5-093013	9/30/2013	0.17	**73**[c]	**23.2**	0.098 U	0.094 U	1.77	0.4[c]	0.14 U	0.0015 U	1.7	0.16[c] JT	0.064 U	0.074 U	1.2	43
CMW-6	CMW-6-061708	6/17/2008	NA	**16.3**	**47.8**	NA	2 U	4.32	**20.1**	2 U	0.2 U	NA	**49**	**2** U	NA	NA	NA
CMW-6	CMW-6-0713	7/12/2013	24.2	**76**	**110**	0.98 U	**0.27** E	4.07	**42.1**	0.14 UJ	0.0031	7.01	**77**	0.17 E	0.074 UJ	**36.5**	10 U
CMW-6	CMW-6-092513	9/25/2013	32.6	NA	**133**	0.98 U	0.094 UJ	4.08	NA	0.14 UJ	0.0015 U	7.63	NA	0.64 U	0.074 UJ	**40.9**	9.7 U
CMW-6	CMW-6-100113	10/1/2013	27.4	**57.7**[c]	**93.3**	0.98 U	0.094 UJ	4.33	**12.9**[c]	**1.24** E	0.003	6.98	0.22[c]	0.64 U	0.074 UJ	29.8	9.7 U
CMW-7	CMW-7-061708	6/17/2008	NA	**5.43**	**19.6**	NA	1 U	1 U	**6.33**	1 U	0.2 U	NA	**8.14**	1 U	NA	NA	NA
CMW-7	CMW-7-0713	7/12/2013	0.31	**2.16**	**13.5**	0.098 U	0.25 U	0.51	**5.12**	0.29	0.0015 U	4.21	**6.94**	0.064 U	0.074 U	3.21	10 U
CMW-7	CMW-7-092613	9/26/2013	1.25 U	**4.54** IP	**51.4**	0.098 U	0.094 U	0.58	**8.33**	0.14 U	0.0015 U	5.55	**15.4** IP	0.064 U	0.074 U	2.5 U	10 U
CMW-7	CMW-7-100213	10/2/2013	0.27	0.71[c]	**31**	0.098 U	0.094 U	0.50	**2.77**[c]	0.16	0.0021	8.07	0.44[c]	0.064 U	0.074 U	6.99	9.7 U
DMW-2	DMW2-090490	9/4/1990	NA	**6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW-2	DMW-2-0713	7/12/2013	0.43	**5.03**	**14.5**	0.098 U	0.25 U	1.73	0.61	0.14 U	0.0015 U	1.24	0.56 U	0.064 U	0.074 U	3.07	10 U
DMW-2	DMW-2-092313	9/23/2013	1.25 U	**6.67** IP	**10.8**	0.098 U	0.094 U	1.76	2 U	0.14 U	0.0015 U	1.1	0.56 U	0.064 U	0.074 U	3.92	10 U
DMW-2	DMW-2-093013	9/30/2013	0.74	**5.38**[c]	**10.7**	0.098 U	0.094 U	2.11	0.45[c]	0.14 U	0.0015 U	1.26	0.072[c] U	0.064 U	0.074 U	3.52	9.7 U
DMW-3	DMW3-090490	9/4/1990	NA	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW-3	DMW-3-0713	7/12/2013	0.13	**4.73**	**12**	0.098 U	0.25 U	0.91	0.52	0.14 U	0.0015 U	0.69	0.64	0.064 U	0.074 U	0.6 U	26
DMW-3	DMW-3-092313	9/23/2013	1.25 U	**4.84** IP	**12.5**	0.098 U	0.094 U	1.12	2 U	0.14 U	0.0015 U	2.82	0.56 U	0.064 U	0.074 U	2.5 U	24
DMW-3	DMW-3-093013	9/30/2013	0.18	**5.44**[c]	**12.5**	0.098 U	0.094 U	1.18	0.33[c]	0.14 U	0.0015 U	0.94	0.072[c] U	0.064 U	0.074 U	1.79	16
DMW-6	DMW6-090490	9/4/1990	NA	**9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW-6	DMW6REP-090490(dupl.)	9/4/1990	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DMW-6	DMW-6-0713	7/11/2013	0.52 U	**56.4**	**15.9**	0.98 U	0.25 U	1.38 U	3.4 U	0.14 U	0.0015 U	4.6 U	0.73	0.064 U	0.074 U	6 U	10 U
DMW-6	DMW-6-092313	9/23/2013	1.25 U	**42.3** IP	**11.7**	0.098 U	0.094 U	1.12	2 U	0.14 U	0.0015 U	1.13	0.57 IP	0.064 U	0.074 U	2.5 U	10 U
DMW-6	DMW-6-100213	10/2/2013	0.08	**59.4**[c]	**11.8**	0.098 U	0.094 U	1.56	0.48[c]	0.14 U	0.0015 U	0.80	0.18[c] JT	0.064 U	0.074 U	2.72	9.7 U
EMW-1S	EMW-1S-0713	7/11/2013	0.26	**12.5**	**31**	0.098 U	0.25 UJ	0.92	0.34 U	0.14 U	0.00052	2.29	0.57	0.064 U	0.074 U	8.16	36.4
EMW-1S	EMW-1S-092313	9/23/2013	1.25 U	**16.6** IP	**29.6**	0.098 U	0.094 U	1.14	2 U	0.14 U	0.0015 U	1.9	0.56 U	0.064 U	0.074 U	5.45	130
EMW-1S	EMW-1S-093013	9/30/2013	0.12	**12.5**[c]	**25.6**	0.098 U	0.094 U	0.92	0.47[c]	0.14 U	0.0015 U	1.09	0.11[c] JT	0.064 U	0.074 U	4.25	17
EMW-2S	EMW-2S-0713	7/12/2013	0.068	**1.47**	**7.19**	0.098 U	0.25 U	0.56	0.69	0.14 U	0.0015 U	1.08	0.56 U	0.064 U	0.074 U	0.61 U	10 U
EMW-2S	EMW-57S-0713(dupl.)	7/12/2013	0.064	**1.43**	**6.94**	0.098 U	0.094 UJ	0.79	0.34 U	0.14 U	0.0015 U	1.5	0.56 U	0.064 U	0.074	13.3	10 U
EMW-2S	EMW-2S-092313	9/23/2013	1.25 U	**0.88** IP	**8.47**	0.098 U	0.094 U	1.00	2 U	0.14 U	0.0015 U	2.53	0.56 U	0.064 U	0.074 U	2.86	10 U
EMW-2S	EMW-2S-100313	10/3/2013	0.052 U	**1.2**[c]	**7.38**	0.098 U	0.094 U	1.06	0.42[c]	0.14 U	0.0015 U	0.72	0.057[c] JT	0.064 U	0.074 U	2.29	11
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	0.07	**1.48**[c]	**7.24**	0.098 U	0.094 U	1.26	0.41[c]	0.14 U	0.0015 U	0.77	0.09[c] JT	0.064 U	0.074 U	2.95	9.7 U

Table 10
Groundwater Sample Analytical Results - Dissolved Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Zinc (µg/L)	Total Suspended Solids (mg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**3.87**	**0.87**	**122.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
Preliminary Groundwater Screening Levels[b] (µg/L)			**3.87**	**0.87**	**2.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.052**	**0.15**	**0.25**	**0.098**	**0.094**	**0.14**	**0.34**	**0.14**	**0.00015**	**0.36**	**0.56**	**0.064**	**0.074**	**0.61**	**NV**
EMW-3S	EMW-3S-0713	7/11/2013	0.75	**11.2**	**109**	0.098 U	0.25 UJ	1.08	**19.4**	0.14 U	0.0015 U	**8.52**	**37.3**	0.064 U	0.074 U	**37**	11
EMW-3S	EMW-3S-092513	9/25/2013	1.25 UJ	NA	**214**	0.98 U	0.094 UJ	2.23	NA	0.14 UJ	0.0015 U	**9.42**	NA	0.64 U	0.074 UJ	**88**	9.7 U
EMW-3S	EMW-3S-100113	10/1/2013	0.61	**0.96**[c]	**162**	0.98 U	0.094 UJ	2.66	0.61[c]	0.14 UJ	0.0015 U	5.99	0.047[c] JT	0.64 U	0.074 UJ	**105**	9.7 U
EMW-4D	EMW-4D-0713	7/11/2013	0.22	**10.8**	**112**	0.098 U	**1.12**	1.23	**15.2**	0.14 U	0.0015 U	4.16	**36.1**	0.064 U	0.074 U	2.01	38
EMW-4D	EMW-4D-092513	9/25/2013	1.25 UJ	NA	**117**	0.98 U	0.094 UJ	1.92	NA	0.14 U	0.0015 U	4.6 U	NA	0.64 U	0.074 U	25 U	29
EMW-4D	EMW-4D-100113	10/1/2013	0.12 E	**1.36**[c]	**152**	0.98 U	0.094 UJ	1.94	0.41[c]	0.14 UJ	0.0015 U	4.6 U	0.072[c] U	0.64 U	0.074 UJ	6 U	48
EMW-5S	EMW-5S-0713	7/12/2013	0.077	**2.68**	**15.7**	0.098 U	0.25 U	0.71	0.58	0.14 U	0.0015 U	2.19	0.79	0.064 U	0.074 U	1.47	43
EMW-5S	EMW-5S-092413	9/24/2013	1.25 U	**2.04** IP	**16.2**	0.098 U	0.094 U	0.86	1.25 U	0.14 U	0.0015 U	2.1	0.76 IP	0.064 U	0.074 U	2.5 U	9.7 U
EMW-5S	EMW-89S-092413(dupl.)	9/24/2013	1.25 U	**2.2** IP	**17.8**	0.098 U	0.094 U	1.08	1.25 U	0.14 U	0.0015 U	2.42	0.80 IP	0.064 U	0.074 U	2.5 U	9.7 U
EMW-5S	EMW-5S-100213	10/2/2013	0.052 U	**2.05**[c]	**15.2**	0.098 U	0.094 U	0.97	0.65[c]	0.14 U	0.0015 U	3.09	0.072[c] U	0.064 U	0.074 U	3.75	9.7 U
EMW-6S	EMW-6S-0713	7/10/2013	0.20	**2.76**	**13.6**	0.098 U	0.25 UJ	0.43	0.34 U	0.14 U	0.00048	4.2	0.56 U	0.064 U	0.074 U	2.17	10 U
EMW-6S	EMW-6S-092313	9/23/2013	1.25 U	**1.86** IP	**19.3**	0.098 U	0.094 U	0.79	2 U	0.14 U	0.0015 U	1.41	0.56 U	0.064 U	0.074 U	2.5 U	10 U
EMW-6S	EMW-6S-100213	10/2/2013	1.52	0.65[c]	**8**	0.098 U	0.094 U	0.36	0.83[c]	0.14 U	0.0015 U	0.96	0.072[c] U	0.064 U	0.074 U	10.5	9.7 U
EMW-7S	EMW-7S-0713	7/11/2013	0.052 UJ	**1.77**	**14.1**	0.098 U	0.25 UJ	0.71	0.34 U	0.14 U	0.00043	2.05	0.56 U	0.064 U	0.074 U	1.18	20.5
EMW-7S	EMW-7S-092313	9/23/2013	1.25 U	**2.55** IP	**13.4**	0.098 U	0.094 U	1.02	2 U	0.14 U	0.0015 U	1.21	0.56 U	0.064 U	0.074 U	2.5 U	10 U
EMW-7S	EMW-7S-100213	10/2/2013	0.052 U	**1.97**[c]	**12.8**	0.098 U	0.094 U	1.03	0.18[c] JT	0.14 U	0.0015 U	0.93	0.078[c] JT	0.064 U	0.074 U	5.8	9.7 U
EMW-8S	EMW-8S-0713	7/12/2013	3.2	**7.1**	**34.6**	0.098 U	**0.34**	0.26	1.09	0.14 U	0.0015 U	2.44	0.56 U	0.064 U	0.074 U	2.26	10 U
EMW-8S	EMW-8S-092413	9/24/2013	1.25 U	**40.7** IP	**42**	0.098 U	0.094 U	1.95	1.25 U	0.14 U	0.0015 U	1.52	1.84 IP	0.064 U	0.074 U	4.17	9.7 U
EMW-8S	EMW-8S-100313	10/3/2013	0.15	40.7[c]	**38.8**	0.098 U	0.094 U	2.22	0.36[c]	0.14 U	0.0015 U	1.54	0.13[c] JT	0.064 U	0.074 U	8.14	9.7 U
EMW-9S	EMW-9S-0713	7/12/2013	0.43	**16.1**	**56.3**	0.098 U	0.25 U	1.08	1.65	0.14 U	0.0015 U	2.46	0.56 U	0.064 U	0.074 U	4.39	10 U
EMW-9S	EMW-9S-092313	9/23/2013	1.25 U	**26.4** IP	**67.2**	0.098 U	0.094 U	1.33	2 U	0.14 U	0.0015 U	0.99	0.56 U	0.064 U	0.074 U	9.39	10 U
EMW-9S	EMW-9S-093013	9/30/2013	0.34	**21.4**[c]	**58.7**	0.098 U	0.094 U	1.58	0.26[c]	0.14 U	0.0015 U	0.94	0.072[c] U	0.064 U	0.074 U	4.25	9.7 U
EMW-10D	EMW-10D-0713	7/10/2013	0.052 UJ	**8.91**	**94.4**	0.098 U	0.25 UJ	0.75	**12.4**	0.14 U	0.0006	1.87	**34.4**	0.064 U	0.074 U	0.61 U	60.4
EMW-10D	EMW-56D-0713(dupl.)	7/10/2013	0.066	**10.8**	**113**	0.098 U	0.25 UJ	1	**15.7**	0.14 U	0.00034	2.19	**41.4**	0.064 U	0.074 U	0.87	60
EMW-10D	EMW-10D-092513	9/25/2013	1.25 U	0.58[c]	**103**[c]	0.098 U	0.094 U	1.05	0.44[c]	0.14 U	0.0015 U	1.95	0.13[c] JT	0.064 U	0.074 U	2.5 U	41
EMW-10D	EMW-56D-092513(dupl.)	9/25/2013	1.25 U	NA	NA	0.098 U	0.094 U	1.00	NA	0.14 U	0.0015 U	3.15	NA	0.064 U	0.074 U	2.5 U	49
EMW-10D	EMW-10D-100113	10/1/2013	0.057	0.52[c]	90.4	0.098 U	0.094 U	1.03	0.44[c]	0.14 U	0.0015 U	2.09	0.12[c] JT	0.064 U	0.074 U	1.11	24
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	0.06	0.63[c]	85.5	0.098 U	0.094 U	1.11	0.44[c]	0.14 U	0.0015 U	1.97	0.072[c] U	0.064 U	0.074 U	2.91	23
EMW-11S	EMW-11S-0713	7/11/2013	0.45	**1.32**	**151**	0.098 U	0.25 U	0.45	2.32	0.14 U	0.0015	5.38	0.56 U	0.064 U	0.074 U	9.99	10 U
EMW-11S	EMW-11S-092313	9/23/2013	1.25 U	**4.05** IP	**200**	0.098 U	0.094 U	0.76	2 U	0.14 U	0.0016	4.41	0.56 U	0.064 U	0.074 U	13.2	10 U
EMW-11S	EMW-11S-093013	9/30/2013	0.81	**3.44**[c]	**242**	0.098 U	0.094 U	1.16	**2.55**[c]	0.20	**0.0059**	4.32	0.13[c] JT	0.064 U	0.074 U	15.6	28
EMW-12S	EMW-12S-0713	7/12/2013	0.51	0.32	**8.77**	0.098 U	0.25 U	0.22	1.54	0.14 U	0.0015 U	3.3	0.78	0.064 U	0.074 U	0.91	10 U
EMW-12S	EMW-12S-092413	9/24/2013	1.25 U	0.29 IP	**10.1**	0.098 U	0.094 U	0.41	1.25 U	0.14 U	0.0015 U	3.26	0.56 U	0.064 U	0.074 U	3.42	9.7 U
EMW-12S	EMW-12S-100313	10/3/2013	0.60	0.32[c]	**9.98**	0.098 U	0.094 U	0.41	1.84[c]	0.14 U	0.0015 U	2.87	0.17[c] JT	0.064 U	0.074 U	2.03	9.7 U
EMW-13S	EMW-13S-0713	7/11/2013	20.1	**159**	**123**	0.098 U	0.25 UJ	0.77	**26**	0.14 U	0.0015 U	3.83	**48**	0.064 U	0.074 U	3.56	10 U
EMW-13S	EMW-13S-092513	9/25/2013	6.8 E	**16.9**[c]	**27.4**[c]	0.98 U	0.094 UJ	2.21	**6.77**[c]	0.14 UJ	0.0015 U	4.6 U	0.18[c] JT	0.64 U	0.074 UJ	25 U	9.7 U
EMW-13S	EMW-13S-100113	10/1/2013	23.1	**283**[c]	**248**	0.98 U	0.094 UJ	2.28	**3.79**[c]	0.14 UJ	0.0015 U	5.38	0.12[c] JT	0.64 U	0.074 UJ	6 U	9.7 U
EMW-14D	EMW-14D-0713	7/11/2013	0.52 UJ	**8.6**	**51.6**	0.98 U	0.25 UJ	1.93	**7.51**	0.14 U	0.0015 U	4.6 U	**25.5**	0.064 UJ	0.074 U	6 U	20
EMW-14D	EMW-14D-092513	9/25/2013	1.25 UJ	NA	**216**	0.98 U	0.094 UJ	2.92	NA	0.14 UJ	0.0015 U	5.55	NA	0.64 U	0.074 UJ	25 U	30
EMW-14D	EMW-14D-093013	9/30/2013	0.24 E	**1.25**[c]	**253**	0.98 U	0.094 UJ	2.5	0.5[c]	0.14 UJ	0.0015 U	5.54	0.072[c] U	0.64 U	0.074 UJ	6 U	36
EMW-15D	EMW-15D-0713	7/11/2013	0.52 UJ	**11.5**	**56.2**	0.98 U	0.25 UJ	1.54	**13.6**	0.14 U	0.0015 U	4.6 U	**44.3**	0.064 UJ	0.074 U	6 U	16
EMW-15D	EMW-15D-092513	9/25/2013	1.25 UJ	0.71[c]	**74.7**[c]	0.98 U	0.094 UJ	2.01	0.46[c]	0.14 UJ	0.0015 U	4.6 U	0.11[c] JT	0.64 U	0.074 UJ	25 U	20
EMW-15D	EMW-15D-100113	10/1/2013	0.216 E	**1.02**[c]	**76.4**	0.98 U	0.094 UJ	2.63	0.41[c]	0.14 U	0.0015 U	4.6 U	0.039[c] JT	0.64 U	0.074 U	7.24	19
EMW-16D	EMW-16D-0713	7/11/2013	0.52 UJ	**35.4**	**207**	0.98 U	0.25 UJ	2.45	**49**	0.14 UJ	0.0015 U	**8.9**	**138**	0.064 UJ	0.074 UJ	2.92 E	28
EMW-16D	EMW-16D-092413	9/24/2013	1.25 UJ	**35.5** IP	**242**	0.98 U	0.094 UJ	2.5	1.25 UJ	0.14 UJ	0.0015 U	**9.59**	**131** IP	0.64 U	0.074 UJ	25 U	11
EMW-16D	EMW-16D-100213	10/2/2013	**4.78**	**1.56**[c]	**256**	0.98 U	0.094 UJ	1.39	1.53[c]	0.14 UJ	0.0018	**8.23**	0.15[c] JT	0.64 U	0.074 UJ	10.9	18

Table 10
Groundwater Sample Analytical Results - Dissolved Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Zinc (µg/L)	Total Suspended Solids (mg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**3.87**	**0.87**	**122.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
Preliminary Groundwater Screening Levels[b] (µg/L)			**3.87**	**0.87**	**2.0**	**4.0**	**0.25**	**50**	**2.4**	**0.54**	**0.0052**	**8.2**	**5.0**	**1.53**	**0.47**	**32.6**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.052**	**0.15**	**0.25**	**0.098**	**0.094**	**0.14**	**0.34**	**0.14**	**0.00015**	**0.36**	**0.56**	**0.064**	**0.074**	**0.61**	**NV**
FMW-2	F/MW2-090490	9/4/1990	NA	**5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-1	HC01-090490	9/4/1990	NA	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-2	HC2/MWHC2-111788	11/17/1988	10 U	**5**	NA	1 U	1 U	1	**12**	5 U	1 U	2	5	1 U	5 U	11	NA
HC-4	HC04-090490	9/4/1990	NA	**5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-4	HC-4-092413	9/24/2013	1.25 U	0.54 IP	**18.3**	0.098 U	0.094 U	0.50	2.19	0.14 U	0.0015 U	5.29	1.15 IP	0.064 U	0.074 U	5.22	9.7 U
HC-19	HC19-090490	9/4/1990	NA	**5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-20	HC20-090490	9/4/1990	NA	**5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HC-20	HC-20-0713	7/11/2013	0.49	**11**	**22**	0.098 U	0.25 UJ	0.83	0.34 U	0.14 U	0.00042	2.91	0.56 U	0.064 U	0.074 U	14.6	11.2
HC-20	HC-20-092313	9/23/2013	1.25 U	**14** IP	**21**	0.098 U	0.094 U	1.1	2 U	0.14 U	0.0015 U	1.74	0.56 U	0.064 U	0.074 U	8.84	10 U
HC-20	HC-20-100113	10/1/2013	0.36	**19.7**[c]	**20.1**	0.098 U	0.094 U	1.46	0.42[c]	0.14 U	0.0015 U	1.18	0.09[c] JT	0.064 U	0.074 U	4.77	9.7 U
MW-1 (1988)	MW-1	11/17/1988	10	**6**	NA	1 U	1 U	1 U	**12**	5 U	1 U	2 U	5	1 U	5 U	3	NA
SLR-1	SLR-1-0713	7/11/2013	0.11	**1.92**	**24.2**	0.098 U	0.25 UJ	1.63	0.34 U	0.14 U	0.00066	1.5	0.56 U	0.064 U	0.074 U	0.61	10 U
SLR-1	SLR-1-092313	9/23/2013	1.25 U	**3.57** IP	**27.4**	0.098 U	0.094 U	1.52	2 U	0.14 U	0.0015 U	3.11	0.56 U	0.064 U	0.074 U	2.93	10 U
SLR-1	SLR-1-100313	10/3/2013	0.11	**2.61**[c]	**23**	0.098 U	0.094 U	1.92	0.48[c]	0.14 U	0.0015 U	1.37	0.14[c] JT	0.064 U	0.074 U	1.27	9.7 U
SLR-2	SLR-2-0713	7/11/2013	1.48	0.51	**6.54**	0.098 U	0.25 UJ	0.48	1.91	0.14 U	0.00084	2.32	0.56 U	0.064 U	0.074 U	2.3	10 U
SLR-2	SLR-2-092313	9/23/2013	2.46	0.43 IP	**5.74**	0.098 U	0.094 U	0.40	2.35	0.14 U	0.0015 U	3.7	0.56 U	0.064 U	0.074 U	3.86	10 U
SLR-2	SLR-2-100213	10/2/2013	2.47	0.48[c]	3.08	0.098 U	0.094 U	0.70	2.36[c]	0.14 U	0.0027	1.12	0.081[c] JT	0.064 U	0.074 U	1.81	9.7 U
SLR-3	SLR-3-0713	7/12/2013	0.78	**24.3**	**96.6**	0.98 U	2.5 U	32.6	**7.86**	0.47	0.0038	5.38	**6.94**	0.64 U	0.074 U	6.81	10 U
SLR-3	SLR-3-092313	9/23/2013	1.25 U	**25.1** IP	**104**	0.98 U	**2.32**	30.3	2 UJ	**3.6**	0.002	6.92	**7.18** IP	0.64 U	0.074 U	25 U	10 U
SLR-3	SLR-3-100313	10/3/2013	0.70	**28.8**[c]	**97.7**	0.108	**2.19**	27	**5.9**[c]	**0.56**	0.0037	3.23	1.45[c]	0.35	0.074 U	4.86	9.7 U
SLR-6	SLR-6-0713	7/12/2013	0.48	0.23	**20.6**	0.098 U	0.25 U	0.30	**2.53**	0.14 U	0.0015 U	1.65	0.56 U	0.064 U	0.074 U	0.78	10 U
SLR-6	SLR-6-092313	9/23/2013	1.25 U	0.30 IP	**19.6**	0.098 U	0.094 U	0.36	**3.2**	0.14 U	0.0015 U	1.87	0.56 U	0.064 U	0.074 U	4.7	10 U
SLR-6	SLR-6-100113	10/1/2013	0.79	**0.50**[c]	**14.2**	0.098 U	0.094 U	0.42	**2.85**[c]	0.14 U	0.0015 U	0.70	0.039[c] U	0.064 U	0.074 U	7.41	9.7 U
SLR-7	SLR-7-0713	7/11/2013	0.18	**1.68**	**12.3**	0.098 U	0.25 UJ	0.51	0.41	0.14 U	0.0015 U	3.8	0.62	0.064 U	0.089	0.90	10 U
SLR-7	SLR-7-092313	9/23/2013	1.25 U	**2.3** IP	**14.5**	0.098 U	0.094 U	0.44	2 U	0.14 U	0.0015 U	6.35	0.56 U	0.064 U	0.074 U	5.01	16
SLR-7	SLR-7-100113	10/1/2013	0.14	**2.32**[c]	**13.9**	0.098 U	0.094 U	0.39	0.74[c]	0.14 U	0.0015 U	3.93	0.072[c] U	0.064 U	0.074 U	7.66	9.7 U

Notes:

Detected values in bold and highlighted in orange exceed the preliminary groundwater cleanup levels at the groundwater compliance wells.
Detected values in bold and highlighted in yellow exceed the preliminary groundwater screening levels.
Non-detected values highlighted in blue exceed the preliminary groundwater cleanup levels at the groundwater compliance wells
Groundwater compliance wells are highlighted in green.
µg/L = micrograms per liter.
mg/L = milligrams per liter.
NA = Not analyzed
NV = No available value.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
JT = The laboratory report noted that the analyte was positively identified and the reported result is an estimate below the associated quantitation limit but above the MDL
IP = The laboratory report noted that compounds in the sample matrix interfered with the quantitation of the analyte.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.
[c] Analysis performed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS).

Table 11
Groundwater Sample Analytical Results - PAHs
8th Avenue Terminals Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benz[a]anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(ghi)perylene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**2.61**	**10.8**	**10.8**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.0040**	**2.26**	**2.04**	**0.007**	**53.8**	**4.8**	**9.8**
Preliminary Groundwater Screening Levels[b] (µg/L)			**2.61**	**10.8**	**10.8**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.0040**	**2.26**	**2.04**	**0.007**	**53.8**	**4.8**	**9.8**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.0038**	**0.0025**	**0.0027**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.004**	**0.0046**	**0.004**	**0.007**	**0.004**	**0.0066**	**0.0036**
Groundwater Samples																		
CMW-1	CMW-1-061708	6/17/2008	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CMW-1	CMW-1-082311	8/23/2011	0.015 U	0.032 U	0.03 U	0.019 U	0.02 U	0.019 U	0.037 U	0.01 U	0.012 U	0.036 U	0.017 U	0.074 U	0.012 U	0.011 U	0.014 U	0.018 U
CMW-1	CMW-1-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
CMW-1	CMW-1-100213	10/2/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
CMW-2	CMW-2-061708	6/17/2008	**4**	1 U	1 U	**1**	1 U	1 U	1 U	1 U	1 U	1 U	1.3	**3.5**	1 U	3.8	4.6	1 U
CMW-2	CMW-2-082311	8/23/2011	0.051	0.032 U	0.03 U	0.019 U	0.02 U	0.019 U	0.037 U	0.01 U	0.012 U	0.036 U	0.017 U	0.074 U	0.012 U	0.011 U	0.014 U	0.018 U
CMW-2	CMW-2-0713	7/12/2013	0.0058	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
CMW-2	CMW-2-100113	10/1/2013	0.013	0.0033	0.0063	**0.0057**	0.0078 U	**0.0079**	**0.0093**	0.0076 U	**0.0098**	0.004 U	0.0072	0.004 U	0.007 U	0.004 U	0.0066 U	0.0076
CMW-3	CMW-3-061708	6/17/2008	**4.9**	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	**3.1**	1 U	2.9	3.9	1 U
CMW-3	CMW-3-0713	7/12/2013	0.0085	0.0024 U	0.0085	**0.011**	0.0078 U	**0.014**	**0.0089**	0.0076 U	**0.016**	0.004 U	0.038	0.0044	**0.0074**	0.0047	0.026	0.032
CMW-3	CMW-3-093013	9/30/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0042
CMW-4	CMW-4-061708	6/17/2008	2.1	1 U	1 U	1 U	1 U	**1**	1 U	1 U	1 U	1 U	1 U	1	1 U	3.3	2.4	1 U
CMW-4	CMW-4-0713	7/11/2013	0.01	0.0024 U	0.023	**0.13**	**0.14**	**0.21**	**0.083**	**0.063**	**0.16**	**0.026**	0.2	0.0065	**0.085**	0.008	0.061	0.21
CMW-4	CMW-4-100313	10/3/2013	0.013	0.0024 U	0.0094	**0.0067**	0.0078 U	**0.007**	0.0044 U	0.0076 U	**0.0055**	0.004 U	0.012	0.0071	0.007 U	0.05	0.027	0.011
CMW-5	CMW-5-061708	6/17/2008	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CMW-5	CMW-5-0710	7/1/2010	0.032	0.015 U	0.021	**0.016**	0.015 U	**0.016**	0.015 U	0.015 U	0.1 U	0.013 UJ	0.025	0.015 U	0.015 U	0.021	0.021	0.015 U
CMW-5	CMW-5-0713	7/12/2013	0.029	0.0024 U	0.0098	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0056	0.004 U	0.007 U	0.0082	0.0066 U	0.0098
CMW-5	CMW-5-093013	9/30/2013	0.033	0.0024 U	0.0069	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0064	0.0066 U	0.0063
CMW-6	CMW-6-061708	6/17/2008	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CMW-6	CMW-6-0710	7/1/2010	0.015 U	0.015 U	0.015 U	**0.02**	**0.017**	**0.025**	0.015 U	0.015 U	0.1 U	0.013 UJ	0.026	0.015 U	0.015 U	0.033	0.017	0.024
CMW-6	CMW-6-0713	7/12/2013	0.0038 U	0.0024 U	0.028 U	**0.01** E	0.0078 UJ	**0.013** E	**0.0066** E	0.0076 UJ	**0.0088** E	0.004 UJ	0.013	0.004 U	0.007 UJ	0.04 U	0.0082	0.014 E
CMW-6	CMW-6-100113	10/1/2013	0.0038 U	0.0024 U	0.0052	**0.0045**	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0056	0.004 U	0.007 U	0.005	0.0066 U	0.0066
CMW-7	CMW-7-061708	6/17/2008	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CMW-7	CMW-7-0710	7/1/2010	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.1 U	**0.013** UJ	0.015 U	0.015 U	0.015 U	0.017	0.015 U	0.015 U
CMW-7	CMW-7-0713	7/12/2013	0.0038 U	0.0024 U	0.0035	**0.0048**	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0078	0.004 U	0.007 U	0.0041	0.01	0.0085
CMW-7	CMW-7-100213	10/2/2013	0.0038 U	0.0024 U	0.0056	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0053	0.0066 U	0.0036 U
DMW-2	DMW2-042790	4/27/1990	**24**	0.8 J	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**5.2**	**10**	1 U	27	**5.1**	4.3
DMW-2	DMW2-090490	9/4/1990	**4.8**	1 U	1.2	1 U	1 U	**0.9** J	1 U	**1.1**	1 U	1 U	1.2	1.5	1 U	19	2.4	1.6
DMW-2	DMW-2-0713	7/12/2013	**33**	0.36	0.8	0.42 U	0.78 U	0.52 U	0.44 U	0.76 U	0.38 U	0.4 U	0.46 U	**8.9**	0.7 U	26	**6.1**	0.36 U
DMW-2	DMW-2-093013	9/30/2013	**13** E	0.24 U	0.29	**0.0054**	0.78 U	**0.0088**	0.44 U	0.0076 U	**0.007**	0.004 U	0.25	**4.7** E	0.007 U	3 E	4.4 E	0.36 U
DMW-3	DMW3-042790	4/27/1990	**120**	4.5	6.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	**58**	1 U	**140**	**44**	1.6
DMW-3	DMW3-090490	9/4/1990	**250**	8.5	**13**	**0.5** J	1 U	1 U	1 U	1 U	**0.5** J	1 U	**9.6**	**130**	1 U	**250**	**130**	**11**
DMW-3	DMW-3-0713	7/12/2013	**250**	3.4	9.9	0.42 U	0.78 U	0.52 U	0.44 U	0.76 U	0.38 U	0.4 U	**9.9**	**130** E	0.7 U	**450**	**150** E	5.9
DMW-3	DMW-3-093013	9/30/2013	**280**	4.1	**12**	0.42 U	0.78 U	0.52 U	0.44 U	0.76 U	0.38 U	0.4 U	**11**	**140**	0.7 U	**430** E	**140**	7.1
DMW-6	DMW6-043090	4/30/1990	**7.7**	1 U	3.4	1 U	1 U	1 U	1 U	1 U	**1.4**	1 U	**11**	**2.7**	1 U	1 U	1 U	**9.9**
DMW-6	DMW6-090490	9/4/1990	1 U	1 U	**15**	**7.4**	**1.2**	**1.9**	1 U	**2.5**	**7.6**	1 U	1.3	1 U	1 U	1 U	1.2	2.2
DMW-6	DMW6REP-090490(dupl.)	9/4/1990	1	1 U	**16**	**8.6**	**1.6**	**2.4**	1 U	**3.2**	**8.8**	1 U	1.7	1 U	1 U	1 U	1.2	2.3
DMW-6	DMW-6-0713	7/11/2013	**2.9**	0.0024 U	0.028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.017	0.01	0.007 U	0.004 U	0.038	0.036 U
DMW-6	DMW-6-100213	10/2/2013	**2.8** E	0.0024 U	0.028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.012	0.0042	0.007 U	0.066	0.019	0.036 U
EMW-1S	EMW-1S-0713	7/11/2013	0.0065	0.0024 U	0.0079	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0053	0.004 U	0.007 U	0.0083	0.012	0.0043
EMW-1S	EMW-1S-093013	9/30/2013	0.0038 U	0.0024 U	0.0043	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0055	0.004 U	0.007 U	0.005	0.01	0.0048
EMW-2S	EMW-2S-0713	7/12/2013	0.0038 U	0.0024 U	0.003	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.011	0.0066 U	0.0036 U
EMW-2S	EMW-57S-0713(dupl.)	7/12/2013	0.0038 U	0.0024 U	0.0036	0.042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
EMW-2S	EMW-2S-100313	10/3/2013	0.0038 U	0.0024 U	0.0033	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	0.0038 U	0.0024 U	0.0033	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
EMW-3S	EMW-3S-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.021	0.0069	0.0036 U
EMW-3S	EMW-3S-100113	10/1/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0061	0.0066 U	0.0037
EMW-4D	EMW-4D-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	**0.0043**	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.006	0.004 U	0.007 U	0.004 U	0.0066 U	0.0049
EMW-4D	EMW-4D-100113	10/1/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0048	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036

Table 11
Groundwater Sample Analytical Results - PAHs
8th Avenue Terminals Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benz[a]anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(ghi)perylene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**2.61**	**10.8**	**10.8**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.0040**	**2.26**	**2.04**	**0.007**	**53.8**	**4.8**	**9.8**
Preliminary Groundwater Screening Levels[b] (µg/L)			**2.61**	**10.8**	**10.8**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.0040**	**2.26**	**2.04**	**0.007**	**53.8**	**4.8**	**9.8**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.0038**	**0.0025**	**0.0027**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.004**	**0.0046**	**0.004**	**0.007**	**0.004**	**0.0066**	**0.0036**
EMW-5S	EMW-5S-0713	7/12/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0054	0.0066 U	0.0036 U
EMW-5S	EMW-5S-100213	10/2/2013	0.0046	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.012	0.0036 U
EMW-6S	EMW-6S-0713	7/10/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.013	0.0066 U	0.0036 U
EMW-6S	EMW-6S-100213	10/2/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0058	0.0066 U	0.0036 U
EMW-7S	EMW-7S-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.014	0.0068	0.0036 U
EMW-7S	EMW-7S-100213	10/2/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	**0.016**	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
EMW-8S	EMW-8S-0713	7/12/2013	0.059	0.0026	0.047	**0.0044**	0.0078 U	0.0052 U	0.0044 U	0.0076 U	**0.0054**	0.004 U	0.053	0.04	0.007 U	0.033	0.08	0.061
EMW-8S	EMW-8S-100313	10/3/2013	0.0038 U	0.0024 U	0.02	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.031	0.017	0.007 U	0.004 U	0.0066 U	0.036
EMW-9S	EMW-9S-0713	7/12/2013	0.099	0.0024 U	0.37	**0.0096**	0.042 U	0.078 U	0.052 U	0.0076 U	**0.02**	0.004 U	0.12	0.1	0.007 U	0.064	0.083	0.049
EMW-9S	EMW-9S-093013	9/30/2013	0.03	0.0024 U	0.25	**0.013**	0.0078 U	**0.0066**	0.0044 U	0.0076 U	**0.022**	0.004 U	0.086	0.059	0.007 U	0.013	0.15	0.079
EMW-10D	EMW-10D-0713	7/10/2013	1.8	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0085	0.0044	0.007 U	0.04 U	0.014	0.036 U
EMW-10D	EMW-56D-0713(dupl.)	7/10/2013	1.7	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0075	0.004 U	0.007 U	0.04 U	0.012	0.036 UJ
EMW-10D	EMW-10D-100113	10/1/2013	1.8	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.01	0.0066 U	0.0036 U
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	1.9	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.0052	0.007 U	0.01	0.0068	0.0036 U
EMW-11S	EMW-11S-0713	7/11/2013	0.13	0.0024 U	0.014	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.021	0.04	0.007 U	0.056	0.063	0.018
EMW-11S	EMW-11S-093013	9/30/2013	0.068	0.0024 U	0.012	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.012	0.0082	0.007 U	0.012	0.018	0.011
EMW-12S	EMW-12S-0713	7/12/2013	0.0038 U	0.0024 U	0.0032	0.0042	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.017	0.004 U	0.007 U	0.004 U	0.013	0.017
EMW-12S	EMW-12S-100313	10/3/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
EMW-13S	EMW-13S-0713	7/11/2013	0.66	0.024 U	0.071	**0.04** E	**0.038**	**0.053**	0.044 U	0.076 U	**0.053** E	0.04 U	0.25	0.19	0.07 U	0.04	0.058	0.14
EMW-13S	EMW-13S-100113	10/1/2013	0.82	0.011	0.21	**0.017**	**0.012**	**0.018**	**0.0082**	0.0076 U	**0.025**	0.004 U	0.24	0.57	**0.0081**	0.62	0.62	0.13
EMW-14D	EMW-14D-0713	7/11/2013	0.092	0.0024 U	0.036	**0.0078**	0.0078 U	0.0052 U	0.0044 U	0.0076 U	**0.0066**	0.004 U	0.082	0.068	0.007 U	0.11	0.21	0.056
EMW-14D	EMW-14D-093013	9/30/2013	0.0096	0.0024 U	0.0065	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.012	0.0059	0.007 U	0.015	0.021	0.008
EMW-15D	EMW-15D-0713	7/11/2013	0.0038 U	0.0024 U	0.0039	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0093	0.0041	0.007 U	0.005	0.0093	0.0092
EMW-15D	EMW-15D-100113	10/1/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0047	0.004 U	0.007 U	0.0074	0.0066 U	0.0054
EMW-16D	EMW-16D-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0041	0.0066 U	0.0036 U
EMW-16D	EMW-16D-100213	10/2/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0042	0.0066 U	0.0036 U
FMW-1	FMW-1	4/27/1990	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FMW-2	FMW-2	4/27/1990	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FMW-2	FMW2-090490	9/4/1990	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
FMW-3	FMW-3	4/27/1990	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HC-1	HC1-WELL-111888	11/18/1988	2 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	2 U	4 U	2 U	2 U	4 U	4 U	2 U	2 U
HC-1	HC01-090490	9/4/1990	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HC-2	HC2-MWHC2-111788	11/17/1988	2 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	2 U	4 U	2 U	2 U	4 U	4 U	2 U	2 U
HC-4	HC4-WELL-111888	11/18/1988	2 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	2 U	4 U	2 U	2 U	4 U	4 U	2 U	2 U
HC-4	HC04-090490	9/4/1990	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HC-19	HC19-090490	9/4/1990	**3.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HC-20	HC20-090490	9/4/1990	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.7** J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HC-20	HC-20-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	**0.0047**	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0079	0.004 U	0.007 U	0.013	0.0066 U	0.0082
HC-20	HC-20-100113	10/1/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0073	0.004 U	0.007 U	0.0065	0.0066 U	0.0065
MW-1 (1988)	MW-1	11/17/1988	2 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	2 U	4 U	2 U	2 U	4 U	4 U	2 U	2 U
SLR-1	SLR1-082511	8/23/2011	0.015 U	0.032 U	0.03 U	0.019 U	0.02 U	0.019 U	0.037 U	0.01 U	0.012 U	0.036 U	0.017 U	0.074 U	0.012 U	0.025	0.014 U	0.018 U
SLR-1	SLR-1-0713	7/11/2013	0.0093	0.0024 U	0.003	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0056	0.0065	0.007 U	0.0082	0.015	0.0036 U
SLR-1	SLR-1-100313	10/3/2013	0.0038 U	0.0024 U	0.0048	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0044	0.0066 U	0.0036 U
SLR-2	SLR2-082511	8/23/2011	0.015 U	0.032 U	0.03 U	0.019 U	0.02 U	0.019 U	0.037 U	0.01 U	0.012 U	0.036 U	0.017 U	0.074 U	0.012 U	0.014	0.014 U	0.018 U
SLR-2	SLR-2-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0046	0.0066 U	0.0036 U
SLR-2	SLR-2-100213	10/2/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U
SLR-3	SLR3-082511	8/23/2011	0.015 U	0.032 U	0.03 U	0.019 U	0.02 U	0.019 U	0.037 U	0.01 U	0.012 U	0.036 U	0.017	0.074 U	0.012 U	0.038	0.017	0.018 U
SLR-3	SLR-3-0713	7/12/2013	0.038 U	0.024 U	0.028 U	0.042 U	0.078 U	0.052 U	0.044 U	0.076 U	0.038 U	0.04 U	0.046 U	0.04 U	0.07 U	0.04 U	0.066 U	0.036 U
SLR-3	SLR-3-100313	10/3/2013	0.013	0.0024 U	0.0056	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	**0.0079**	0.004 U	0.0092	0.018	0.007 U	0.017	0.022	0.013
SLR-6	SLR6-082511	8/23/2011	0.015 U	0.032 U	0.03 U	0.019 U	0.02 U	0.019 U	0.037 U	0.01 U	0.012 U	0.036 U	0.017 U	0.074 U	0.012 U	0.016	0.014 U	0.018 U
SLR-6	SLR-6-0713	7/12/2013	0.0095	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.024	0.0066 U	0.0036 U
SLR-6	SLR-6-100113	10/1/2013	0.0038 U	0.0051	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0053	0.004 U	0.007 U	0.004	0.0066 U	0.0061
SLR-7	SLR7-082511	8/23/2011	0.015 U	0.032 U	0.03 U	0.019 U	0.02 U	0.019 U	0.037 U	0.01 U	0.012 U	0.036 U	0.017 U	0.074 U	0.012 U	0.015	0.014 U	0.018 U
SLR-7	SLR-7-0713	7/11/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0042	0.0066 U	0.0036 U
SLR-7	SLR-7-100113	10/1/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.004 U	0.0066 U	0.0036 U

Table 11
Groundwater Sample Analytical Results - PAHs
8th Avenue Terminals Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benz[a]anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(ghi)perylene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**2.61**	**10.8**	**10.8**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.0040**	**2.26**	**2.04**	**0.007**	**53.8**	**4.8**	**9.8**
Preliminary Groundwater Screening Levels[b] (µg/L)			**2.61**	**10.8**	**10.8**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.0040**	**2.26**	**2.04**	**0.007**	**53.8**	**4.8**	**9.8**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.0038**	**0.0025**	**0.0027**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.004**	**0.0046**	**0.004**	**0.007**	**0.004**	**0.0066**	**0.0036**
Groundwater Seep Samples																		
Seep-1	Seep-1	7/24/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0063	0.004 U	0.007 U	0.011	0.0092	0.0044
Seep-2	Seep-2	7/24/2013	0.0044	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0047	0.004 U	0.007 U	0.0046	0.0082	0.0036 U
Seep-3	Seep-3	7/24/2013	0.005	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0048	0.0066 U	0.0036 U
Seep-4	Seep-4	7/23/2013	0.035	0.0024 U	0.0028 U	**0.0088**	0.0078 U	**0.014**	**0.0078**	0.0076 U	**0.011**	0.004 U	0.019	0.004 U	**0.0078**	0.0051	0.011	0.021
Seep-5	Seep-5	7/23/2013	0.0038 U	0.0024 U	0.0028 U	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.0046 U	0.004 U	0.007 U	0.0056	0.0067	0.0036 U

Notes:
Values in bold and highlighted in orange exceed the preliminary groundwater cleanup levels at the groundwater compliance wells
Detected values in bold and highlighted in yellow exceed the preliminary groundwater screening levels
Non-detected values highlighted in blue exceed the preliminary groundwater cleanup levels at the groundwater compliance wells
Groundwater compliance wells are highlighted in green
µg/L = micrograms per liter.
NA = Not analyzed.
ND = Analyte not detected; however, detection limit not available
U = The laboratory report noted that the analyte was not detected at or above the reported resul
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is highe

Table 12
Groundwater Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	PCBs							Petroleum Hydrocarbons			
			Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)	Heavy Oil Range Organics (µg/L)	Total Petroleum Hydrocarbons (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**800**	**500**	**500**	**500**
Preliminary Groundwater Screening Levels[b] (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**800**	**500**	**500**	**500**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**12**	**6.9**	**52**	**52**
Groundwater Samples													
CMW-1	CMW-1-061708	6/17/2008	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	100 U	50 U	250 U	NA
CMW-1	CMW1-082311	8/23/2011	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	74.4 U	120 U	84.8 U	NA
CMW-1	CMW-1-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-1	CMW-1-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-2	CMW-2-061708	6/17/2008	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA
CMW-2	CMW-2A-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	100 U	100	250 U	NA
CMW-2	CMW2-082311	8/23/2011	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	74.4 U	120 U	84.8 U	NA
CMW-2	CMW-2-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-2	CMW-2-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-3	CMW-3-061708	6/17/2008	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	100 U	92	250 U	NA
CMW-3	CMW-3-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-3	CMW-3-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-4	CMW-4-061708	6/17/2008	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	100 U	67	250 U	NA
CMW-4	CMW-4-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	**0.033**	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-4	CMW-4-100313	10/3/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-5	CMW-5-061708	6/17/2008	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	100 U	50 U	250 U	NA
CMW-5	CMW-5-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-5	CMW-5-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-6	CMW-6-061708	6/17/2008	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	100 U	50 U	250 U	NA
CMW-6	CMW-6-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-6	CMW-6-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-7	CMW-7-061708	6/17/2008	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	100 U	50 U	250 U	NA
CMW-7	CMW-7-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
CMW-7	CMW-7-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
DMW-2	DMW2-042790	4/27/1990	ND	NA	NA	NA	ND	ND	ND	NA	NA	NA	10 U
DMW-2	DMW-2-0713	7/12/2013	**0.021**	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	**0.029**	81	200	52 U	NA
DMW-2	DMW-2-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	32	100	52 U	NA
DMW-3	DMW3-042790	4/27/1990	ND	NA	NA	NA	ND	ND	ND	NA	NA	NA	10 U
DMW-3	DMW-3-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	510	**3,100**	52 U	NA
DMW-3	DMW-3-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	710	**2,500**	52 U	NA
DMW-6	DMW6-043090	4/30/1990	ND	NA	NA	NA	ND	ND	ND	NA	NA	NA	10 U
DMW-6	DMW-6-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	15	7.3	52 U	NA
DMW-6	DMW-6-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-1S	EMW-1S-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-1S	EMW-1S-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-2S	EMW-2S-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	43	6.9 U	52 U	NA
EMW-2S	EMW-57S-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	36	6.9 U	52 U	NA
EMW-2S	EMW-2S-100313	10/3/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	110	6.9 U	52 U	NA
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	110	6.9 U	52 U	NA
EMW-3S	EMW-3S-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-3S	EMW-3S-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-4D	EMW-4D-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-4D	EMW-4D-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-5S	EMW-5S-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-5S	EMW-5S-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-6S	EMW-6S-0713	7/10/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	10	52 U	NA
EMW-6S	EMW-6S-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-7S	EMW-7S-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-7S	EMW-7S-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA

Table 12
Groundwater Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

			PCBs							Petroleum Hydrocarbons			
Location	Sample ID	Sample Date	Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)	Heavy Oil Range Organics (µg/L)	Total Petroleum Hydrocarbons (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**800**	**500**	**500**	**500**
Preliminary Groundwater Screening Levels[b] (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**800**	**500**	**500**	**500**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**12**	**6.9**	**52**	**52**
EMW-8S	EMW-8S-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-8S	EMW-8S-100313	10/3/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-9S	EMW-9S-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-9S	EMW-9S-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-10D	EMW-10D-0713	7/10/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-10D	EMW-56D-0713	7/10/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-10D	EMW-10D-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-11S	EMW-11S-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-11S	EMW-11S-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-12S	EMW-12S-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-12S	EMW-12S-100313	10/3/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	15	6.9 U	52 U	NA
EMW-13S	EMW-13S-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	**0.14**	0.01 UJ	12 U	23	52 U	NA
EMW-13S	EMW-13S-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-14D	EMW-14D-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-14D	EMW-14D-093013	9/30/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-15D	EMW-15D-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-15D	EMW-15D-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-16D	EMW-16D-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
EMW-16D	EMW-16D-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
FMW-1	FMW-1	4/27/1990	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA
FMW-2	FMW-2	4/27/1990	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA
FMW-3	FMW-3	4/27/1990	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA
HC-1	HC1/WELL-111888	11/18/1988	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	NA	NA	NA	NA
HC-2	HC2/MWHC2-111788	11/17/1988	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	NA	NA	NA	NA
HC-4	HC4/WELL-111888	11/18/1988	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	NA	NA	NA	NA
HC-20	HC-20-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
HC-20	HC-20-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
MW-1 (1988)	MW-1-1	11/17/1988	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	NA	NA	NA	NA
MW-1 (1994)	MW1-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	50 U	**530**	**760**	NA
MW-2	MW2-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	100	**2,800**	**2,300**	NA
MW-2	MW21-070794(dupl.)	7/7/1994	NA	NA	NA	NA	NA	NA	NA	97	**1,900**	**1,500**	NA
MW-3	MW3-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	50 U	490	750 U	NA
SLR-1	SLR1-082511	8/23/2011	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	74.4 U	120 U	NA	NA
SLR-1	SLR-1-0713	7/11/2013	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	12 U	6.9 U	52 U	NA
SLR-1	SLR-1-100313	10/3/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
SLR-2	SLR2-082511	8/23/2011	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	74.4 U	120 U	NA	NA
SLR-2	SLR-2-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
SLR-2	SLR-2-100213	10/2/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
SLR-3	SLR3-082511	8/23/2011	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	74.4 U	120 U	NA	NA
SLR-3	SLR-3-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	8.7	52 U	NA
SLR-3	SLR-3-100313	10/3/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
SLR-6	SLR6-082511	8/23/2011	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	74.4 U	120 U	NA	NA
SLR-6	SLR-6-0713	7/12/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
SLR-6	SLR-6-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	27	210	NA
SLR-7	SLR7-082511	8/23/2011	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	74.4 U	120 U	NA	NA
SLR-7	SLR-7-0713	7/11/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
SLR-7	SLR-7-100113	10/1/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA

Table 12
Groundwater Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	PCBs							Petroleum Hydrocarbons			
			Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)	Heavy Oil Range Organics (µg/L)	Total Petroleum Hydrocarbons (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**800**	**500**	**500**	**500**
Preliminary Groundwater Screening Levels[b] (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**800**	**500**	**500**	**500**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**12**	**6.9**	**52**	**52**
Groundwater Seep Samples													
Seep-1	Seep-1	7/24/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
Seep-2	Seep-2	7/24/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
Seep-3	Seep-3	7/24/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
Seep-4	Seep-4	7/23/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA
Seep-5	Seep-5	7/23/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	6.9 U	52 U	NA

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary groundwater screening levels.

Non-detected values highlighted in blue exceed the preliminary groundwater cleanup levels at the groundwater compliance wells

Groundwater compliance wells are highlighted in green.

µg/L = micrograms per liter.

NA = Not analyzed

ND = The laboratory report noted that the analyte not detected; however, detection limit not available.

U = The laboratory report noted that the analyte was not detected at or above the reported result.

UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.

[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.

[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 13
Groundwater Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	2,3,4,5-Tetrachlorophenol (µg/L)	2,3,4-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,6-Trichlorophenol (µg/L)	2,4,5-Trichlorophenol (µg/L)	2,4,6-Trichlorophenol (µg/L)	2,4-Dichlorophenol (µg/L)	2,4-Dimethylphenol (µg/L)	2,4-Dinitrophenol (µg/L)	2-Chlorophenol (µg/L)	2-Methylphenol (o-Cresol) (µg/L)	2-Nitrophenol (µg/L)	3,4,5-Trichlorophenol (µg/L)	3-Methylphenol and 4-Methylphenol coelution (µg/L)	4,6-Dinitro-2-Methylphenol (µg/L)	4-Chloro-3-methylphenol (µg/L)	4-Methylphenol (p-Cresol) (µg/L)	4-Nitrophenol (µg/L)	Pentachlorophenol (µg/L)	Phenol (µg/L)
Preliminary Groundwater Screening Levels[a] (µg/L)			**NV**	**NV**	**NV**	**NV**	**NV**	**0.56**	**NV**	**0.3**	**NV**	**NV**	**7.11**	**NV**	**NV**	**77.2**	**NV**	**NV**	**NV**	**NV**	**1.47**	**78.4**
Preliminary Groundwater Screening Levels[b] (µg/L)			**NV**	**NV**	**NV**	**NV**	**NV**	**0.56**	**NV**	**0.3**	**NV**	**NV**	**7.11**	**NV**	**NV**	**77.2**	**NV**	**NV**	**NV**	**NV**	**1.47**	**78.4**
2013 Practical Quantitation Limits (µg/L)			**NV**	**NV**	**NV**	**NV**	**0.22**	**0.28**	**NV**	**0.28**	**2.4**	**0.016**	**0.26**	**0.17**	**NV**	**0.41**	**0.38**	**0.24**	**NV**	**1.3**	**0.32**	**0.14**
Groundwater Samples																						
CMW-1	CMW-1-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	10 U	10 U
CMW-1	CMW1-082311	8/23/2011	NA	NA	NA	NA	10 U	10 U	10 U	2.8 U	30 U	10 U	3.94 U	10 U	NA	8.01 U	30 U	10 U	NA	10 U	0.98 U	0.96 U
CMW-1	CMW-1-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
CMW-1	CMW-1-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
CMW-2	CMW-2-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	10 U	10 U
CMW-2	CMW2-082311	8/23/2011	NA	NA	NA	NA	10 U	10 U	10 U	2.8 U	30 U	10 U	3.94 U	10 U	NA	8.01 U	30 U	10 U	NA	10 U	0.98 U	0.96 U
CMW-2	CMW-2-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	0.14 U
CMW-2	CMW-2-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.24
CMW-3	CMW-3-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	10 U	10 U
CMW-3	CMW-3-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	0.14 U
CMW-3	CMW-3-093013	9/30/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.24
CMW-4	CMW-4-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	10 U	10 U
CMW-4	CMW-4-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
CMW-4	CMW-4-100313	10/3/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
CMW-5	CMW-5-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	10 U	10 U
CMW-5	CMW-5-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	0.36
CMW-5	CMW-5-093013	9/30/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
CMW-6	CMW-6-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	10 U	10 U
CMW-6	CMW-6-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
CMW-6	CMW-6-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.18
CMW-7	CMW-7-061708	6/17/2008	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	10 U	10 U
CMW-7	CMW-7-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	0.14 U
CMW-7	CMW-7-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
DMW-2	DMW2-042790	4/27/1990	10 U	15 U	5 U	5 U	5 U	5 U	3 U	2 U	10 U	1 U	1 U	5 U	15 U	NA	10 U	2 U	1 U	5 U	5 U	2 U
DMW-2	DMW-2-0713	7/12/2013	NA	NA	NA	NA	22 U	28 U	26 U	28 U	240 U	16 U	26 U	17 U	NA	42 U	38 U	24 U	NA	130 U	32 U	140 U
DMW-2	DMW-2-093013	9/30/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 UJ	0.24 U	NA	1.3 U	0.32 U	1.4 U
DMW-3	DMW3-042790	4/27/1990	10 U	15 U	5 U	5 U	15 U	5 U	3 U	2 U	10 U	1 U	1 U	5 U	15 U	NA	10 U	2 U	1 U	5 U	5 U	2 U
DMW-3	DMW-3-0713	7/12/2013	NA	NA	NA	NA	22 U	28 U	26 U	28 U	240 U	16 U	26 U	17 U	NA	42 U	38 U	24 U	NA	130 U	32 U	140 U
DMW-3	DMW-3-093013	9/30/2013	NA	NA	NA	NA	22 U	28 U	26 U	28 U	240 U	16 U	NA	17 U	NA	42 U	38 UJ	24 U	NA	130 U	32 U	14 U
DMW-6	DMW6-043090	4/30/1990	10 U	15 U	5 U	5 U	15 U	5 U	3 U	2 U	10 U	1 U	1 U	5 U	15 U	NA	10 U	2 U	1 U	5 U	5 U	2 U
DMW-6	DMW-6-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
DMW-6	DMW-6-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-1S	EMW-1S-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	1.4 U
EMW-1S	EMW-1S-093013	9/30/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-2S	EMW-2S-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	0.14 U
EMW-2S	EMW-57S-0713(dupl.)	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 UJ	0.24 U	NA	1.3 U	0.32 UJ	1.4 U
EMW-2S	EMW-2S-100313	10/3/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-3S	EMW-3S-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-3S	EMW-3S-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-4D	EMW-4D-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-4D	EMW-4D-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.27
EMW-5S	EMW-5S-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-5S	EMW-5S-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-6S	EMW-6S-0713	7/10/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	1.4 U
EMW-6S	EMW-6S-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-7S	EMW-7S-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	1.4 U
EMW-7S	EMW-7S-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-8S	EMW-8S-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-8S	EMW-8S-100313	10/3/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-9S	EMW-9S-0713	7/12/2013	NA	NA	NA	NA	0.22 UJ	0.28 UJ	0.26 U	0.28 U	2.4 UJ	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 UJ	0.24 U	NA	1.3 UJ	0.32 UJ	1.4 U
EMW-9S	EMW-9S-093013	9/30/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 UJ	0.24 U	NA	1.3 U	0.32 U	0.14 U

Table 13
Groundwater Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	2,3,4,5-Tetrachlorophenol (µg/L)	2,3,4-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,6-Trichlorophenol (µg/L)	2,4,5-Trichlorophenol (µg/L)	2,4,6-Trichlorophenol (µg/L)	2,4-Dichlorophenol (µg/L)	2,4-Dimethylphenol (µg/L)	2,4-Dinitrophenol (µg/L)	2-Chlorophenol (µg/L)	2-Methylphenol (o-Cresol) (µg/L)	2-Nitrophenol (µg/L)	3,4,5-Trichlorophenol (µg/L)	3-Methylphenol and 4-Methylphenol coelution (µg/L)	4,6-Dinitro-2-Methylphenol (µg/L)	4-Chloro-3-methylphenol (µg/L)	4-Methylphenol (p-Cresol) (µg/L)	4-Nitrophenol (µg/L)	Pentachlorophenol (µg/L)	Phenol (µg/L)
Preliminary Groundwater Screening Levels[a] (µg/L)			**NV**	**NV**	**NV**	**NV**	**NV**	**0.56**	**NV**	**0.3**	**NV**	**NV**	**7.11**	**NV**	**NV**	**77.2**	**NV**	**NV**	**NV**	**NV**	**1.47**	**78.4**
Preliminary Groundwater Screening Levels[b] (µg/L)			**NV**	**NV**	**NV**	**NV**	**NV**	**0.56**	**NV**	**0.3**	**NV**	**NV**	**7.11**	**NV**	**NV**	**77.2**	**NV**	**NV**	**NV**	**NV**	**1.47**	**78.4**
2013 Practical Quantitation Limits (µg/L)			**NV**	**NV**	**NV**	**NV**	**0.22**	**0.28**	**NV**	**0.28**	**2.4**	**0.016**	**0.26**	**0.17**	**NV**	**0.41**	**0.38**	**0.24**	**NV**	**1.3**	**0.32**	**0.14**
EMW-10D	EMW-10D-0713	7/10/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	1.4 U
EMW-10D	EMW-56D-0713(dupl.)	7/10/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	1.4 U
EMW-10D	EMW-10D-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 UJ	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-11S	EMW-11S-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-11S	EMW-11S-093013	9/30/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 UJ	0.24 U	NA	1.3 U	0.32 U	0.38
EMW-12S	EMW-12S-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	0.21
EMW-12S	EMW-12S-100313	10/3/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-13S	EMW-13S-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-13S	EMW-13S-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.57
EMW-14D	EMW-14D-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-14D	EMW-14D-093013	9/30/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-15D	EMW-15D-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-15D	EMW-15D-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
EMW-16D	EMW-16D-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
EMW-16D	EMW-16D-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
FMW-1	FMW-1	4/27/1990	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	5 U	ND
FMW-2	FMW-2	4/27/1990	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	1.1 J	ND
FMW-3	FMW-3	4/27/1990	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	8 U	ND
HC-1	HC1/WELL-111888	11/18/1988	NA	NA	NA	NA	4 U	4 U	4 U	2 U	20 U	2 U	2 U	4 U	NA	NA	20 U	4 U	2 U	20 U	20 U	2 U
HC-2	HC2/MWHC2-111788	11/17/1988	NA	NA	NA	NA	4 U	4 U	4 U	2 U	20 U	2 U	2 U	4 U	NA	NA	20 U	4 U	2 U	20 U	20 U	2 U
HC-4	HC4/WELL-111888	11/18/1988	NA	NA	NA	NA	4 U	4 U	4 U	2 U	20 U	2 U	2 U	4 U	NA	NA	20 U	4 U	2 U	20 U	20 U	2 U
HC-20	HC-20-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 UJ	0.32 U	1.4 U
HC-20	HC-20-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
MW-1 (1988)	MW-1-1	11/17/1988	NA	NA	NA	NA	4 U	4 U	4 U	2 U	20 U	2 U	2 U	4 U	NA	NA	20 U	4 U	2 U	20 U	20 U	2 U
SLR-1	SLR1-082511	8/23/2011	NA	NA	NA	NA	10 U	10 U	10 U	2.8 U	30 U	10 U	3.94 U	10 U	NA	8.01 U	30 U	10 U	NA	10 U	0.98 U	0.96 U
SLR-1	SLR-1-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
SLR-1	SLR-1-100313	10/3/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.23
SLR-2	SLR2-082511	8/23/2011	NA	NA	NA	NA	10 U	10 U	10 U	2.8 U	30 U	10 U	3.94 U	10 U	NA	8.01 U	30 U	10 U	NA	10 U	0.98 U	0.96 U
SLR-2	SLR-2-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
SLR-2	SLR-2-100213	10/2/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
SLR-3	SLR3-082511	8/23/2011	NA	NA	NA	NA	10 U	10 U	10 U	2.8 U	30 U	10 U	3.94 U	10 U	NA	8.01 U	30 U	10 U	NA	10 U	0.98 U	0.96 U
SLR-3	SLR-3-0713	7/12/2013	NA	NA	NA	NA	2.2 U	2.8 U	2.6 U	2.8 U	24 U	1.6 U	2.6 U	1.7 U	NA	4.2 U	3.8 U	2.4 U	NA	13 U	3.2 U	14 U
SLR-3	SLR-3-100313	10/3/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
SLR-6	SLR6-082511	8/23/2011	NA	NA	NA	NA	10 U	10 U	10 U	2.8 U	30 U	10 U	3.94 U	10 U	NA	8.01 U	30 U	10 U	NA	10 U	0.98 U	0.96 U
SLR-6	SLR-6-0713	7/12/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
SLR-6	SLR-6-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 UJ	0.24 U	NA	1.3 U	0.32 U	0.14
SLR-7	SLR7-082511	8/23/2011	NA	NA	NA	NA	10 U	10 U	10 U	2.8 U	30 U	10 U	3.94 U	10 U	NA	8.01 U	30 U	10 U	NA	10 U	0.98 U	0.96 U
SLR-7	SLR-7-0713	7/11/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	1.4 U
SLR-7	SLR-7-100113	10/1/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 U	2.4 U	0.16 U	NA	0.17 U	NA	0.42 U	0.38 UJ	0.24 U	NA	1.3 U	0.32 U	0.26
Groundwater Seep Samples																						
Seep-1	Seep-1	7/24/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
Seep-2	Seep-2	7/24/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
Seep-3	Seep-3	7/24/2013	NA	NA	NA	NA	2.2 U	2.8 U	2.6 U	2.8 UJ	24 U	1.6 U	2.6 U	1.7 U	NA	4.2 U	3.8 U	2.4 U	NA	13 U	3.2 U	1.4 U
Seep-4	Seep-4	7/23/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
Seep-5	Seep-5	7/23/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.42 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U

Notes:

Non-detected values highlighted in blue exceed the preliminary groundwater cleanup levels at the groundwater compliance wells.
Groundwater compliance wells are highlighted in green.
µg/L = micrograms per liter.
NA = Not analyzed
NV = No value available.
ND = Analyte not detected; however,the detection limit is not available.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 14
Groundwater Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Bis(2-ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Dibutyl phthalate (µg/L)	Diethyl phthalate (µg/L)	Dimethyl phthalate (µg/L)	Di-N-Octyl Phthalate (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**1.2**	**0.41**	**46.6**	**484**	**143**	**0.3**
Preliminary Groundwater Screening Levels[b] (µg/L)			**1.2**	**0.41**	**46.6**	**484**	**143**	**0.3**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.17**	**0.086**	**0.068**	**0.06**	**0.05**	**0.044**
Groundwater Samples								
CMW-1	CMW-1-061708	6/17/2008	10 U	1 U	1 U	1 U	1 U	1 U
CMW-1	CMW1-082311	8/23/2011	1.43 U	0.54 U	1 U	1 U	1 U	1 U
CMW-1	CMW-1-0713	7/11/2013	0.3 E	0.086 U	0.068 U	0.06 U	0.05 U	0.045
CMW-1	CMW-1-100213	10/2/2013	0.41 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-2	CMW-2-061708	6/17/2008	10 U	1 U	1 U	1 U	1 U	1 U
CMW-2	CMW2-082311	8/23/2011	1.43 U	0.54 U	1 U	1 U	1 U	1 U
CMW-2	CMW-2-0713	7/12/2013	0.59 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-2	CMW-2-100113	10/1/2013	0.52 E	0.086 U	0.068 U	0.07	0.05 U	0.044 U
CMW-3	CMW-3-061708	6/17/2008	10 U	1 U	1 U	1 U	1 U	1 U
CMW-3	CMW-3-0713	7/12/2013	1.1 E	0.086 U	0.068 U	0.075 Ic	0.05 U	0.044 U
CMW-3	CMW-3-093013	9/30/2013	0.28 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-4	CMW-4-061708	6/17/2008	10 U	1 U	1 U	1 U	1 U	1 U
CMW-4	CMW-4-0713	7/11/2013	0.28 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-4	CMW-4-100313	10/3/2013	0.31 B	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-5	CMW-5-061708	6/17/2008	NA	NA	NA	NA	1 U	1 U
CMW-5	CMW-5-0713	7/12/2013	0.48 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-5	CMW-5-093013	9/30/2013	0.17 U	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-6	CMW-6-061708	6/17/2008	10 U	1 U	1 U	1 U	1 U	1 U
CMW-6	CMW-6-0713	7/12/2013	0.28 E	0.086 UJ	0.068 U	0.06 U	0.05 U	0.044 UJ
CMW-6	CMW-6-100113	10/1/2013	0.42 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-7	CMW-7-061708	6/17/2008	10 U	1 U	1 U	1 U	1 U	1 U
CMW-7	CMW-7-0713	7/12/2013	0.51 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
CMW-7	CMW-7-100213	10/2/2013	0.21 B	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
DMW-2	DMW2-042790	4/27/1990	12 B	1 U	1 U	1 U	1 U	1 U
DMW-2	DMW-2-0713	7/12/2013	17 U	8.6 U	6.8 U	6 U	5 U	4.4 U
DMW-2	DMW-2-093013	9/30/2013	0.17 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
DMW-3	DMW3-042790	4/27/1990	20 B	1 U	1 U	1 U	1 U	1 U
DMW-3	DMW-3-0713	7/12/2013	17 U	8.6 U	6.8 U	6 U	5 U	4.4 U
DMW-3	DMW-3-093013	9/30/2013	17 U	8.6 U	6.8 U	6 U	5 U	4.4 U
DMW-6	DMW6-043090	4/30/1990	19 B	1 U	1 U	1 U	1 U	1 U
DMW-6	DMW-6-0713	7/11/2013	0.26 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 UJ
DMW-6	DMW-6-100213	10/2/2013	0.23 B	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-1S	EMW-1S-0713	7/11/2013	0.58 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-1S	EMW-1S-093013	9/30/2013	0.17 U	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-2S	EMW-2S-0713	7/12/2013	0.42 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-2S	EMW-57S-0713(dupl.)	7/12/2013	0.26 E	0.086 U	0.068 UJ	0.06 U	0.05 U	0.044 UJ
EMW-2S	EMW-2S-100313	10/3/2013	0.18 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	0.24 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-3S	EMW-3S-0713	7/11/2013	0.27 E	0.086 U	0.068 U	0.09 Ic	0.05 U	0.044 U
EMW-3S	EMW-3S-100113	10/1/2013	0.25 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-4D	EMW-4D-0713	7/11/2013	0.3 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-4D	EMW-4D-100113	10/1/2013	0.36 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-5S	EMW-5S-0713	7/12/2013	0.28 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-5S	EMW-5S-100213	10/2/2013	0.19 B	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-6S	EMW-6S-0713	7/10/2013	0.54 E	0.086 U	0.068 U	0.087 Ic	0.05 U	0.044 U
EMW-6S	EMW-6S-100213	10/2/2013	0.19 B	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-7S	EMW-7S-0713	7/11/2013	0.79 E	0.086 U	0.068 U	0.16 Ic	0.05 U	0.044 U
EMW-7S	EMW-7S-100213	10/2/2013	0.24 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U

Table 14
Groundwater Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Bis(2-ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Dibutyl phthalate (µg/L)	Diethyl phthalate (µg/L)	Dimethyl phthalate (µg/L)	Di-N-Octyl Phthalate (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**1.2**	**0.41**	**46.6**	**484**	**143**	**0.3**
Preliminary Groundwater Screening Levels[b] (µg/L)			**1.2**	**0.41**	**46.6**	**484**	**143**	**0.3**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.17**	**0.086**	**0.068**	**0.06**	**0.05**	**0.044**
EMW-8S	EMW-8S-0713	7/12/2013	0.35 E	0.086 UJ	0.068 U	0.06 U	0.05 U	0.044 UJ
EMW-8S	EMW-8S-100313	10/3/2013	0.18	0.086 U	0.068 U	0.065	0.05 U	0.044 U
EMW-9S	EMW-9S-0713	7/12/2013	0.3 E	0.086 UJ	0.068 UJ	0.06 UJ	0.05 UJ	0.044 UJ
EMW-9S	EMW-9S-093013	9/30/2013	0.17 E	0.086 U	0.068 U	0.077	0.05 U	0.044 U
EMW-10D	EMW-10D-0713	7/10/2013	0.51 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-10D	EMW-56D-0713(dupl.)	7/10/2013	0.73 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-10D	EMW-10D-100113	10/1/2013	0.3 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	0.31 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-11S	EMW-11S-0713	7/11/2013	0.49 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-11S	EMW-11S-093013	9/30/2013	0.2 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-12S	EMW-12S-0713	7/12/2013	0.45 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-12S	EMW-12S-100313	10/3/2013	0.24 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-13S	EMW-13S-0713	7/11/2013	0.35 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-13S	EMW-13S-100113	10/1/2013	0.41 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-14D	EMW-14D-0713	7/11/2013	0.33 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 UJ
EMW-14D	EMW-14D-093013	9/30/2013	0.17 U	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-15D	EMW-15D-0713	7/11/2013	0.33 E	0.086 UJ	0.068 U	0.06 U	0.05 U	0.044 UJ
EMW-15D	EMW-15D-100113	10/1/2013	0.33 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
EMW-16D	EMW-16D-0713	7/11/2013	0.22 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 UJ
EMW-16D	EMW-16D-100213	10/2/2013	0.19 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
FMW-1	FMW-1	4/27/1990	29 B	ND U	ND U	ND U	ND U	ND U
FMW-2	FMW-2	4/27/1990	6.7 B	ND U	ND U	ND U	ND U	ND U
FMW-3	FMW-3	4/27/1990	17 B	ND U	ND U	ND U	ND U	ND U
HC-1	HC1/WELL-111888	11/18/1988	4 B	2 U	4 U	2 U	2 U	2 U
HC-2	HC2/MWHC2-111788	11/17/1988	5 B	2 U	4 U	2 U	2 U	2 U
HC-4	HC4/WELL-111888	11/18/1988	6 B	2 U	4 U	2 U	2 U	2 U
HC-20	HC-20-0713	7/11/2013	0.67 E	0.086 U	0.068 U	0.08 Ic	0.05 U	0.044 U
HC-20	HC-20-100113	10/1/2013	0.4 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
MW-1 (1988)	MW-1-1	11/17/1988	47 B	2 U	4 U	2 U	2 U	2 U
SLR-1	SLR1-082511	8/23/2011	1.43 U	0.54 U	1 U	1 U	1 U	1 U
SLR-1	SLR-1-0713	7/11/2013	0.64 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
SLR-1	SLR-1-100313	10/3/2013	0.3 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
SLR-2	SLR2-082511	8/23/2011	1.43 U	0.54 U	1 U	1 U	1 U	1 U
SLR-2	SLR-2-0713	7/11/2013	0.53 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
SLR-2	SLR-2-100213	10/2/2013	0.23 B	0.086 U	0.068 U	0.14	0.05 U	0.044 U
SLR-3	SLR3-082511	8/23/2011	1.43 U	0.54 U	1 U	1 U	1 U	1 U
SLR-3	SLR-3-0713	7/12/2013	1.7 U	0.86 U	0.68 U	0.6 U	0.5 U	0.44 U
SLR-3	SLR-3-100313	10/3/2013	1 E	0.086 U	0.068 U	0.065	0.05 U	0.044 U
SLR-6	SLR6-082511	8/23/2011	1.43 U	0.54 U	1 U	1 U	1 U	1 U
SLR-6	SLR-6-0713	7/12/2013	0.82 E	0.086 U	0.068 U	0.17 Ic	0.05 U	0.044 U
SLR-6	SLR-6-100113	10/1/2013	0.36 E	0.086 U	0.068 U	0.13	0.05 U	0.044 U
SLR-7	SLR7-082511	8/23/2011	1.43 U	0.54 U	1 U	1 U	1 U	1 U
SLR-7	SLR-7-0713	7/11/2013	0.31 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
SLR-7	SLR-7-100113	10/1/2013	0.31 B	0.086 UJ	0.068 U	0.06 U	0.05 U	0.044 UJ
Groundwater Seep Samples								
Seep-1	Seep-1	7/24/2013	1.2 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
Seep-2	Seep-2	7/24/2013	0.28 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 UJ
Seep-3	Seep-3	7/24/2013	1.7 U	0.86 U	0.68 U	0.6 U	0.5 U	0.44 U
Seep-4	Seep-4	7/23/2013	0.51 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U
Seep-5	Seep-5	7/23/2013	0.55 E	0.086 U	0.068 U	0.06 U	0.05 U	0.044 U

Table 14
Groundwater Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Bis(2-ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Dibutyl phthalate (µg/L)	Diethyl phthalate (µg/L)	Dimethyl phthalate (µg/L)	Di-N-Octyl Phthalate (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**1.2**	**0.41**	**46.6**	**484**	**143**	**0.3**
Preliminary Groundwater Screening Levels[b] (µg/L)			**1.2**	**0.41**	**46.6**	**484**	**143**	**0.3**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.17**	**0.086**	**0.068**	**0.06**	**0.05**	**0.044**

Notes:

Non-detected values highlighted in blue exceed the preliminary groundwater cleanup levels at the groundwater compliance wells.
Results that exceed the screening levels due to possible interference from laboratory contamination are highlighted in purple.
Groundwater compliance wells are highlighted in green.
µg/L = micrograms per liter.
NA = Not analyzed
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
B = The laboratory report noted that the analyte was detected in the sample and method blank, and the reported result is sample concentration without correction or associated quantitation limit.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
lc = The laboratory report noted that the presence of the compound indicated is likely due to laboratory contamination.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 15
Groundwater Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,2,4-Trichlorobenzene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	2,4-Dinitrotoluene (µg/L)	2,6-Dinitrotoluene (µg/L)	2-Chloronaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	2-Nitroaniline (µg/L)	3,3-Dichlorobenzidine (µg/L)	4-Bromophenyl phenyl ether (µg/L)	4-Chloroaniline (µg/L)	4-Chlorophenyl-Phenylether (µg/L)	4-Nitroaniline (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	Bis(2-chloroethoxy) methane (µg/L)	Bis(2-Chloroethyl) Ether (µg/L)	Bis(2-chloroisopropyl) ether (µg/L)	Carbazole (µg/L)	Dibenzofuran (µg/L)	Hexachlorobenzene (µg/L)	Hexachlorobutadiene (µg/L)	Hexachlorocyclopentadiene (µg/L)	Hexachloroethane (µg/L)	Isophorone (µg/L)	m-Nitroaniline (µg/L)	Nitrobenzene (µg/L)	N-Nitrosodi-n-propylamine (µg/L)	N-Nitrosodi -Phenylamine (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**1.13**	**5.19**	**600**	**1.7**	**NV**	**NV**	**NV**	**18.2**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**2,243**	**182**	**NV**	**NV**	**NV**	**NV**	**1.3**	**0.05**	**0.9**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**1.38**
Preliminary Groundwater Screening Levels[b] (µg/L)			**1.13**	**5.19**	**600**	**1.7**	**NV**	**NV**	**NV**	**18.2**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**2,243**	**182**	**NV**	**NV**	**NV**	**NV**	**1.3**	**0.05**	**0.9**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**1.38**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.05**	**0.024**	**0.034**	**0.034**	**0.056**	**0.062**	**0.044**	**0.034**	**0.086**	**0.807**	**0.056**	**0.056**	**0.072**	**0.56**	**14**	**0.4**	**0.034**	**0.06**	**0.03**	**0.048**	**0.034**	**0.05**	**0.07**	**0.094**	**0.06**	**0.03**	**0.46**	**0.044**	**0.11**	**0.05**
Groundwater Samples																																	
CMW-1	CMW1-082311	8/23/2011	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.009 U	1 U	NA	1 U	3 U	1 U	10 U	94.5 U	10 U	1 U	10 U	10 U	0.048 U	0.034 U	1 U	1 U	0.094 U	0.06 U	0.03 U	0.46 U	1 U	10 U	1 U
CMW-1	CMW-1-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	1 U	1 U	0.05 U	0.07 U	3 U	1 U	1 U	3 U	0.044 U	0.11 U	0.05 U
CMW-1	CMW-1-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
CMW-2	CMW2-082311	8/23/2011	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.009 U	1 U	NA	1 U	3 U	1 U	10 U	94.5 U	10 U	1 U	10 U	10 U	0.048 U	0.034 U	1 U	1 U	0.094 U	0.06 U	0.03 U	0.46 U	1 U	10 U	1 U
CMW-2	CMW-2-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	1 U	1 U	0.05 U	0.07 U	3 U	1 U	1 U	3 U	0.044 U	0.11 U	0.05 U
CMW-2	CMW-2-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
CMW-3	CMW-3-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
CMW-3	CMW-3-093013	9/30/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
CMW-4	CMW-4-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
CMW-4	CMW-4-100313	10/3/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
CMW-5	CMW-5-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
CMW-5	CMW-5-093013	9/30/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
CMW-6	CMW-6-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.6 U	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
CMW-6	CMW-6-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
CMW-7	CMW-7-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
CMW-7	CMW-7-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
DMW-2	DMW2-042790	4/27/1990	1 U	1 U	1 U	1 U	5 U	5 U	1 U	3.7	5 U	5 U	1 U	3 U	1 U	5 U	10 U	5 U	1 U	1 U	1 U	NA	**6.7**	1 U	2 U	5 U	2 U	1 U	5 U	1 U	1 U	1 U
DMW-2	DMW-2-0713	7/12/2013	5 U	2.4 U	3.4 U	3.4 U	5.6 U	6.2 U	4.4 U	**36**	8.6 U	NA	5.6 U	5.6 UJ	7.2 U	56 U	1,400 U	40 U	3.4 U	6 U	3 U	6	**4.2**	5 U	7 U	9.4 U	6 U	3 U	46 U	4.4 U	11 U	5 U
DMW-2	DMW-2-093013	9/30/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	16 E	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	3.2	2	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
DMW-3	DMW3-042790	4/27/1990	1 U	1 U	1 U	1 U	5 U	5 U	1 U	**55**	5 U	5 U	1 U	3 U	1 U	5 U	10 U	5 U	1 U	1 U	1 U	NA	NA	1 U	2 U	NA	NA	NA	NA	1 U	1 U	1 U
DMW-3	DMW-3-0713	7/12/2013	5 U	2.4 U	3.4 U	3.4 U	5.6 U	6.2 U	4.4 U	**170**	8.6 U	NA	5.6 U	5.6 UJ	7.2 U	56 U	1,400 U	40 U	3.4 U	6 U	3 U	58	**94**	5 U	7 U	9.4 U	6 U	3 U	46 U	4.4 U	11 U	5 U
DMW-3	DMW-3-093013	9/30/2013	5 U	2.4 U	3.4 U	3.4 U	5.6 U	6.2 U	190	8.6 U	5.6 U	5.6 U	7.2 U	56 U	1400 U	40 U	3.4 U	6 U	3 U	66	97	5 U	7 U	9.4 U	6 U	3 U	46 U	4.4 U	11 U	5 U	26 U	4.4 U
DMW-6	DMW6-043090	4/30/1990	1 U	1 U	1 U	1 U	5 U	5 U	1 U	1 U	5 U	5 U	1 U	3 U	1 U	5 U	10 U	5 U	1 U	1 U	1 U	NA	NA	1 U	2 U	NA	NA	NA	NA	1 U	1 U	1 U
DMW-6	DMW-6-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
DMW-6	DMW-6-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-1S	EMW-1S-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-1S	EMW-1S-093013	9/30/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-2S	EMW-2S-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.087	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-2S	EMW-57S-0713(dupl.)	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 UJ	0.056 UJ	0.072 U	0.6 UJ	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 UJ	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 UJ
EMW-2S	EMW-2S-100313	10/3/2013	0.05 U	0.027	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	0.05 U	0.025	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-3S	EMW-3S-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.06	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-3S	EMW-3S-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-4D	EMW-4D-0713	7/11/2013	0.05 U	0.024 U	0.1	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-4D	EMW-4D-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-5S	EMW-5S-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-5S	EMW-5S-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-6S	EMW-6S-0713	7/10/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-6S	EMW-6S-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-7S	EMW-7S-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-7S	EMW-7S-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-8S	EMW-8S-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-8S	EMW-8S-100313	10/3/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-9S	EMW-9S-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 UJ	0.062 UJ	0.044 UJ	0.034 U	0.086 UJ	NA	0.056 UJ	0.056 UJ	0.072 UJ	0.56 UJ	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 UJ	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 UJ
EMW-9S	EMW-9S-093013	9/30/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.18	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-10D	EMW-10D-0713	7/10/2013	0.05 U	0.024 U	0.13	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 UJ	0.68 U	0.05 U	0.07 U	1.9 U	0.06 U	0.6 U	9.2 U	0.044 U	0.11 U	0.05 U
EMW-10D	EMW-56D-0713(dupl.)	7/10/2013	0.05 U	0.024 U	0.1	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.96 U	0.034 U	0.05 U	0.07 U	0.094 U	1.2 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-10D	EMW-10D-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-11S	EMW-11S-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-11S	EMW-11S-093013	9/30/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-12S	EMW-12S-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-12S	EMW-12S-100313	10/3/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-13S	EMW-13S-0713	7/11/2013	0.05 U	0.024 U	0.07	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-13S	EMW-13S-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.18	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.45	0.43	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-14D	EMW-14D-0713	7/11/2013	0.05 U	0.024 U	0.042	0.068 U	0.056 U	0.062 U	0.044 U	0.06	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
EMW-14D	EMW-14D-093013	9/30/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-15D	EMW-15D-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.27 E	0.34 U	0.05 U	0.07 U	0.94 U	0.06 U	0.3 U	4.6 U	0.044 U	0.11 U	0.05 U
EMW-15D	EMW-15D-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
EMW-16D	EMW-16D-0713	7/11/2013	0.05 U	0.024 U	0.052	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.55	0.042 E	0.05 U	0.07 U	0.094 UJ	0.6 U	0.03 U	0.46 UJ	0.044 U	0.11 U	0.05 U
EMW-16D	EMW-16D-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
HC-1	HC1-WELL-111888	11/18/1988	2 U	2 U	2 U	2 U	4 U	4 U	2 U	2 U	4 U	20 U	4 U	2 U	2 U	4 U	50 U	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	4 U	4 U	2 U	10 U	2 U	2 U	2 U
HC-2	HC2-MWHC2-111788	11/17/1988	2 U	2 U	2 U	2 U	4 U	4 U	2 U	2 U	4 U	20 U	4 U	2 U	2 U	4 U	50 U	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	4 U	4 U	2 U	10 U	2 U	2 U	2 U
HC-4	HC4-WELL-111888	11/18/1988	2 U	2 U	2 U	2 U	4 U	4 U	2 U	2 U	4 U	20 U	4 U	2 U	2 U	4 U	50 U	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	4 U	4 U	2 U	10 U	2 U	2 U	2 U
HC-20	HC-20-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0

Table 15
Groundwater Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,2,4-Trichlorobenzene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	2,4-Dinitrotoluene (µg/L)	2,6-Dinitrotoluene (µg/L)	2-Chloronaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	2-Nitroaniline (µg/L)	3,3-Dichlorobenzidine (µg/L)	4-Bromophenyl phenyl ether (µg/L)	4-Chloroaniline (µg/L)	4-Chlorophenyl-Phenylether (µg/L)	4-Nitroaniline (µg/L)	Benzoic acid (µg/L)	Benzyl Alcohol (µg/L)	Bis(2-chloroethoxy) methane (µg/L)	Bis(2-Chloroethyl) Ether (µg/L)	Bis(2-chloroisopropyl) ether (µg/L)	Carbazole (µg/L)	Dibenzofuran (µg/L)	Hexachlorobenzene (µg/L)	Hexachlorobutadiene (µg/L)	Hexachlorocyclopentadiene (µg/L)	Hexachloroethane (µg/L)	Isophorone (µg/L)	m-Nitroaniline (µg/L)	Nitrobenzene (µg/L)	N-Nitrosodi-n-propylamine (µg/L)	N-Nitrosodi -Phenylamine (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**1.13**	**5.19**	**600**	**1.7**	**NV**	**NV**	**NV**	**18.2**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**2,243**	**182**	**NV**	**NV**	**NV**	**NV**	**1.3**	**0.05**	**0.9**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**1.38**
Preliminary Groundwater Screening Levels[b] (µg/L)			**1.13**	**5.19**	**600**	**1.7**	**NV**	**NV**	**NV**	**18.2**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**2,243**	**182**	**NV**	**NV**	**NV**	**NV**	**1.3**	**0.05**	**0.9**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**1.38**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.05**	**0.024**	**0.034**	**0.034**	**0.056**	**0.062**	**0.044**	**0.034**	**0.086**	**0.807**	**0.056**	**0.056**	**0.072**	**0.56**	**14**	**0.4**	**0.034**	**0.06**	**0.03**	**0.048**	**0.034**	**0.05**	**0.07**	**0.094**	**0.06**	**0.03**	**0.46**	**0.044**	**0.11**	**0.05**
SLR-1	SLR1-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.014	1 U	NA	1 U	3 U	1 U	10 U	94.5 U	10 U	1 U	10 U	10 U	0.048 U	0.034 U	1 U	1 U	0.094 U	0.06 U	0.03 U	0.46 U	1 U	10 U	1 U
SLR-1	SLR-1-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	1 U	1 U	0.05 U	0.07 U	3 U	1 U	1 U	3 U	0.044 U	0.11 U	0.05 U
SLR-1	SLR-1-100313	10/3/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
SLR-2	SLR2-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.009 U	1 U	NA	1 U	3 U	1 U	10 U	94.5 U	10 U	1 U	10 U	10 U	0.048 U	0.034 U	1 U	1 U	0.094 U	0.06 U	0.03 U	0.46 U	1 U	10 U	1 U
SLR-2	SLR-2-100213	10/2/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
SLR-2	SLR-2-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	1 U	1 U	0.05 U	0.07 U	3 U	1 U	1 U	3 U	0.044 U	0.11 U	0.05 U
SLR-3	SLR3-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.067	1 U	NA	1 U	3 U	1 U	10 U	94.5 U	10 U	1 U	10 U	10 U	0.48 U	0.34 U	1 U	1 U	0.94 U	0.6 U	0.3 U	4.6 U	1 U	10 U	1 U
SLR-3	SLR-3-100313	10/3/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
SLR-3	SLR-3-0713	7/12/2013	0.5 U	0.24 U	0.34 U	0.34 U	0.56 U	0.62 U	0.44 U	0.34 U	0.86 U	NA	0.56 U	0.56 UJ	0.72 U	5.6 U	140 U	4 U	0.34 U	0.6 U	0.3 U	1 U	1 U	0.5 U	0.7 U	3 U	1 U	1 U	3 U	0.44 U	1.1 U	0.5 U
SLR-6	SLR6-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.012	1 U	NA	1 U	3 U	1 U	10 U	94.5 U	10 U	1 U	10 U	10 U	0.048 U	0.034 U	1 U	1 U	0.094 U	0.06 U	0.03 U	0.46 U	1 U	10 U	1 U
SLR-6	SLR-6-0713	7/12/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	1 U	1 U	0.05 U	0.07 U	3 U	1 U	1 U	3 U	0.044 U	0.11 U	0.05 U
SLR-6	SLR-6-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
SLR-7	SLR7-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.091	1 U	NA	1 U	3 U	1 U	10 U	94.5 U	10 U	1 U	10 U	10 U	0.048 U	0.034 U	1 U	1 U	0.094 U	0.06 U	0.03 U	0.46 U	1 U	10 U	1 U
SLR-7	SLR-7-0713	7/11/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 UJ	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	1 U	1 U	0.05 U	0.07 U	3 U	1 U	1 U	3 U	0.044 U	0.11 U	0.05 U
SLR-7	SLR-7-100113	10/1/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U	0.26 U	0.044 U
Groundwater Seep Samples																																	
Seep-1	Seep-1	7/24/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
Seep-2	Seep-2	7/24/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
Seep-3	Seep-3	7/24/2013	0.5 U	0.24 U	0.34 U	0.34 U	0.56 U	0.62 U	0.44 U	0.34 U	0.86 U	NA	0.56 U	0.56 U	0.72 U	5.6 U	140 U	4 U	0.34 U	0.6 U	0.3 U	0.48 U	0.34 U	0.5 U	0.7 U	0.94 U	0.6 U	0.3 U	4.6 U	0.44 U	1.1 U	0.5 U
Seep-4	Seep-4	7/23/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
Seep-5	Seep-5	7/23/2013	0.05 U	0.024 U	0.034 U	0.034 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	NA	0.056 U	0.056 U	0.072 U	0.56 U	14 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U

Notes:

Detected values in bold and highlighted in orange exceed the preliminary groundwater cleanup levels at the groundwater compliance wells

Detected values in bold and highlighted in yellow exceed the preliminary groundwater screening levels

Non-detected values highlighted in blue exceed the preliminary groundwater cleanup levels at the groundwater compliance wells

Groundwater compliance wells are highlighted in green

µg/L = micrograms per liter.

NA = Not analyzed

NV = No value available.

NR = Not recorded

U = The laboratory report noted that the analyte was not detected at or above the reported result.

UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.

[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.

[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 16
Groundwater Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,1,1,2-Tetrachloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,1,2-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,1-Dichloropropene (µg/L)	1,2,3-Trichlorobenzene (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trichlorobenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,2-Dichloroethane (µg/L)	1,2-Dichloropropane (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,3-Dichloropropane (µg/L)	1,4-Dichlorobenzene (µg/L)	2,2-Dichloropropane (µg/L)	2-Chlorotoluene (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			NV	200	0.33	0.77	1	0.73	NV	NV	NV	1.13	303	NV	5.19	0.48	3.7	45.2	600	NV	4	NV	NV
Preliminary Groundwater Screening Levels[b] (µg/L)			NV	200	0.33	0.77	1	0.73	NV	NV	NV	1.13	303	NV	5.19	0.48	3.7	45.2	600	NV	4	NV	NV
2013 Laboratory Practical Quantitation Limits (µg/L)			0.32	0.2	0.24	0.28	0.18	0.19	0.26	0.38	0.28	0.34	0.11	0.44	0.13	0.11	0.32	0.18	0.15	0.2	0.09	0.3	0.13
Groundwater Samples																							
CMW-1	CMW-1-061708	6/17/2008	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
CMW-1	CMW1-082311	8/23/2011	1 U	0.58 U	1 U	0.57 U	0.6 U	0.36 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CMW-1	CMW-1-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-1	CMW-1-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U
CMW-2	CMW-2A-061708	6/17/2008	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
CMW-2	CMW2-082311	8/23/2011	1 U	0.58 U	1 U	0.57 U	0.6 U	0.36 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CMW-2	CMW-2-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-2	CMW-2-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U
CMW-3	CMW-3-061708	6/17/2008	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
CMW-3	CMW-3-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-3	CMW-3-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-4	CMW-4-061708	6/17/2008	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
CMW-4	CMW-4-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-4	CMW-4-100313	10/3/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-5	CMW-5-061708	6/17/2008	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
CMW-5	CMW-5-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-5	CMW-5-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-6	CMW-6-061708	6/17/2008	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
CMW-6	CMW-6-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-6	CMW-6-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U
CMW-7	CMW-7-061708	6/17/2008	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	NA	NA	NA
CMW-7	CMW-7-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
CMW-7	CMW-7-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U
DMW-2	DMW2-042790	4/27/1990	NA	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA
DMW-2	DMW-2-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.56	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
DMW-2	DMW-2-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.26	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
DMW-3	DMW3-042790	4/27/1990	NA	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA
DMW-3	DMW-3-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	1.6	0.44 U	0.13 U	0.11 U	0.32 U	0.34	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
DMW-3	DMW-3-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	1.5	0.44 UJ	0.13 U	0.11 U	0.32 U	0.25	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
DMW-6	DMW6-043090	4/30/1990	NA	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA
DMW-6	DMW-6-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
DMW-6	DMW-6-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U
EMW-1S	EMW-1S-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-1S	EMW-1S-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-2S	EMW-2S-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-2S	EMW-57S-0713(dupl.)	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-2S	EMW-2S-100313	10/3/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-2S	EMW-57S-100313(dupl.)	10/3/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-3S	EMW-3S-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-3S	EMW-3S-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U
EMW-4D	EMW-4D-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U
EMW-4D	EMW-4D-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U

Sample ID	2-Hexanone (µg/L)	4-Chlorotoluene (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Bromobenzene (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	CFC-11 (µg/L)	CFC-113 (µg/L)	CFC-12 (µg/L)	Chlorobenzene (µg/L)	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Cis-1,3-Dichloropropene (µg/L)	Cumene (µg/L)	Dibromomethane (µg/L)	Dichlorobromomethane (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)	NV	2,600	6,000	1.2	NV	140	NV	NV	0.46	NV	NV	NV	20	NV	0.24	4.3	18.9	130	NV	NV	NV	17
Preliminary Groundwater Screening Levels[b] (µg/L)	NV	2,600	6,000	1.2	NV	140	NV	NV	0.46	NV	NV	NV	20	NV	0.24	4.3	18.9	130	NV	NV	NV	17
2013 Laboratory Practical Quantitation Limits (µg/L)	1	0.16	2.6	0.13	0.18	0.22	0.2	NV	0.24	0.17	NV	0.16	0.1	0.24	0.18	0.24	0.22	0.24	0.2	NV	0.28	0.38
CMW-1-061708	NA	NA	1 U	0.2 U	NA	NA	NA	NA	1 U	NA	NA	NA	5 U	NA	10 U	1 U	1 U	NA	NA	NA	NA	NA
CMW1-082311	10 U	1 U	5.5 U	0.35 U	1 U	1 U	1 U	NA	0.7 U	1 U	NA	10 U	0.3 U	1 U	1 U	0.4 U	0.8 U	1 U	1 U	1 U	1 U	1 U
CMW-1-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-1-100213	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-2A-061708	NA	NA	1 U	0.2 U	NA	NA	NA	NA	1 U	NA	NA	NA	5 U	NA	10 U	1 U	1 U	NA	NA	NA	NA	NA
CMW2-082311	10 U	1 U	5.5 U	0.35 U	1 U	1 U	1 U	NA	0.7 U	1 U	NA	10 U	0.3 U	1 U	1 U	0.4 U	0.8 U	1 U	1 U	1 U	1 U	1 U
CMW-2-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-2-100113	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-3-061708	NA	NA	1 U	0.2 U	NA	NA	NA	NA	1 U	NA	NA	NA	5 U	NA	10 U	1 U	1 U	NA	NA	NA	NA	NA
CMW-3-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-3-093013	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-4-061708	NA	NA	1 U	0.2 U	NA	NA	NA	NA	1 U	NA	NA	NA	5 U	NA	10 U	1 U	1 U	NA	NA	NA	NA	NA
CMW-4-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-4-100313	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-5-061708	NA	NA	1 U	0.2 U	NA	NA	NA	NA	1 U	NA	NA	NA	5 U	NA	10 U	1 U	1 U	NA	NA	NA	NA	NA
CMW-5-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-5-093013	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-6-061708	NA	NA	1 U	0.2 U	NA	NA	NA	NA	1 U	NA	NA	NA	5 U	NA	10 U	1 U	1 U	NA	NA	NA	NA	NA
CMW-6-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-6-100113	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-7-061708	NA	NA	1 U	0.2 U	NA	NA	NA	NA	1 U	NA	NA	NA	5 U	NA	10 U	1 U	1 U	NA	NA	NA	NA	NA
CMW-7-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
CMW-7-100213	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
DMW2-042790	5 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	NA	1 U	1 U	2 U	1 U	1 U	1 U	1 U	NA	NA	1 U
DMW-2-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
DMW-2-093013	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.3	0.2 U	0.15 U	0.28 U	0.38 U
DMW3-042790	5 U	NA	7	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	NA	1 U	1 U	2 U	1 U	1 U	1 U	1 U	NA	NA	1 U
DMW-3-0713	1 U	0.16 U	26 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	2.4 U	0.2 U	0.15 U	0.28 U	0.38 U
DMW-3-093013	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	2.4 U	0.2 U	0.15 U	0.28 U	0.38 U
DMW6-043090	5 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	NA	1 U	1 U	2 U	1 U	1 U	1.5	1 U	NA	NA	1 U
DMW-6-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
DMW-6-100213	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
EMW-1S-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
EMW-1S-093013	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
EMW-2S-0713	1 U	0.16 U	2.6 U	0.26	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.91	0.2 U	0.15 U	0.28 U	0.38 U
EMW-57S-0713(dupl.)	1 U	0.16 U	2.6 U	0.26	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.92	0.2 U	0.15 U	0.28 U	0.38 U
EMW-2S-100313	1 U	0.16 U	2.6 U	0.42	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	1	0.2 U	0.15 U	0.28 U	0.38 U
EMW-57S-100313(dupl.)	1 U	0.16 U	2.6 U	0.45	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	1.1	0.2 U	0.15 U	0.28 U	0.38 U
EMW-3S-0713	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
EMW-3S-100113	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
EMW-4D-0713	1 U	0.16 U	44 lc	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U
EMW-4D-100113	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U

Sample ID	Ethylbenzene (µg/L)	Ethylene dibromide (µg/L)	Hexachlorobutadiene (µg/L)	Methyl ethyl ketone (µg/L)	Methyl isobutyl ketone (µg/L)	Methyl t-butyl ether (µg/L)	Methylene Chloride (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	p-Isopropyltoluene (µg/L)	Sec-Butylbenzene (µg/L)	Styrene (µg/L)	Tert-Butylbenzene (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Trans-1,2-Dichloroethene (µg/L)	Trans-1,3-Dichloropropene (µg/L)	Trichloroethene (µg/L)	Vinyl Acetate (µg/L)	Vinyl Chloride (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)	1.7	NV	0.9	4,800	640	NV	5	53.8	NV	NV	NV	100	NV	0.28	1,000	1,000	NV	NV	0.49	NV	0.13
Preliminary Groundwater Screening Levels[b] (µg/L)	1.7	NV	0.9	4,800	640	NV	5	53.8	NV	NV	NV	100	NV	0.28	1,000	1,000	NV	NV	0.49	NV	0.13
2013 Laboratory Practical Quantitation Limits (µg/L)	0.16	0.24	0.46	0.94	1.3	0.13	3	0.004	0.14	0.15	0.12	0.22	0.15	0.28	0.13	0.72	0.24	0.34	0.17	NV	0.13
CMW-1-061708	1 U	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	3 U	NA	NA	1 U	NA	1 U
CMW1-082311	0.2 U	1 U	1 U	10 U	10 U	1 U	4.7 U	1 U	1 U	1 U	1 U	0.32 U	1 U	0.23 U	0.35 U	0.14 U	1 U	1 U	0.58 U	NA	0.36 U
CMW-1-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.28	NA	0.13 U
CMW-1-100213	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.18	NA	0.13 U
CMW-2A-061708	1 U	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	3 U	NA	NA	1 U	NA	1 U
CMW2-082311	0.2 U	1 U	1 U	10 U	10 U	1 U	4.7 U	1 U	1 U	1 U	1 U	0.32 U	1 U	0.23 U	0.35 U	0.14 U	1 U	1 U	0.58 U	NA	0.36 U
CMW-2-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-2-100113	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-3-061708	1 U	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	3 U	NA	NA	1 U	NA	1 U
CMW-3-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-3-093013	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-4-061708	1 U	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	3 U	NA	NA	1 U	NA	1 U
CMW-4-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-4-100313	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-5-061708	1 U	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	3 U	NA	NA	1 U	NA	1 U
CMW-5-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	**0.24**
CMW-5-093013	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	**0.57**
CMW-6-061708	1 U	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	3 U	NA	NA	1 U	NA	1 U
CMW-6-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-6-100113	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-7-061708	1 U	NA	NA	NA	NA	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	3 U	NA	NA	1 U	NA	1 U
CMW-7-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
CMW-7-100213	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
DMW2-042790	1 U	NA	NA	5 U	7.5 U	NA	0.7 J	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DMW-2-0713	0.32	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	33	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.24	0.24 U	0.34 U	0.17 U	NA	0.13 U
DMW-2-093013	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	3.5	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.15	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
DMW3-042790	0.6 J	NA	NA	5 U	7.5 U	NA	1.4 J	NA	NA	NA	NA	1 U	NA	1 U	1 U	0.6 J	1 U	1 U	1 U	1 U	1 U
DMW-3-0713	1.6 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	**580**	0.14 U	1.5 U	0.12 U	0.22 U	0.15 U	0.28 U	0.14	0.42	0.24 U	0.34 U	0.17 U	NA	0.13 U
DMW-3-093013	1.6 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	**620** E	0.14 U	1.5 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.83	0.24 U	0.34 U	0.17 U	NA	0.13 U
DMW6-043090	1 U	NA	NA	5 U	7.5 U	NA	0.5 J	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DMW-6-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
DMW-6-100213	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-1S-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-1S-093013	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-2S-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	**0.67**
EMW-57S-0713(dupl.)	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	**0.62**
EMW-2S-100313	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	**1.5**
EMW-57S-100313(dupl.)	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	**1.5**
EMW-3S-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-3S-100113	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-4D-0713	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-4D-100113	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3.2 lc	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U

Table 16
Groundwater Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,1,1,2-Tetrachloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,1,2-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,1-Dichloropropene (µg/L)	1,2,3-Trichlorobenzene (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trichlorobenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,2-Dichloroethane (µg/L)	1,2-Dichloropropane (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,3-Dichloropropane (µg/L)	1,4-Dichlorobenzene (µg/L)	2,2-Dichloropropane (µg/L)	2-Chlorotoluene (µg/L)	2-Hexanone (µg/L)	4-Chlorotoluene (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Bromobenzene (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	CFC-11 (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			NV	200	0.33	0.77	1	0.73	NV	NV	NV	1.13	303	NV	5.19	0.48	3.7	45.2	600	NV	4	NV	NV	NV	2,600	6,000	1.2	NV	140	NV	NV	0.46	NV
Preliminary Groundwater Screening Levels[b] (µg/L)			NV	200	0.33	0.77	1	0.73	NV	NV	NV	1.13	303	NV	5.19	0.48	3.7	45.2	600	NV	4	NV	NV	NV	2,600	6,000	1.2	NV	140	NV	NV	0.46	NV
2013 Laboratory Practical Quantitation Limits (µg/L)			0.32	0.2	0.24	0.28	0.18	0.19	0.26	0.38	0.28	0.34	0.11	0.44	0.13	0.11	0.32	0.18	0.15	0.2	0.09	0.3	0.13	1	0.16	2.6	0.13	0.18	0.22	0.2	NV	0.24	0.17
Groundwater Samples (continued)																																	
EMW-5S	EMW-5S-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-5S	EMW-5S-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-6S	EMW-6S-0713	7/10/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-6S	EMW-6S-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	13 lc	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-7S	EMW-7S-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-7S	EMW-7S-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-8S	EMW-8S-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-8S	EMW-8S-100313	10/3/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-9S	EMW-9S-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-9S	EMW-9S-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-10D	EMW-10D-0713	7/10/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.2	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-10D	EMW-56D-07139(dupl.)	7/10/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.2	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-10D	EMW-10D-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-10D	EMW-56D-100113(dupl.)	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-11S	EMW-11S-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-11S	EMW-11S-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-12S	EMW-12S-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-12S	EMW-12S-100313	10/3/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.45	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-13S	EMW-13S-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-13S	EMW-13S-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-14D	EMW-14D-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-14D	EMW-14D-093013	9/30/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-15D	EMW-15D-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-15D	EMW-15D-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
EMW-16D	EMW-16D-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
EMW-16D	EMW-16D-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
FMW-1	FMW-1	4/27/1990	NA	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA	5 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	1 U
FMW-2	FMW-2	4/27/1990	NA	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA	5 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	1 U
FMW-3	FMW-3	4/27/1990	NA	1 U	1 U	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA	5 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	1 U
HC-1	HC1-WELL-111888	11/18/1988	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA	3 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	NA
HC-2	HC2-MWHC2-111788	11/17/1988	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA	3 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	NA
HC-4	HC4-WELL-111888	11/18/1988	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA	3 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	NA
HC-20	HC-20-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
HC-20	HC-20-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U
MW-1 (1988)	MW-1-1	11/17/1988	NA	1 U	NA	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	1 U	1 U	NA	NA	NA	NA	NA	NA	3 U	NA	5 U	1 U	NA	1 U	1 U	1 U	1 U	NA
MW-1 (1994)	MW1-070794	7/7/1994	NA	2.5 U	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	0.5 U	NA	NA	NA	2.5 U	2.5 U	5 U
MW-2	MW2-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA
MW-3	MW3-070794	7/7/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA
SLR-1	SLR1-082511	8/23/2011	1 U	0.58 U	1 U	0.57 U	0.6 U	0.36 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	23	0.35 U	1 U	1 U	1 U	NA	0.7 U	1 U
SLR-1	SLR-1-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U
SLR-1	SLR-1-100313	10/3/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U

Location	Sample ID	CFC-113 (µg/L)	CFC-12 (µg/L)	Chlorobenzene (µg/L)	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Cis-1,3-Dichloropropene (µg/L)	Cumene (µg/L)	Dibromomethane (µg/L)	Dichlorobromomethane (µg/L)	Ethylbenzene (µg/L)	Ethylene dibromide (µg/L)	Hexachlorobutadiene (µg/L)	Methyl ethyl ketone (µg/L)	Methyl isobutyl ketone (µg/L)	Methyl t-butyl ether (µg/L)	Methylene Chloride (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	p-Isopropyltoluene (µg/L)	Sec-Butylbenzene (µg/L)	Styrene (µg/L)	Tert-Butylbenzene (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Trans-1,2-Dichloroethene (µg/L)	Trans-1,3-Dichloropropene (µg/L)	Trichloroethene (µg/L)	Vinyl Acetate (µg/L)	Vinyl Chloride (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)		NV	NV	20	NV	0.24	4.3	18.9	130	NV	NV	NV	17	1.7	NV	0.9	4,800	640	NV	5	53.8	NV	NV	NV	100	NV	0.28	1,000	1,000	NV	NV	0.49	NV	0.13
Preliminary Groundwater Screening Levels[b] (µg/L)		NV	NV	20	NV	0.24	4.3	18.9	130	NV	NV	NV	17	1.7	NV	0.9	4,800	640	NV	5	53.8	NV	NV	NV	100	NV	0.28	1,000	1,000	NV	NV	0.49	NV	0.13
2013 Laboratory Practical Quantitation Limits (µg/L)		NV	0.16	0.1	0.24	0.18	0.24	0.22	0.24	0.2	NV	0.28	0.38	0.16	0.24	0.46	0.94	1.3	0.13	3	0.004	0.14	0.15	0.12	0.22	0.15	0.28	0.13	0.72	0.24	0.34	0.17	NV	0.13
Groundwater Samples (continued)																																		
EMW-5S	EMW-5S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.29	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-5S	EMW-5S-100213	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.25	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-6S	EMW-6S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.18	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-6S	EMW-6S-100213	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	6.8 lc	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-7S	EMW-7S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-7S	EMW-7S-100213	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-8S	EMW-8S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-8S	EMW-8S-100313	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-9S	EMW-9S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.31	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-9S	EMW-9S-093013	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.25	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-10D	EMW-10D-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-10D	EMW-56D-07139(dupl.)	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-10D	EMW-10D-100113	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-10D	EMW-56D-100113(dupl.)	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-11S	EMW-11S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-11S	EMW-11S-093013	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-12S	EMW-12S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	4 lc	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-12S	EMW-12S-100313	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.58	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	3.8	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-13S	EMW-13S-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-13S	EMW-13S-100113	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-14D	EMW-14D-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-14D	EMW-14D-093013	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-15D	EMW-15D-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.25	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-15D	EMW-15D-100113	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-16D	EMW-16D-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
EMW-16D	EMW-16D-100213	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
FMW-1	FMW-1	1 U	NA	1 U	1 U	2 U	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	NA	NA	5 U	7.5 U	NA	1.1	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
FMW-2	FMW-2	1 U	NA	1 U	1 U	2 U	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	NA	NA	5 U	7.5 U	NA	0.8	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
FMW-3	FMW-3	1 U	NA	1 U	1 U	2 U	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	NA	NA	5 U	7.5 U	NA	1	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
HC-1	HC1-WELL-111888	NA	NA	3 U	3 U	3 U	1 U	1 U	1 U	3 U	NA	NA	1 U	1 U	NA	NA	3 U	3 U	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U
HC-2	HC2-MWHC2-111788	NA	NA	3 U	3 U	3 U	1 U	1 U	1 U	3 U	NA	NA	1 U	1 U	NA	NA	3 U	3 U	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U
HC-4	HC4-WELL-111888	NA	NA	3 U	3 U	3 U	1 U	1 U	1 U	3 U	NA	NA	1 U	1 U	NA	NA	3 U	3 U	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U
HC-20	HC-20-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
HC-20	HC-20-100113	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
MW-1 (1988)	MW-1-1	NA	NA	3 U	3 U	30 U	1 U	1 U	1 U	3 U	NA	NA	1 U	1 U	NA	NA	3 U	3 U	NA	1 U	NA	NA	NA	NA	1 U	NA	1 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U
MW-1 (1994)	MW1-070794	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	10 U	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	5 U	NA	NA	2.5 U	NA	NA
MW-2	MW2-070794	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	1 U	NA	NA	NA	NA	NA
MW-3	MW3-070794	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	1 U	NA	NA	NA	NA	NA
SLR-1	SLR1-082511	NA	10 U	0.3 U	1 U	1 U	0.4 U	0.8 U	1 U	1 U	1 U	1 U	1 U	0.2 U	1 U	1 U	10 U	10 U	1 U	4.7 U	1 U	1 U	1 U	1 U	0.32 U	1 U	0.23 U	0.35 U	0.14 U	1 U	1 U	0.58 U	NA	0.36 U
SLR-1	SLR-1-0713	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-1	SLR-1-100313	NA	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U

Table 16
Groundwater Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,1,1,2-Tetrachloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,1,2-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,1-Dichloropropene (µg/L)	1,2,3-Trichlorobenzene (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trichlorobenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-Chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,2-Dichloroethane (µg/L)	1,2-Dichloropropane (µg/L)	1,3,5-Trimethylbenzene (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**NV**	**200**	**0.33**	**0.77**	**1**	**0.73**	**NV**	**NV**	**NV**	**1.13**	**303**	**NV**	**5.19**	**0.48**	**3.7**	**45.2**
Preliminary Groundwater Screening Levels[b] (µg/L)			**NV**	**200**	**0.33**	**0.77**	**1**	**0.73**	**NV**	**NV**	**NV**	**1.13**	**303**	**NV**	**5.19**	**0.48**	**3.7**	**45.2**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.32**	**0.2**	**0.24**	**0.28**	**0.18**	**0.19**	**0.26**	**0.38**	**0.28**	**0.34**	**0.11**	**0.44**	**0.13**	**0.11**	**0.32**	**0.18**
Groundwater Samples (continued)																		
SLR-2	SLR2-082511	8/23/2011	1 U	0.58 U	1 U	0.57 U	0.6 U	0.36 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	0.5 U	1 U	1 U
SLR-2	SLR-2-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
SLR-2	SLR-2-100213	10/2/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U
SLR-3	SLR3-082511	8/23/2011	1 U	0.58 U	1 U	0.57 U	0.6 U	0.36 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	0.5 U	1 U	1 U
SLR-3	SLR-3-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
SLR-3	SLR-3-100313	10/3/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U
SLR-6	SLR6-082511	8/23/2011	1 U	0.58 U	1 U	0.57 U	0.6 U	0.36 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	0.5 U	1 U	1 U
SLR-6	SLR-6-0713	7/12/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
SLR-6	SLR-6-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U
SLR-7	SLR7-082511	8/23/2011	1 U	0.58 U	1 U	0.57 U	0.6 U	0.36 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	0.5 U	1 U	1 U
SLR-7	SLR-7-0713	7/11/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
SLR-7	SLR-7-100113	10/1/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 UJ	0.13 U	0.11 U	0.32 U	0.18 U
Groundwater Seep Samples																		
Seep-1	Seep-1	7/24/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
Seep-2	Seep-2	7/24/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
Seep-3	Seep-3	7/24/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
Seep-4	Seep-4	7/23/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U
Seep-5	Seep-5	7/23/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 U	0.19 U	0.26 U	0.38 U	0.28 U	0.34 U	0.11 U	0.44 U	0.13 U	0.11 U	0.32 U	0.18 U

Location	Sample ID	Sample Date	1,3-Dichlorobenzene (µg/L)	1,3-Dichloropropane (µg/L)	1,4-Dichlorobenzene (µg/L)	2,2-Dichloropropane (µg/L)	2-Chlorotoluene (µg/L)	2-Hexanone (µg/L)	4-Chlorotoluene (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Bromobenzene (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	CFC-11 (µg/L)	CFC-113 (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**600**	**NV**	**4**	**NV**	**NV**	**NV**	**2,600**	**6,000**	**1.2**	**NV**	**140**	**NV**	**NV**	**0.46**	**NV**	**NV**
Preliminary Groundwater Screening Levels[b] (µg/L)			**600**	**NV**	**4**	**NV**	**NV**	**NV**	**2,600**	**6,000**	**1.2**	**NV**	**140**	**NV**	**NV**	**0.46**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.15**	**0.2**	**0.09**	**0.3**	**0.13**	**1**	**0.16**	**2.6**	**0.13**	**0.18**	**0.22**	**0.2**	**NV**	**0.24**	**0.17**	**NV**
Groundwater Samples (continued)																		
SLR-2	SLR2-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5.6	0.35 U	1 U	1 U	1 U	NA	0.7 U	1 U	NA
SLR-2	SLR-2-0713	7/11/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
SLR-2	SLR-2-100213	10/2/2013	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA
SLR-3	SLR3-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	10 U	1 U	15	0.35 U	1 U	1 U	1 U	NA	0.7 U	1 U	NA
SLR-3	SLR-3-0713	7/12/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
SLR-3	SLR-3-100313	10/3/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA
SLR-6	SLR6-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	10 U	1 U	5.5 U	0.35 U	1 U	1 U	1 U	NA	0.7 U	1 U	NA
SLR-6	SLR-6-0713	7/12/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
SLR-6	SLR-6-100113	10/1/2013	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA
SLR-7	SLR7-082511	8/23/2011	1 U	1 U	1 U	1 U	1 U	10 U	1 U	14	0.35 U	1 U	1 U	1 U	NA	0.7 U	1 U	NA
SLR-7	SLR-7-0713	7/11/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
SLR-7	SLR-7-100113	10/1/2013	0.15 U	0.2 U	0.09 U	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 U	NA	0.24 U	0.17 U	NA
Groundwater Seep Samples																		
Seep-1	Seep-1	7/24/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
Seep-2	Seep-2	7/24/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
Seep-3	Seep-3	7/24/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
Seep-4	Seep-4	7/23/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA
Seep-5	Seep-5	7/23/2013	0.15 U	0.2 U	0.09 UJ	0.3 U	0.13 U	1 U	0.16 U	2.6 U	0.13 U	0.18 U	0.22 U	0.2 UJ	NA	0.24 U	0.17 U	NA

Location	Sample ID	Sample Date	CFC-12 (µg/L)	Chlorobenzene (µg/L)	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Cis-1,3-Dichloropropene (µg/L)	Cumene (µg/L)	Dibromomethane (µg/L)	Dichlorobromomethane (µg/L)	Ethylbenzene (µg/L)	Ethylene dibromide (µg/L)	Hexachlorobutadiene (µg/L)	Methyl ethyl ketone (µg/L)	Methyl isobutyl ketone (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**NV**	**20**	**NV**	**0.24**	**4.3**	**18.9**	**130**	**NV**	**NV**	**NV**	**17**	**1.7**	**NV**	**0.9**	**4,800**	**640**
Preliminary Groundwater Screening Levels[b] (µg/L)			**NV**	**20**	**NV**	**0.24**	**4.3**	**18.9**	**130**	**NV**	**NV**	**NV**	**17**	**1.7**	**NV**	**0.9**	**4,800**	**640**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.16**	**0.1**	**0.24**	**0.18**	**0.24**	**0.22**	**0.24**	**0.2**	**NV**	**0.28**	**0.38**	**0.16**	**0.24**	**0.46**	**0.94**	**1.3**
Groundwater Samples (continued)																		
SLR-2	SLR2-082511	8/23/2011	10 U	0.3 U	1 U	1 U	0.4 U	0.8 U	1 U	1 U	1 U	1 U	1 U	0.2 U	1 U	1 U	10 U	10 U
SLR-2	SLR-2-0713	7/11/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U
SLR-2	SLR-2-100213	10/2/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
SLR-3	SLR3-082511	8/23/2011	10 U	0.3 U	1 U	1 U	0.4 U	0.8 U	1 U	1 U	1 U	1 U	1 U	0.2 U	1 U	1 U	10 U	10 U
SLR-3	SLR-3-0713	7/12/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U
SLR-3	SLR-3-100313	10/3/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
SLR-6	SLR6-082511	8/23/2011	10 U	0.3 U	1 U	1 U	0.4 U	0.8 U	1 U	1 U	1 U	1 U	1 U	0.2 U	1 U	1 U	10 U	10 U
SLR-6	SLR-6-0713	7/12/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U
SLR-6	SLR-6-100113	10/1/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
SLR-7	SLR7-082511	8/23/2011	10 U	0.3 U	1 U	1 U	0.4 U	0.8 U	1 U	1 U	1 U	1 U	1 U	0.2 U	1 U	1 U	10 U	10 U
SLR-7	SLR-7-0713	7/11/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 UJ	1.3 U
SLR-7	SLR-7-100113	10/1/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
Groundwater Seep Samples																		
Seep-1	Seep-1	7/24/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
Seep-2	Seep-2	7/24/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
Seep-3	Seep-3	7/24/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
Seep-4	Seep-4	7/23/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U
Seep-5	Seep-5	7/23/2013	0.16 U	0.1 U	0.24 U	0.18 U	0.24 U	0.22 U	0.24 U	0.2 U	0.15 U	0.28 U	0.38 U	0.16 U	0.24 U	0.46 U	0.94 U	1.3 U

Location	Sample ID	Sample Date	Methyl t-butyl ether (µg/L)	Methylene Chloride (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	p-Isopropyltoluene (µg/L)	Sec-Butylbenzene (µg/L)	Styrene (µg/L)	Tert-Butylbenzene (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Trans-1,2-Dichloroethene (µg/L)	Trans-1,3-Dichloropropene (µg/L)	Trichloroethene (µg/L)	Vinyl Acetate (µg/L)	Vinyl Chloride (µg/L)
Preliminary Groundwater Cleanup Levels[a] (µg/L)			**NV**	**5**	**53.8**	**NV**	**NV**	**NV**	**100**	**NV**	**0.28**	**1,000**	**1,000**	**NV**	**NV**	**0.49**	**NV**	**0.13**
Preliminary Groundwater Screening Levels[b] (µg/L)			**NV**	**5**	**53.8**	**NV**	**NV**	**NV**	**100**	**NV**	**0.28**	**1,000**	**1,000**	**NV**	**NV**	**0.49**	**NV**	**0.13**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.13**	**3**	**0.004**	**0.14**	**0.15**	**0.12**	**0.22**	**0.15**	**0.28**	**0.13**	**0.72**	**0.24**	**0.34**	**0.17**	**NV**	**0.13**
Groundwater Samples (continued)																		
SLR-2	SLR2-082511	8/23/2011	1 U	4.7 U	1 U	1 U	1 U	1 U	0.32 U	1 U	0.23 U	0.35 U	0.14 U	1 U	1 U	0.58 U	NA	0.36 U
SLR-2	SLR-2-0713	7/11/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-2	SLR-2-100213	10/2/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-3	SLR3-082511	8/23/2011	1 U	4.7 U	1 U	1 U	1 U	1 U	0.32 U	1 U	0.23 U	0.35 U	0.14 U	1 U	1 U	0.58 U	NA	0.36 U
SLR-3	SLR-3-0713	7/12/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-3	SLR-3-100313	10/3/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-6	SLR6-082511	8/23/2011	1 U	4.7 U	1 U	1 U	1 U	1 U	0.32 U	1 U	0.23 U	0.35 U	0.14 U	1 U	1 U	0.58 U	NA	0.36 U
SLR-6	SLR-6-0713	7/12/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	**1**	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-6	SLR-6-100113	10/1/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-7	SLR7-082511	8/23/2011	1 U	4.7 U	1 U	1 U	1 U	1 U	0.32 U	1 U	0.23 U	0.35 U	0.14 U	1 U	1 U	0.58 U	NA	0.36 U
SLR-7	SLR-7-0713	7/11/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
SLR-7	SLR-7-100113	10/1/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
Groundwater Seep Samples																		
Seep-1	Seep-1	7/24/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
Seep-2	Seep-2	7/24/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
Seep-3	Seep-3	7/24/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U
Seep-4	Seep-4	7/23/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	**0.15**
Seep-5	Seep-5	7/23/2013	0.13 U	3 U	0.28 U	0.14 U	0.15 U	0.12 U	0.22 U	0.15 U	0.28 U	0.13 U	0.22 U	0.24 U	0.34 U	0.17 U	NA	0.13 U

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary groundwater screening levels.
Non-detected values highlighted in blue exceed the preliminary groundwater cleanup levels in the groundwater compliance wells.
Results that exceed the screening levels due to possible interference from laboratory contamination are highlighted in purple.
Groundwater compliance wells are highlighted in green.
µg/L = micrograms per liter.
NA = Not analyzed
NV = No value available.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
E = The laboratory report noted that the reported results is an estimate because it exceeds calibration range.
J = The laboratory report noted that the analyte was postively identified and reported result is an estimate.
lc = The laboratory report noted that the presence of the compound indicated is likely due to laboratory contamination.
[a] Preliminary cleanup levels are based on the most stringent ARAR that applies to the site conditions, the background concentration (if available), or the practical quantitation limit (PQL), whichever is higher.
[b] Preliminary screening levels are based on the most stringent potential ARARs for the site, the background concentration (if available), or the PQL, whichever is higher.

Table 17
Catch Basin Solids Sample Analytical Results - Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			**7.30**	**3.10**	**540**	**NV**	**3.70**	**35.6**	**310**	**40**	**0.41**	**140**	**3.0**	**6.1**	**0.52**	**410**
2013 Laboratory Practical Quantitation Limits (mg/kg)			**0.11**	**0.42**	**0.052**	**NV**	**0.2**	**0.47**	**0.071**	**0.05**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
DP1CB2	DP1CB2-061013	6/11/2013	0.85	**9.19**	173	0.12	1.5	30.9	77.7 E	**84.3**	0.27	20.5	0.91 U	0.13	0.046	**543**
DP1CB3	DP1CB3-061013	6/10/2013	0.68	**3.87**	122	0.17	0.87	19.1	53.4 E	**52.6**	0.097	20.8	0.91 U	0.15	0.043 U	285
DP2CB2	DP2CB2-061013	6/11/2013	2.61	**8.05**	158	0.13	1.68	**51.3**	187 E	**78.7**	0.1	41.9	0.91 U	0.34	0.043 U	**882**
DP2CB5	DP2CB5-060613	6/6/2013	1.87	**5.57**	71	0.13	0.91	**87.5**	62.4 E	**344**	0.06	21.6	0.91 U	0.13	0.084	**429**
DP3CB1	DP3CB1-060613	6/6/2013	**12.7**	**13.8**	156	0.86 U	**8.84**	**161**	289 E	**81**	0.055	130	9.12 U	0.78 U	0.43 U	**1,380**
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	7.1	**12.9**	167	0.86 U	2.04 U	**154**	295 E	**87.2**	**0.44**	119	9.12 U	0.78 U	0.43 U	**1,910**
DP3CB3	DP3CB3-060613	6/6/2013	2.42	4.22 U	92.7	0.86 U	2.04 U	22.7	53.1 E	**42.4**	0.091	24.9	9.12 U	0.78 U	**0.67**	256
DP3CB5	STORM13-121509	12/15/2009	NA	**7.6**	230	NA	1.5	**81**	NA	**280**	0.047	NA	**3.1**	0.78 U	NA	26.1
DP4CB2	DP4CB2-061013	6/11/2013	2.83	**25.1**	215	0.86 U	2.04 U	**105**	149 E	**206**	0.086	56.6	9.12 U	0.78 U	**0.60**	**2,300**
DP4CB3	CB37	2004	NA	20 U	NA	NA	NA	NA	173	**250**	0.08	NA	NA	NA	NA	**1,220**
DP4CB3	STORM14-121509	12/15/2009	NA	**14**	170	NA	1.6	**65**	NA	**310**	0.1	NA	2.2 U	1.1 U	NA	**627**
DP4CB4	DP4CB4-061013	6/10/2013	5.19	**14.3**	209	0.20	**3.89**	**114**	202 E	**526**	0.086	39.6	0.91 U	0.48	0.40	**1,230**
DP5CB1	DP5CB1-061013	6/11/2013	4.23	**16.5**	152	0.86 U	2.04 U	**124**	**447** E	**87.7**	0.099	132	9.12 U	0.78 U	0.45	**983**
DP5CB1 and DP3CB1	CB123-071908	7/19/2008	NA	**20**	NA	NA	NA	NA	175	**99**	0.07 U	NA	NA	NA	NA	**1,950**
DP5CB4	DP5CB4-061013	6/11/2013	4.66	**18.6**	127	0.20	2.22	**56.9**	119 E	**181**	0.14	32.7	0.91 U	0.31	0.14	**983**
DP6CB1	STORM5-121509	12/15/2009	NA	**4.4**	160	NA	1.4	**37**	NA	**110**	0.052	NA	2.9	0.72 U	NA	27.2
DP6CB1	DP6CB1-060613	6/6/2013	3.93	**24.4**	73.7	0.86 U	2.04 U	**45.9**	95.9 E	**95.6**	0.044	31.6	9.12 U	0.78 U	0.43 U	**922**
DP6CB4	DP6CB4-061013	6/10/2013	4.17	**8.61**	102	0.16	2.01	**87.8**	163 E	**327**	0.1	35.4	0.91 U	0.38	0.23	**878**

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary catch basin solids screening levels.

Non-detecteded values highlighted in blue exceed the preliminary catch basin solids screening levels.

mg/kg = milligrams per kilogram.

NA = Not analyzed

ND = Analyte not detected; however, the detection limit was not available.

NV = No available value.

U = The laboratory report noted that the analyte was not detected at or above the reported result.

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 18
Catch Basin Solids Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benz[a]anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			**0.50**	**0.56**	**0.96**	**0.062**	**0.062**	**0.062**	**0.67**	**0.062**	**0.062**	**0.062**	**1.7**	**0.54**	**0.062**	**2.1**	**1.5**	**2.6**
2013 Laboratory Practical Quantitation Limits (mg/kg)			**0.000007**	**0.000046**	**0.000044**	**0.00009**	**0.00011**	**0.000091**	**0.00017**	**0.00018**	**0.000095**	**0.00017**	**0.00014**	**0.000075**	**0.00031**	**0.00011**	**0.00016**	**0.00013**
DP1CB2	DP1CB2-061013	6/11/2013	0.056 U	0.036 U	0.035 U	**0.11**	0.088 U	**0.18**	0.14 U	0.14 U	**0.23**	0.14 U	0.24	0.06 U	0.25 U	0.088 U	0.13 U	0.22
DP1CB3	DP1CB3-061013	6/10/2013	0.056 U	0.036 U	0.035 U	**0.1**	0.088 U	**0.094**	0.14 U	0.14 U	**0.098**	0.14 U	0.12	0.06 U	0.25 U	0.088 U	0.13 U	0.11
DP2CB2	DP2CB2-061013	6/11/2013	0.056 U	0.036 U	0.035 U	**0.25**	**0.21**	**0.46**	0.24	0.14 U	**0.44**	0.14 U	0.6	0.06 U	0.25 U	0.088 U	0.29	0.57
DP2CB5	DP2CB5-060613	6/6/2013	0.056 U	0.036 U	0.063	**0.28**	**0.29**	**0.47**	0.29	**0.16**	**0.4**	0.14 U	0.74	0.06 U	**0.26**	0.088 U	0.47	0.69
DP3CB1	DP3CB1-060613	6/6/2013	0.056 U	0.036 U	0.046	**0.18**	**0.12**	**0.33**	0.14 U	0.14 U	**0.42**	0.14 U	0.65	0.06 U	0.25 U	0.12	0.41	0.66
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	0.056 U	0.036 U	0.035 U	**0.15**	**0.16**	**0.36**	0.16	0.14 U	**0.4**	0.14 U	0.5	0.06 U	0.25 U	0.097	0.26	0.52
DP3CB3	DP3CB3-060613	6/6/2013	0.028 U	0.018 U	0.021	**0.14**	**0.11**	**0.2**	0.12	0.072 U	**0.18**	0.068 U	0.37	0.03 U	0.12 U	0.044 U	0.24	0.35
DP3CB5	STORM13-121509	12/15/2009	0.031 U	0.031 U	0.76	**0.13**	**0.28**	**0.17**	0.16	**0.17**	**0.41**	0.031 U	0.42	0.031 U	0.031 U	0.031 U	0.72	0.86
DP4CB2	DP4CB2-061013	6/11/2013	0.056 U	0.036 U	0.047	**0.3**	**0.21**	**0.44**	0.2	0.14 U	**0.48**	0.14 U	1	0.06 U	0.25 U	0.088 U	0.66	0.79
DP4CB3	CB37	2004	0.17	0.14 U	0.82	**0.61**	**0.2**	**0.48**	0.14 U	**0.32**	**1**	0.14 U	**3.6**	0.35	0.14 U	0.14 U	**3**	2.6
DP4CB3	STORM14-121509	12/15/2009	0.045 U	0.045 U	**1.4**	0.045 U	0.045 U	0.045 U	0.045 U	0.045 U	**0.25**	0.045 U	0.47	0.045 U	0.045 U	0.18	0.61	0.88
DP4CB4	DP4CB4-061013	6/10/2013	0.087	0.036 U	0.33	**0.42**	**0.4**	**0.71**	0.57	**0.2**	**0.79**	**0.17**	1.4	0.06 U	**0.44**	0.088 U	0.81	1.3
DP5CB1 and DP3CB1	CB123-071908	7/19/2008	NA	0.42 U	**2.8**	**1.6**	**0.83**	**1.1**	0.29 J	**1.4**	**2.8**	0.42 U	**11**	NA	**0.23** J	0.36 J	**11**	**5.6**
DP5CB1	DP5CB1-061013	6/11/2013	0.056 U	0.036 U	0.084	**0.27**	**0.14**	**0.4**	0.17	0.14 U	**0.56**	0.14 U	0.73	0.06 U	0.25 U	0.088 U	0.38	0.79
DP5CB4	DP5CB4-061013	6/11/2013	0.056 U	0.036 U	0.17	**0.5**	**0.31**	**0.88**	0.24	**0.28**	**1.1**	0.14 U	0.92	0.06 U	**0.25**	0.088 U	0.27	1.1
DP6CB1	STORM5-121509	12/15/2009	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.084	0.029 U	0.029 U	0.029 U	0.029 U	0.2
DP6CB1	DP6CB1-060613	6/6/2013	0.056 U	0.036 U	0.34	**0.21**	**0.13**	**0.33**	0.14 U	0.14 U	**0.38**	0.14 U	0.63	0.06 U	0.25 U	0.088 U	0.54	0.52
DP6CB4	DP6CB4-061013	6/10/2013	0.056 U	0.036 U	0.035 U	**0.24**	**0.2**	**0.34**	0.28	0.14 U	**0.38**	0.14 U	0.69	0.06 U	0.25 U	0.088 U	0.44	0.73

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary catch basin solids screening levels.

Non-detected values highlighted in blue exceed the preliminary catch basin solids screening levels.

mg/kg = milligrams per kilogram

NA = Not analyzed.

U = The laboratory report noted that the analyte was not detected at or above the reported result.

J = The laboratory report noted that the reported result is an estimate because the internal standard associated with the analyte is out of control limits.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 19
Catch Basin Solids Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	PCBs									Petroleum Hydrocarbons		
			Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Total PCBs (U=1/2 MRL) (mg/kg)	Total PCBs (U=0) (mg/kg)	Gasoline Range Organics (mg/kg)	Diesel Range Organics (mg/kg)	Heavy Oil Range Organics (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			NV	NV	NV	NV	NV	NV	NV	0.23	0.23	NV	NV	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)			NV	NV	NV	NV	NV	NV	NV	0.23	0.23	NV	NV	NV
DP1CB2	DP1CB2-061013	6/11/2013	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.16 U	0 U	2.7	300	2,600
DP1CB3	DP1CB3-061013	6/10/2013	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.16 U	0 U	0.73	88	1,400
DP2CB2	DP2CB2-061013	6/11/2013	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	2.31 U	0 U	1	720	7,900
DP2CB5	DP2CB5-060613	6/6/2013	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.16 U	0 U	1.1	180	1,900
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.16 U	0 U	0.55	240	2,300
DP3CB1	DP3CB1-060613	6/6/2013	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.16 U	0 U	0.57	210	2,200
DP3CB3	DP3CB3-060613	6/6/2013	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.16 U	0 U	0.65	220	2,600
DP3CB5	STORM13-121509	12/15/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.39	81	760
DP4CB2	DP4CB2-061013	6/11/2013	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	2.31 U	0 U	0.83	750	7,800
DP4CB3	CB37	2004	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	180	650
DP4CB3	STORM14-121509	12/15/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.79	130	990
DP4CB4	DP4CB4-061013	6/10/2013	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	2.31 U	0 U	0.87	6,000	21,000
DP5CB1	DP5CB1-061013	6/11/2013	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	2.31 U	0 U	0.82	2,200	19,000
DP5CB4	DP5CB4-061013	6/11/2013	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	2.31 U	0 U	0.77	1,900	15,000
DP5CB1 and DP3CB1	CB123-071908	7/19/2008	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.079 U	NA	NA	NA	810	1,600
DP6CB1	STORM5-121509	12/15/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14 U	82	490
DP6CB1	DP6CB1-060613	6/6/2013	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.16 U	0 U	0.43	230	1,600
DP6CB4	DP6CB4-061013	6/10/2013	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	2.31 U	0 U	9.6	3,100	7,500

Notes:

Non-detected values highlighted in blue exceed the preliminary catch basin solids screening levels.

mg/kg = milligrams per kilogram.

NA = Not analyzed.

NV = No available value.

U = Analyte was not detected at or above the reported result.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 20
Catch Basin Solids Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	2,4,5-Trichlorophenol (mg/kg)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dichlorophenol (mg/kg)	2,4-Dimethylphenol (mg/kg)	2,4-Dinitrophenol (mg/kg)	2-Chlorophenol (mg/kg)	2-Methylphenol (o-Cresol) (mg/kg)	2-Nitrophenol (mg/kg)	3-Methylphenol and 4-Methylphenol coelution (mg/kg)	4,6-Dinitro-2-Methylphenol (mg/kg)	4-Chloro-3-methylphenol (mg/kg)	4-Nitrophenol (mg/kg)	Pentachlorophenol (mg/kg)	Phenol (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			**NV**	**NV**	**NV**	**0.029**	**NV**	**NV**	**0.063**	**NV**	**0.67**	**NV**	**NV**	**NV**	**0.36**	**0.42**
2013 Laboratory Practical Quantitation Limits (mg/kg)			**0.0097**	**0.0081**	**0.0058**	**0.0186**	**0.0139**	**0.0061**	**0.0065**	**0.0083**	**0.0145**	**0.0106**	**0.0045**	**0.0177**	**0.0062**	**0.0054**
DP1CB2	DP1CB2-061013	6/11/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP1CB3	DP1CB3-061013	6/10/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP2CB2	DP2CB2-061013	6/11/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP2CB5	DP2CB5-060613	6/6/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP3CB1	DP3CB1-060613	6/6/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP3CB3	DP3CB3-060613	6/6/2013	1.9 U	1.6 U	1.2 U	3.7 U	2.8 U	1.2 U	1.3 U	1.6 U	2.9 U	2.1 U	0.88 U	3.6 U	1.2 U	1.1 U
DP4CB2	DP4CB2-061013	6/11/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP4CB4	DP4CB4-061013	6/10/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP5CB1	DP5CB1-061013	6/11/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP5CB1andDP3CB1	CB123-071908	7/19/2008	NA	NA	NA	4.2 U	NA	NA	0.42 U	NA	NA	NA	NA	NA	2.1 U	0.42 U
DP5CB4	DP5CB4-061013	6/11/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP6CB1	DP6CB1-060613	6/6/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U
DP6CB4	DP6CB4-061013	6/10/2013	3.8 U	3.2 U	2.3 U	7.4 U	5.5 U	2.5 U	2.6 U	3.3 U	5.8 U	4.2 U	1.8 U	7.1 U	2.5 U	2.2 U

Notes:

Non-detected values highlighted in blue exceed the preliminary catch basin solids screening levels.

mg/kg = milligrams per kilogram.

NA = Not analyzed

NV = No value available.

U = The laboratory noted that the analyte was not detected at or above the reported result.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 21
Catch Basin Solids Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle,Washington

Location	Sample ID	Sample Date	Bis(2-ethylhexyl) phthalate (mg/kg)	Butyl benzyl phthalate (mg/kg)	Dibutyl phthalate(mg/kg)	Diethyl phthalate (mg/kg)	Dimethyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			**1.3**	**0.063**	**1.4**	**0.2**	**0.071**	**6.2**
2013 Laboratory Practical Quantitation Limits (mg/kg)			**0.014**	**0.0058**	**0.02**	**0.0041**	**0.0012**	**0.0033**
DP1CB2	DP1CB2-061013	6/11/2013	**9.1**	2.3 U	8 U	1.6 U	0.48 U	1.4 UJ
DP1CB3	DP1CB3-061013	6/10/2013	5.4 U	2.3 U	8 U	1.6 U	0.48 U	1.4 U
DP2CB2	DP2CB2-061013	6/11/2013	**6.6**	2.3 U	8 U	1.6 U	0.48 U	1.4 U
DP2CB5	DP2CB5-060613	6/6/2013	**6.2**	**7.6**	8 U	1.6 U	0.48 U	1.4 U
DP3CB1	DP3CB1-060613	6/6/2013	**7.7**	2.3 U	8 U	**4.9**	0.48 U	1.4 U
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	**7.7** E	2.3 UJ	8 U	**3.1**	0.48 U	1.4 UJ
DP3CB3	DP3CB3-060613	6/6/2013	2.7 U	1.2 U	4 U	0.8 U	0.24 U	0.68 U
DP4CB2	DP4CB2-061013	6/11/2013	**55**	2.3 U	8 U	1.6 U	0.48 U	1.4 U
DP4CB3	CB37	2004	**1.6**	**1.3**	0.14 U	0.14 U	**0.28**	0.14 U
DP4CB4	DP4CB4-061013	6/10/2013	5.4 U	**3.2**	8 U	1.6 U	0.48 U	2.2
DP5CB1	DP5CB1-061013	6/11/2013	**20**	2.3 U	8 U	**9.7**	0.48 U	1.4 U
DP5CB1 and DP3CB1	CB123-071908	7/19/2008	1.7 B	**2.4**	0.42 U	0.42 U	0.42 U	0.42 U
DP5CB4	DP5CB4-061013	6/11/2013	**24**	2.3 U	8 U	1.6 U	0.48 U	1.4 U
DP6CB1	DP6CB1-060613	6/6/2013	5.4 U	2.3 U	8 U	1.6 U	0.48 U	1.4 U
DP6CB4	DP6CB4-061013	6/10/2013	**40**	2.3 U	8 U	1.6 U	0.48 U	2.8

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary catch basin solids screening levels.
Non-detected values highlighted in blue exceed the preliminary catch basin solids screening levels.
Results that exceed the screening levels due to possible interference from laboratory contamination are highlighted in purple.
mg/kg = milligrams per kilogram.
U = The laboratory noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
B = The laboratory report noted that the analyte was detected in the sample and method blank, and the reported result is sample concentration without blank correction or associated quantitation limit.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 22
Catch Basin Solids Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,2,4-Trichlorobenzene (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	2-Chloronaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	2-Nitroaniline (mg/kg)	4-Bromophenyl phenyl ether (mg/kg)	4-Chloroaniline (mg/kg)	4-Chlorophenyl-Phenylether (mg/kg)	4- Nitroaniline (mg/kg)	Benzoic acid (mg/kg)	Benzyl alcohol (mg/kg)	Bis(2-chloroethoxy) methane (mg/kg)	Bis(2-Chloroethyl) Ether (mg/kg)	Bis(2-chloroisopropyl) ether (mg/kg)	Carbazole (mg/kg)	Dibenzofuran (mg/kg)	Hexachloro-benzene (mg/kg)	Hexachloro-butadiene (mg/kg)	Hexachlorocyclo -pentadiene (mg/kg)	Hexachloro-ethane (mg/kg)	Isophorone (mg/kg)	m-Nitroaniline (mg/kg)	Nitrobenzene (mg/kg)	N-Nitrosodi-n -propylamine (mg/kg)	N-Nitrosodi -phenylamine (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			**0.031**	**0.035**	**0.17**	**0.11**	**NV**	**NV**	**NV**	**0.67**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.65**	**0.057**	**NV**	**NV**	**NV**	**NV**	**0.54**	**0.022**	**0.011**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)			**0.0034**	**0.004**	**0.0027**	**0.0024**	**0.0016**	**0.0019**	**0.0014**	**0.001**	**0.0026**	**0.0016**	**0.18**	**0.0016**	**0.18**	**0.055**	**0.00051**	**0.0014**	**0.0016**	**0.0016**	**0.002**	**0.001**	**0.001**	**0.002**	**0.0022**	**0.0033**	**0.0011**	**0.017**	**0.0026**	**0.0031**	**0.0048**
DP1CB2	DP1CB2-061013	6/11/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	**2**	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP1CB3	DP1CB3-061013	6/10/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP2CB2	DP2CB2-061013	6/11/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP2CB5	DP2CB5-060613	6/6/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP3CB1	DP3CB1-060613	6/6/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP3CB3	DP3CB3-060613	6/6/2013	0.68 U	0.8 U	0.52 U	0.48 U	0.32 U	0.36 U	0.28 U	0.2 U	0.52 U	0.32 U	36 U	0.32 U	3.6 U	11 U	1 U	0.28 U	0.32 U	0.32 U	0.4 U	0.2 U	0.2 U	0.4 U	0.44 U	0.68 U	0.24 U	3.5 U	0.52 U	0.6 U	0.2 U
DP4CB2	DP4CB2-061013	6/11/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP4CB4	DP4CB4-061013	6/10/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP5CB1	DP5CB1-061013	6/11/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP5CB1 and DP3CB1	CB123-071908	7/19/2008	NA	NA	NA	NA	NA	NA	NA	0.57	NA	NA	NA	NA	NA	4.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP5CB4	DP5CB4-061013	6/11/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP6CB1	DP6CB1-060613	6/6/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U
DP6CB4	DP6CB4-061013	6/10/2013	1.4 U	1.6 U	1 U	0.96 U	0.64 U	0.72 U	0.56 U	0.4 U	1 U	0.64 U	71 U	0.64 U	7.3 U	22 U	2 U	0.56 U	0.64 U	0.64 U	0.8 U	0.4 U	0.4 U	0.8 U	0.88 U	1.4 U	0.48 U	7 U	1 U	1.2 U	0.4 U

Notes:
Detected values in bold and highlighted in yellow exceed the preliminary catch basin solids screening level
Non-detected values highlighted in blue exceed the preliminary catch basin solids screening level
mg/kg = milligrams per kilogram
NA = Not analyzed
NV = No value available.
U = The laboratory report noted that the analyte was not detected at or above the reported resul
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 23
Catch Basin Solids Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,1,1,2-Tetrachloroethane (mg/kg)	1,1,1-Trichloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	1,1,2-Trichloroethane (mg/kg)	1,1-Dichloroethane (mg/kg)	1,1-Dichloroethene (mg/kg)	1,1-Dichloropropene (mg/kg)	1,2,3-Trichlorobenzene (mg/kg)	1,2,3-Trichloropropane (mg/kg)	1,2,4-Trichlorobenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,2-Dibromo-3-Chloropropane (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,2-Dichloroethane (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			NV	NV	NV	NV	NV	NV	NV	NV	NV	0.031	NV	NV	0.035	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)			0.001	0.0012	0.0008	0.001	0.001	0.0006	0.011	0.0014	0.0013	0.0021	0.0016	0.0042	0.0009	0.001
DP1CB2	DP1CB2-061013	6/11/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.051	0.08 U	0.016 U	0.016 U
DP1CB3	DP1CB3-061013	6/10/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.025	0.08 U	0.016 U	0.016 U
DP2CB2	DP2CB2-061013	6/11/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.083	0.08 U	0.016 U	0.016 U
DP2CB5	DP2CB5-060613	6/6/2013	0.028 U	0.021 U	0.036 U	0.014 U	0.017 U	0.027 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U
DP3CB1	DP3CB1-060613	6/6/2013	0.028 U	0.021 U	0.036 U	0.014 U	0.017 U	0.027 U	0.024 U	0.019 U	0.022 U	0.036 U	0.1	0.08 U	0.016 U	0.016 U
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	0.028 U	0.021 U	0.036 U	0.014 U	0.017 U	0.027 U	0.024 U	0.019 U	0.022 U	0.036 U	0.13	0.08 U	0.016 U	0.016 U
DP3CB3	DP3CB3-060613	6/6/2013	0.028 U	0.021 U	0.036 U	0.014 U	0.017 U	0.027 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U
DP3CB5	STORM13-121509	12/15/2009	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.003	0.008 U	0.002 U	0.002 U
DP4CB2	DP4CB2-061013	6/11/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U
DP4CB3	STORM14-121509	12/15/2009	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003	0.013 U	0.003 U	0.003 U
DP4CB4	DP4CB4-061013	6/10/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U
DP5CB1	DP5CB1-061013	6/11/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U
DP5CB4	DP5CB4-061013	6/11/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U
DP6CB1	STORM5-121509	12/15/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.007 U	0.001 U	0.001 U
DP6CB1	DP6CB1-060613	6/6/2013	0.028 U	0.021 U	0.036 U	0.014 U	0.017 U	0.027 U	0.024 U	0.019 U	0.022 U	0.036 U	0.028	0.08 U	0.016 U	0.016 U
DP6CB4	DP6CB4-061013	6/10/2013	0.028 U	0.022 U	0.036 U	0.014 U	0.017 U	0.026 U	0.024 U	0.019 U	0.022 U	0.036 U	0.016 U	0.08 U	0.016 U	0.016 U

Location	Sample ID	Sample Date	1,2-Dichloropropane (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,3-Dichloropropane (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,2-Dichloropropane (mg/kg)	2-Chloroethyl vinyl ether (mg/kg)	2-Chlorotoluene (mg/kg)	2-Hexanone (mg/kg)	4-Chlorotoluene (mg/kg)	Acetone (mg/kg)	Acrylonitrile (mg/kg)	Benzene (mg/kg)	Benzene, 1,2,3-Trimethyl- (mg/kg)	Bromobenzene (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			NV	NV	0.17	NV	0.11	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)			0.0017	0.0012	0.0015	0.001	0.001	0.0013	NV	0.0011	0.005	0.0014	0.011	NV	0.0007	NV	0.001
DP1CB2	DP1CB2-061013	6/11/2013	0.034 U	0.023	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U
DP1CB3	DP1CB3-061013	6/10/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U
DP2CB2	DP2CB2-061013	6/11/2013	0.034 U	0.038	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.29 lc	NA	0.014 U	NA	0.012 U
DP2CB5	DP2CB5-060613	6/6/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.025 U	NA	0.016 U	0.095 U	0.019 U	0.21 U	NA	0.014 U	NA	0.012 U
DP3CB1	DP3CB1-060613	6/6/2013	0.034 U	0.049	0.02 U	0.02 U	0.032 U	0.025 U	NA	0.016 U	0.095 U	0.019 U	0.21 U	NA	0.014 U	NA	0.012 U
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	0.034 U	0.06	0.02 U	0.02 U	0.032 U	0.025 U	NA	0.016 U	0.095 U	0.019 U	0.21 U	NA	0.014 U	NA	0.012 U
DP3CB3	DP3CB3-060613	6/6/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.025 U	NA	0.016 U	0.095 U	0.019 U	0.21 U	NA	0.014 U	NA	0.012 U
DP3CB5	STORM13-121509	12/15/2009	0.002 U	0.002	0.002 U	0.002 U	0.002 U	0.002 U	0.078 U	0.002 U	NA	0.002 U	0.8	0.016 U	0.003	0.009	0.002 U
DP4CB2	DP4CB2-061013	6/11/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.24 lc	NA	0.014 U	NA	0.012 U
DP4CB3	STORM14-121509	12/15/2009	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.13 U	0.003 U	NA	0.003 U	1.1	0.027 U	0.004	0.008	0.003 U
DP4CB4	DP4CB4-061013	6/10/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U
DP5CB1	DP5CB1-061013	6/11/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.41 lc	NA	0.014 U	NA	0.012 U
DP5CB4	DP5CB4-061013	6/11/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.37 lc	NA	0.014 U	NA	0.012 U
DP6CB1	STORM5-121509	12/15/2009	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.072 U	0.001 U	NA	0.001 U	0.27	0.014 U	0.002	0.001 U	0.001 U
DP6CB1	DP6CB1-060613	6/6/2013	0.034 U	0.02	0.02 U	0.02 U	0.032 U	0.025 U	NA	0.016 U	0.095 U	0.019 U	0.21 U	NA	0.014 U	NA	0.012 U
DP6CB4	DP6CB4-061013	6/10/2013	0.034 U	0.011 U	0.02 U	0.02 U	0.032 U	0.026 U	NA	0.016 U	0.096 U	0.019 U	0.2 U	NA	0.014 U	NA	0.012 U

Location	Sample ID	Sample Date	Bromoform (mg/kg)	Bromomethane (mg/kg)	Carbon tetrachloride (mg/kg)	CFC-11 (mg/kg)	CFC-113 (mg/kg)	CFC-12 (mg/kg)	Chlorobenzene (mg/kg)	Chlorodibromomethane (mg/kg)	Chloroethane (mg/kg)	Chloroform (mg/kg)	Chloromethane (mg/kg)	cis-1,2-Dichloroethene (mg/kg)	cis-1,3-Dichloropropene (mg/kg)	Cumene (mg/kg)	Dibromomethane (mg/kg)	Dichlorobromomethane (mg/kg)	Ethylbenzene (mg/kg)	Ethylene dibromide (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.01	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)			0.0012	0.0015	0.0008	0.0005	NV	0.0015	0.0009	0.0008	0.0011	0.012	0.001	0.0015	0.00009	NV	0.0012	0.0008	0.0009	0.0007
DP1CB2	DP1CB2-061013	6/11/2013	0.034 U	0.034 U	0.03 U	0.074	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U
DP1CB3	DP1CB3-061013	6/10/2013	0.034 U	0.034 U	0.03 U	0.021	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.027 lc	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U
DP2CB2	DP2CB2-061013	6/11/2013	0.034 U	0.034 U	0.03 U	0.02 U	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U
DP2CB5	DP2CB5-060613	6/6/2013	0.035 U	0.034 UJ	0.03 U	0.021 U	NA	0.02 U	0.014 UJ	0.025 U	0.024 U	0.02 lc	0.025 U	0.021 U	0.023 U	0.019 U	0.022 U	0.025 U	0.013 U	0.029 U
DP3CB1	DP3CB1-060613	6/6/2013	0.035 U	0.034 UJ	0.03 U	0.021 U	NA	0.02 U	0.014 UJ	0.025 U	0.024 U	0.017 U	0.025 U	0.021 U	0.023 U	0.019 U	0.022 U	0.025 U	0.013 U	0.029 U
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	0.035 U	0.034 UJ	0.03 U	0.021 U	NA	0.02 U	0.014 UJ	0.025 U	0.024 U	0.017 U	0.025 U	0.021 U	0.023 U	0.019 U	0.022 U	0.025 U	**0.021**	0.029 U
DP3CB3	DP3CB3-060613	6/6/2013	0.035 U	0.034 UJ	0.03 U	0.021 U	NA	0.02 U	0.014 UJ	0.025 U	0.024 U	0.041 lc	0.025 U	0.021 U	0.023 U	0.019 U	0.022 U	0.025 U	0.013 U	0.029 U
DP3CB5	STORM13-121509	12/15/2009	0.002 U	0.008 U	0.002 U	0.014	0.002 U	0.008 U	0.002 U	0.002 U	0.008 U	0.008 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
DP4CB2	DP4CB2-061013	6/11/2013	0.034 U	0.034 U	0.03 U	0.057	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U
DP4CB3	STORM14-121509	12/15/2009	0.003 U	0.013 U	0.003 U	0.017	0.003 U	0.013 U	0.003 U	0.003 U	0.013 U	0.013 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
DP4CB4	DP4CB4-061013	6/10/2013	0.034 U	0.034 U	0.03 U	0.02 U	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.068 lc	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U
DP5CB1	DP5CB1-061013	6/11/2013	0.034 U	0.034 U	0.03 U	0.02 U	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U
DP5CB4	DP5CB4-061013	6/11/2013	0.034 U	0.034 U	0.03 U	0.046	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.017 U	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U
DP6CB1	STORM5-121509	12/15/2009	0.001 U	0.007 U	0.001 U	0.007 U	0.001 U	0.007 U	0.001 U	0.001 U	0.007 U	0.007 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
DP6CB1	DP6CB1-060613	6/6/2013	0.035 U	0.034 UJ	0.03 U	0.051	NA	0.02 U	0.014 UJ	0.025 U	0.024 U	0.021 lc	0.025 U	0.021 U	0.023 U	0.019 U	0.022 U	0.025 U	0.013 U	0.029 U
DP6CB4	DP6CB4-061013	6/10/2013	0.034 U	0.034 U	0.03 U	0.02 U	NA	0.02 U	0.014 UJ	0.026 U	0.024 U	0.043 lc	0.026 U	0.022 U	0.022 U	0.019 U	0.022 U	0.024 U	0.013 U	0.03 U

Location	Sample ID	Sample Date	Hexachlorobutadiene (mg/kg)	Isopropyl ether (mg/kg)	Methyl ethyl ketone (mg/kg)	Methyl isobutyl ketone (mg/kg)	Methyl t-butyl ether (mg/kg)	Methylene chloride (mg/kg)	Naphthalene (mg/kg)	n-Butylbenzene (mg/kg)	n-Propylbenzene (mg/kg)	p-Isopropyltoluene (mg/kg)	sec-Butylbenzene (mg/kg)	Styrene (mg/kg)	Tert-Butylbenzene (mg/kg)	Tetrachloroethene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	Trans-1,2-Dichloroethene (mg/kg)	trans-1,3-Dichloropropene (mg/kg)	Trichloroethene (mg/kg)	Vinyl chloride (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			0.011	NV	NV	NV	NV	NV	2.1	NV	NV	NV	NV	NV	NV	0.0016	NV	0.003	NV	NV	0.0011	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)			0.011	NV	0.008	0.01	0.0009	0.014	0.00022	NV	0.001	0.0009	0.0012	0.0007	0.0011	0.0016	0.0011	0.003	0.0013	0.0005	0.0011	0.0009
DP1CB2	DP1CB2-061013	6/11/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.081 lc	0.024 U	NA	0.017 U	0.018	0.015 U	0.046	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	0.016 U
DP1CB3	DP1CB3-061013	6/10/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	0.016 U
DP2CB2	DP2CB2-061013	6/11/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.31 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	0.016 U
DP2CB5	DP2CB5-060613	6/6/2013	0.041 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.021 U	0.021 U	0.026 U	0.46	0.03 U	0.023 U	0.015 U	0.033 U	0.016 U
DP3CB1	DP3CB1-060613	6/6/2013	0.041 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.021 U	0.021 U	0.026 U	0.017 U	**0.026**	0.023 U	0.015 U	0.033 U	0.016 U
DP3CB1	DP10CB1-060613(dupl.)	6/6/2013	0.041 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.021 U	0.021 U	0.026 U	0.024	**0.15**	0.023 U	0.015 U	0.033 U	0.016 U
DP3CB3	DP3CB3-060613	6/6/2013	0.041 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.021 U	0.021 U	0.026 U	0.017 U	**0.03**	0.023 U	0.015 U	0.033 U	0.016 U
DP3CB5	STORM13-121509	12/15/2009	0.002 U	0.002 U	0.07	0.016 U	0.002 U	0.008 U	0.008 U	0.002 U	0.002 U	0.003	0.002 U	0.002	0.002 U	0.002 U	0.008 U	**0.01**	0.002 U	0.002 U	0.002 U	0.002 U
DP4CB2	DP4CB2-061013	6/11/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	0.03 U	0.024 U	0.015 U	0.034 U	0.016 U
DP4CB3	STORM14-121509	12/15/2009	0.003 U	0.003 U	0.083	0.027 U	0.003 U	0.013 U	0.013 U	0.003 U	0.003 U	0.007	0.003 U	0.003	0.003 U	0.003 U	0.013	**0.012**	0.003 U	0.003 U	0.003 U	0.003 U
DP4CB4	DP4CB4-061013	6/10/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	**0.03**	0.024 U	0.015 U	0.034 U	0.016 U
DP5CB1	DP5CB1-061013	6/11/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.31 lc	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	**0.03**	0.024 U	0.015 U	0.034 U	0.016 U
DP5CB4	DP5CB4-061013	6/11/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	0.017 U	**0.03**	0.024 U	0.015 U	0.034 U	0.016 U
DP6CB1	STORM5-121509	12/15/2009	0.001 U	0.001 U	0.023 U	0.014 U	0.001 U	0.007 U	0.007 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.007 U	0.004 U	0.001 U	0.001 U	0.001 U	0.001 U
DP6CB1	DP6CB1-060613	6/6/2013	0.041 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.021 U	0.021 U	0.026 U	0.017 U	0.02 U	0.023 U	0.015 U	0.033 U	0.016 U
DP6CB4	DP6CB4-061013	6/10/2013	0.04 U	NA	0.14 U	0.14 U	0.013 U	0.054 U	0.024 U	NA	0.017 U	0.012 U	0.015 U	0.022 U	0.022 U	0.026 U	4.2	0.03 U	0.024 U	0.015 U	0.034 U	0.016 U

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary catch basin solids screening levels.
Non-detected values highlighted in blue exceed the preliminary catch basin solids screening levels.
mg/kg = milligrams per kilogram.
NA = Not analyzed
NV = No value available.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
lc = The laboratory report noted that the presence of the compound indicated is likely due to laboratory contamination.
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 24
Catch Basin Solids Sample Analytical Results - Dioxins/Furans
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Individual Dioxin/Furan Compounds																
			2,3,7,8-TCDD (mg/kg)	1,2,3,7,8-PeCDD (mg/kg)	1,2,3,4,7,8-HxCDD (mg/kg)	1,2,3,6,7,8-HxCDD (mg/kg)	1,2,3,7,8,9-HxCDD (mg/kg)	1,2,3,4,6,7,8-HpCDD (mg/kg)	OCDD (mg/kg)	2,3,7,8-TCDF (mg/kg)	1,2,3,7,8-PeCDF (mg/kg)	2,3,4,7,8-PeCDF (mg/kg)	1,2,3,4,7,8-HxCDF (mg/kg)	1,2,3,6,7,8-HxCDF (mg/kg)	2,3,4,6,7,8-HxCDF (mg/kg)	1,2,3,7,8,9-HxCDF (mg/kg)	1,2,3,4,6,7,8-HpCDF (mg/kg)	1,2,3,4,7,8,9-HpCDF (mg/kg)	OCDF (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)			NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
DP4CB4	DP4CB4-061013	6/10/2013	3.42E-06	1.51E-05	2.48E-05	5.11E-05	4.41E-05	1.20E-03	8.80E-03	8.29E-06	5.78E-06	1.30E-05	1.41E-05	1.45E-05	2.08E-05	1.95E-06 JT	2.12E-04	1.24E-05	4.37E-04
DP6CB1	DP6CB1-060613	6/6/2013	3.45E-05	7.68E-05	7.84E-05	2.06E-04	2.37E-04	5.89E-03 E	2.87E-02 E	2.64E-06	2.50E-06	5.23E-06	6.25E-06	7.41E-06	1.12E-05	8.44E-08 U	9.12E-05	6.78E-06	1.28E-04

Location	Sample ID	Sample Date	Total Dioxin/Furan Compounds								Toxicity Equivalence	
			Total TCDD (mg/kg)	Total PeCDD (mg/kg)	Total HxCDD (mg/kg)	Total HpCDD (mg/kg)	Total TCDF (mg/kg)	Total PeCDF (mg/kg)	Total HxCDF (mg/kg)	Total HpCDF (mg/kg)	2,3,7,8-TCDD TEQ (U = 1/2 MRL) (mg/kg)	2,3,7,8-TCDD TEQ (U = 0) (mg/kg)
Preliminary Catch Basin Solids Screening Levels[a] (mg/kg)			NV	NV	NV	NV	NV	NV	NV	NV	2.20E-06	2.20E-06
2013 Laboratory Practical Quantitation Limits (mg/kg)			NV	NV	NV	NV	NV	NV	NV	NV	1.20E-07	1.20E-07
DP4CB4	DP4CB4-061013	6/10/2013	4.60E-05	1.49E-04	5.50E-04	2.63E-03	1.70E-04	2.19E-04	3.62E-04	5.20E-04	**5.77E-05**	**5.77E-05**
DP6CB1	DP6CB1-060613	6/6/2013	1.15E-04	3.51E-04	2.39E-03	1.07E-02	4.57E-05	8.19E-05	1.98E-04	2.41E-04	**2.36E-04**	**2.36E-04**

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary catch basin solids screening levels

NV = No available value.

mg/kg = milligrams per kilogram.

U = The laboratory report noted that the analyte was not detected at or above the reported resul

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range

JT = The laboratory report noted that the analyte was positively identified and the reported result is an estimate below the associated quantitation limit, but above the method detection lim

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is highe

Table 25
Storm Water Sample Analytical Results - Total Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Zinc (µg/L)	Total Suspended Solids (mg/L)	Chloride (mg/L)	Total Organic Carbon (mg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**3.87**	**5**	**2**	**4**	**15.9**	**50**	**2.4**	**2.5**	**0.012**	**8.2**	**5**	**22**	**0.47**	**56**	**NV**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.052**	**0.15**	**0.25**	**0.098**	**0.094**	**0.14**	**0.34**	**0.144**	**0.00015**	**0.36**	**0.56**	**0.064**	**0.074**	**0.61**	**NV**	**NV**	**NV**
OF1	OF-1-062613	6/26/2013	1.04	1.33	**38.6**	0.098 U	0.15	2.2	**15.8**	2.43	0.0065	2.31	0.56 U	0.064 U	0.074 UJ	**81**	24	2.2	11.3
OF2	OF-2-062613	6/26/2013	1.52	2.31	**56**	0.098 U	0.20	4.16	**21.1**	**4.98**	0.01	3.87	0.56 U	0.064 U	0.074 UJ	**91.9**	23	4.9	19.2
OF3	OF-3-062613	6/26/2013	1.14	3.13	**40.8**	0.098 U	0.39	3.56	**18.7**	**5.75**	0.012	4.69	0.56 U	0.064 U	0.074 UJ	**89.9**	20	15	22.8
OF4	OF-4-062613	6/26/2013	1.55	2.28	**33.3**	0.098 U	0.25	3.76	**35.4**	**5.37**	**0.013**	3.3	0.56 U	0.064 U	0.074 UJ	**134**	10	4.8	10.7
OF5	OF-5-062613	6/26/2013	0.93	1.23	**28**	0.098 U	0.24	2.12	**16.9**	**3.99**	0.006	3.05	0.56 U	0.064 U	0.074 UJ	**134**	10 U	3.1	10.8
OF6	OF-6-062613	6/26/2013	1.71	2.15	**27**	0.098 U	0.16	2.39	**13.1**	**3.58**	0.0051	2.09	0.56 U	0.064 U	0.074 UJ	**183**	12	37	7.33

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary storm water screening levels.
µg/L = micrograms per liter.
mg/L = milligrams per liter.
NV = No available value.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher. However, if there is an ARAR for surface water discharge (NPDES), then the NPDES value was selected as the storm water screening level.

Table 26
Storm Water Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benz[a]anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(ghi)perylene (µg/L)	Benzo(k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd)pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**643**	**10.8**	**2,400**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.004**	**90.2**	**640**	**0.007**	**160**	**4.8**	**9.8**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.0038**	**0.0024**	**0.0027**	**0.0042**	**0.0078**	**0.0052**	**0.0044**	**0.0076**	**0.0038**	**0.004**	**0.0047**	**0.004**	**0.007**	**0.004**	**0.0066**	**0.0037**
OF1	OF-1-062613	6/26/2013	0.0038 U	0.0024 U	0.0029	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	**0.0043**	0.004 U	0.015	0.004 U	0.007 U	0.0045	0.0075	0.0077
OF2	OF-2-062613	6/26/2013	0.0038 U	0.0024 U	0.0054	**0.0055**	0.0078 U	**0.0071**	0.0044 U	0.0076 U	**0.017**	0.004 U	0.019	0.004 U	0.007 U	0.004 U	0.0075	0.025
OF3	OF-3-062613	6/26/2013	0.0038 U	0.0024 U	0.0045	**0.0048** E	0.0078 UJ	**0.0053** E	0.0044 UJ	0.0076 UJ	**0.0088** E	0.004 UJ	0.014	0.004 U	0.007 UJ	0.004	0.0083	0.019
OF4	OF-4-062613	6/26/2013	0.0038 U	0.0024 U	0.003	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	0.0038 U	0.004 U	0.007	0.004 U	0.007 U	0.004 U	0.0066 U	0.0054
OF5	OF-5-062613	6/26/2013	0.0038 U	0.0024 U	0.013	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	**0.012**	0.004 U	0.014	0.004 U	0.007 U	0.004 U	0.011	0.02
OF6	OF-6-062613	6/26/2013	0.0038 U	0.0024 U	0.003	0.0042 U	0.0078 U	0.0052 U	0.0044 U	0.0076 U	**0.0059**	0.004 U	0.0077	0.004 U	0.007 U	0.0045	0.0066 U	0.008

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary storm water screening levels.

µg/L = micrograms per liter

U = The laboratory report noted that the analyte was not detected at or above the reported result.

UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher. However, if there is an ARAR for surface water discharge (NPDES), then the NPDES value was selected as the stormwater screening level.

Table 27
Storm Water Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	PCBs							Petroleum Hydrocarbons		
			Aroclor 1016 (µg/L)	Aroclor 1221 (µg/L)	Aroclor 1232 (µg/L)	Aroclor 1242 (µg/L)	Aroclor 1248 (µg/L)	Aroclor 1254 (µg/L)	Aroclor 1260 (µg/L)	Gasoline Range Organics (µg/L)	Diesel Range Organics (µg/L)	Heavy Oil Range Organics (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**800**	**500**	**500**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**12**	**6.9**	**52**
OF1	OF-1-062613	6/26/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	18	120
OF2	OF-2-062613	6/26/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	420	**1,400**
OF3	OF-3-062613	6/26/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	63	**510**
OF4	OF-4-062613	6/26/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	26	130
OF5	OF-5-062613	6/26/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	27	190
OF6	OF-6-062613	6/26/2013	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	12 U	43	240

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary storm water screening levels.

µg/L = micrograms per liter.

NA = Not analyzed

U = The laboratory report noted that the analyte was not detected at or above the reported result.

UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher. However, if there is an ARAR for surface water discharge (NPDES), then the NPDES value was selected as the storm water screening level.

Table 28
Storm Water Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	2,3,4,5-Tetrachlorophenol (µg/L)	2,3,4-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,6-Trichlorophenol (µg/L)	2,4,5-Trichlorophenol (µg/L)	2,4,6-Trichlorophenol (µg/L)	2,4-Dichlorophenol (µg/L)	2,4-Dimethylphenol (µg/L)	2,4-Dinitrophenol (µg/L)	2-Chlorophenol (µg/L)	(2-Methylphenol)o-Cresol (µg/L)	2-Nitrophenol (µg/L)	3,4,5-Trichlorophenol (µg/L)	3-Methylphenol and 4-Methylphenol coelution (µg/L)	4,6-Dinitro-2-Methylphenol (µg/L)	4-Chloro-3-methylphenol (µg/L)	4-Methylphenol (p-Cresol) (µg/L)	4-Nitrophenol (µg/L)	Pentachlorophenol (µg/L)	Phenol (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**NV**	**NV**	**NV**	**NV**	**NV**	**0.56**	**NV**	**0.3**	**NV**	**NV**	**7.11**	**NV**	**NV**	**77.2**	**NV**	**NV**	**NV**	**NV**	**1.47**	**78.4**
2013 Laboratory Practical Quantitation Limits (µg/L)			**NV**	**NV**	**NV**	**NV**	**0.22**	**0.28**	**NV**	**0.28**	**2.4**	**0.016**	**0.26**	**0.17**	**NV**	**0.4**	**0.38**	**0.24**	**NV**	**1.3**	**0.32**	**0.14**
OF1	OF-1-062613	6/26/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
OF2	OF-2-062613	6/26/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
OF3	OF-3-062613	6/26/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
OF4	OF-4-062613	6/26/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
OF5	OF-5-062613	6/26/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U
OF6	OF-6-062613	6/26/2013	NA	NA	NA	NA	0.22 U	0.28 U	0.26 U	0.28 UJ	2.4 U	0.16 U	0.26 U	0.17 U	NA	0.4 U	0.38 U	0.24 U	NA	1.3 U	0.32 U	0.14 U

Notes:
µg/L = micrograms per liter.
NA = Not analyzed
NV = No value available.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 29
Storm Water Sample and Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Bis(2-ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Dibutyl phthalate (µg/L)	Diethyl phthalate (µg/L)	Dimethyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**1.2**	**0.41**	**46.6**	**484**	**143**	**0.3**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.17**	**0.086**	**0.068**	**0.06**	**0.05**	**0.044**
OF1	OF-1-062613	6/26/2013	**1.4** E	0.086 UJ	0.068 U	0.27 E	0.3	0.044 U
OF2	OF-2-062613	6/26/2013	**8.3** E	0.086 U	0.068 U	0.25 E	0.28	0.21 E
OF3	OF-3-062613	6/26/2013	**3.6** E	0.086 U	0.068 U	0.77 E	0.08	0.14 E
OF4	OF-4-062613	6/26/2013	**2.8** E	0.18	0.068 U	0.22 E	0.05 U	0.044 U
OF5	OF-5-062613	6/26/2013	1 E	0.086 U	0.07	0.22 E	0.077	0.044 U
OF6	OF-6-062613	6/26/2013	**2.3** E	0.1	0.068 U	0.17 E	0.075	0.11 E

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary storm water screening levels.

µg/L = micrograms per liter.

NA = Not analyzed

U = The laboratory report noted that the analyte was not detected at or above the reported result.

UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 30
Storm Water Sample Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,2,4-Trichlorobenzene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	2,4-Dinitrotoluene (µg/L)	2,6-Dinitrotoluene (µg/L)	2-Chloronaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	2-Nitroaniline (µg/L)	4-Bromophenyl phenyl ether (µg/L)	4-Chloroaniline (µg/L)	4-Chlorophenyl-Phenylether (µg/L)	4-Nitroaniline (µg/L)	Benzoic acid (µg/L)	Benzyl alcohol (µg/L)	Bis(2-chloroethoxy)methane (µg/L)	Bis(2-Chloroethyl)Ether (µg/L)	Bis(2-chloroisopropyl) ether (µg/L)	Carbazole (µg/L)	Dibenzofuran (µg/L)	Hexachlorobenzene (µg/L)	Hexachlorobutadiene (µg/L)	Hexachlorocyclopentadiene (µg/L)	Hexachloroethane (µg/L)	Isophorone (µg/L)	m-Nitroaniline (µg/L)	Nitrobenzene (µg/L)	N-Nitrosodi-n-propylamine (µg/L)	N-Nitrosodiphenylamine (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**1.13**	**5.19**	**600**	**1.7**	**NV**	**NV**	**NV**	**18.2**	**NV**	**NV**	**NV**	**NV**	**NV**	**2,243**	**182**	**NV**	**NV**	**NV**	**NV**	**1.3**	**0.05**	**0.9**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**1.38**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.05**	**0.024**	**0.034**	**0.034**	**0.056**	**0.062**	**0.044**	**0.034**	**0.086**	**0.056**	**0.056**	**0.072**	**0.6**	**13.66**	**0.4**	**0.034**	**0.06**	**0.03**	**0.048**	**0.034**	**0.05**	**0.07**	**0.094**	**0.06**	**0.03**	**0.46**	**0.044**	**0.11**	**0.05**
OF1	OF-1-062613	6/26/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.6 U	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.035	0.46 U	0.044 U	0.11 U	0.05 U
OF2	OF-2-062613	6/26/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.6 U	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
OF3	OF-3-062613	6/26/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.6 U	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U
OF4	OF-4-062613	6/26/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.6 U	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.035	0.46 U	0.044 U	0.11 U	0.05 U
OF5	OF-5-062613	6/26/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.6 U	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.032	0.46 U	0.044 U	0.11 U	0.05 U
OF6	OF-6-062613	6/26/2013	0.05 U	0.024 U	0.034 U	0.068 U	0.056 U	0.062 U	0.044 U	0.034 U	0.086 U	0.056 U	0.056 U	0.072 U	0.6 U	7.4 U	0.4 U	0.034 U	0.06 U	0.03 U	0.048 U	0.034 U	0.05 U	0.07 U	0.094 U	0.06 U	0.03 U	0.46 U	0.044 U	0.11 U	0.05 U

Notes:

µg/L = micrograms per liter.

NA = Not analyzed

NV = No value available.

U = The laboratory report noted that the analyte was not detected at or above the reported result

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 31
Storm Water Sample Analytical Results - VOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	1,1,1,2-Tetrachloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	1,1,2-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	1,1-Dichloropropene (µg/L)	1,2,3-Trichlorobenzene (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-Trichlorobenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	1,2-Dichlorobenzene (µg/L)	1,2-Dichloroethane (µg/L)	1,2-Dichloropropane (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,3-Dichloropropane (µg/L)	1,4-Dichlorobenzene (µg/L)	2,2-Dichloropropane (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**NV**	**200**	**0.33**	**0.77**	**1**	**0.73**	**NV**	**NV**	**NV**	**1.13**	**303**	**NV**	**5.19**	**0.48**	**3.7**	**45.2**	**600**	**NV**	**4**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.32**	**0.2**	**0.24**	**0.28**	**0.18**	**0.19**	**0.26**	**0.38**	**0.28**	**0.34**	**0.11**	**0.44**	**0.13**	**0.11**	**0.32**	**0.18**	**0.15**	**0.2**	**0.09**	**0.3**
OF1	OF-1-062613	6/26/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 UJ	0.19 UJ	0.26 U	0.38 U	0.28 U	0.34 U	0.11 UJ	0.44 U	0.13 UJ	0.11 UJ	0.32 U	0.18 UJ	0.15 UJ	0.2 U	0.094 UJ	0.3 U
OF2	OF-2-062613	6/26/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 UJ	0.19 UJ	0.26 U	0.38 U	0.28 U	0.34 U	0.11 UJ	0.44 U	0.13 UJ	0.11 UJ	0.32 U	0.18 UJ	0.15 UJ	0.2 U	0.094 UJ	0.3 U
OF3	OF-3-062613	6/26/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 UJ	0.19 UJ	0.26 U	0.38 U	0.28 U	0.34 U	0.11 UJ	0.44 U	0.13 UJ	0.11 UJ	0.32 U	0.18 UJ	0.15 UJ	0.2 U	0.094 UJ	0.3 U
OF4	OF-4-062613	6/26/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 UJ	0.19 UJ	0.26 U	0.38 U	0.28 U	0.34 U	0.11 UJ	0.44 U	0.13 UJ	0.11 UJ	0.32 U	0.18 UJ	0.15 UJ	0.2 U	0.094 UJ	0.3 U
OF5	OF-5-062613	6/26/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 UJ	0.19 UJ	0.26 U	0.38 U	0.28 U	0.34 U	0.11 UJ	0.44 U	0.13 UJ	0.11 UJ	0.32 U	0.18 UJ	0.15 UJ	0.2 U	0.094 UJ	0.3 U
OF6	OF-6-062613	6/26/2013	0.32 U	0.2 U	0.24 U	0.28 U	0.18 UJ	0.19 UJ	0.26 U	0.38 U	0.28 U	0.34 U	0.11 UJ	0.44 U	0.13 UJ	0.11 UJ	0.32 U	0.18 UJ	0.15 UJ	0.2 U	0.094 UJ	0.3 U

Location	Sample ID	Sample Date	2-Chlorotoluene (µg/L)	2-Hexanone (µg/L)	4-Chlorotoluene (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Bromobenzene (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	Carbon tetrachloride (µg/L)	CFC-11 (µg/L)	CFC-12 (µg/L)	Chlorobenzene (µg/L)	Chlorodibromomethane (µg/L)	Chloroethane (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	cis-1,3-Dichloropropene (µg/L)	Cumene (µg/L)	Dibromomethane (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**NV**	**NV**	**2,600**	**6,000**	**1.2**	**NV**	**140**	**NV**	**0.46**	**NV**	**NV**	**20**	**NV**	**0.24**	**4.3**	**18.9**	**130**	**NV**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.13**	**1**	**0.16**	**2.6**	**0.13**	**0.18**	**0.22**	**0.2**	**0.24**	**0.17**	**0.16**	**0.1**	**0.24**	**0.18**	**0.24**	**0.22**	**0.24**	**0.2**	**NV**	**0.28**
OF1	OF-1-062613	6/26/2013	0.13 UJ	1 U	0.16 UJ	2.6 U	0.13 UJ	0.18 UJ	0.22 U	0.2 UJ	0.24 U	0.17 UJ	0.16 UJ	0.1 UJ	0.24 U	0.18 UJ	0.24 U	0.22 U	0.24 U	0.2 U	0.15 UJ	0.28 U
OF2	OF-2-062613	6/26/2013	0.13 UJ	1 U	0.16 UJ	2.6 U	0.13 UJ	0.18 UJ	0.22 U	0.2 UJ	0.24 U	0.17 UJ	0.16 UJ	0.1 UJ	0.24 U	0.18 UJ	0.24 U	0.22 U	0.24 U	0.2 U	0.15 UJ	0.28 U
OF3	OF-3-062613	6/26/2013	0.13 UJ	1 U	0.16 UJ	2.6 U	0.13 UJ	0.18 UJ	0.22 U	0.2 UJ	0.24 U	0.17 UJ	0.16 UJ	0.1 UJ	0.24 U	0.18 UJ	0.24 U	0.22 U	0.24 U	0.2 U	0.15 UJ	0.28 U
OF4	OF-4-062613	6/26/2013	0.13 UJ	1 U	0.16 UJ	2.6 U	0.13 UJ	0.18 UJ	0.22 U	0.2 UJ	0.24 U	0.17 UJ	0.16 UJ	0.1 UJ	0.24 U	0.18 UJ	0.24 U	0.22 U	0.24 U	0.2 U	0.15 UJ	0.28 U
OF5	OF-5-062613	6/26/2013	0.13 UJ	1 U	0.16 UJ	3.4	0.13 UJ	0.18 UJ	0.22 U	0.2 UJ	0.24 U	0.17 UJ	0.16 UJ	0.1 UJ	0.24 U	0.18 UJ	0.24 U	0.22 U	0.24 U	0.2 U	0.15 UJ	0.28 U
OF6	OF-6-062613	6/26/2013	0.13 UJ	1 U	0.16 UJ	2.6 U	0.13 UJ	0.18 UJ	0.22 U	0.2 UJ	0.24 U	0.17 UJ	0.16 UJ	0.1 UJ	0.24 U	0.18 UJ	0.24 U	0.22 U	0.24 U	0.2 U	0.15 UJ	0.28 U

Location	Sample ID	Sample Date	Dichlorobromomethane (µg/L)	Ethylbenzene (µg/L)	Ethylene dibromide (µg/L)	Hexachlorobutadiene (µg/L)	Methyl ethyl ketone (µg/L)	Methyl isobutyl ketone (µg/L)	Methyl t-butyl ether (µg/L)	Methylene chloride (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	p-Isopropyltoluene (µg/L)	sec-Butylbenzene (µg/L)	Styrene (µg/L)	tert-Butylbenzene (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	trans-1,2-Dichloroethene (µg/L)	trans-1,3-Dichloropropene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)
Preliminary Storm Water Screening Levels[a] (µg/L)			**17**	**1.7**	**NV**	**0.9**	**4,800**	**640**	**NV**	**5**	**160**	**NV**	**NV**	**NV**	**100**	**NV**	**0.28**	**1,000**	**1,000**	**NV**	**NV**	**0.49**	**0.13**
2013 Laboratory Practical Quantitation Limits (µg/L)			**0.38**	**0.16**	**0.24**	**0.46**	**0.94**	**1.3**	**0.13**	**3**	**0.004**	**0.14**	**0.15**	**0.12**	**0.22**	**0.15**	**0.28**	**0.13**	**0.22**	**0.24**	**0.34**	**0.17**	**0.13**
OF1	OF-1-062613	6/26/2013	0.38 U	0.16 UJ	0.24 U	0.46 U	0.94 U	1.3 U	0.13 UJ	3 U	0.28 U	0.14 UJ	0.15 UJ	0.12 UJ	0.22 U	0.15 UJ	0.28 U	0.13 UJ	0.22 U	0.24 U	0.34 U	0.17 UJ	0.13 UJ
OF2	OF-2-062613	6/26/2013	0.38 U	0.16 UJ	0.24 U	0.46 U	0.94 U	1.3 U	0.13 UJ	3 U	0.28 U	0.14 UJ	0.15 UJ	0.12 UJ	0.22 U	0.15 UJ	0.28 U	0.13 UJ	0.22 U	0.24 U	0.34 U	0.17 UJ	0.13 UJ
OF3	OF-3-062613	6/26/2013	0.38 U	0.16 UJ	0.24 U	0.46 U	0.94 U	1.3 U	0.13 UJ	3 U	0.28 U	0.14 UJ	0.15 UJ	0.12 UJ	0.22 U	0.15 UJ	0.28 U	0.13 UJ	0.22 U	0.24 U	0.34 U	0.17 UJ	0.13 UJ
OF4	OF-4-062613	6/26/2013	0.38 U	0.16 UJ	0.24 U	0.46 U	0.94 U	1.3 U	0.13 UJ	3 U	0.28 U	0.14 UJ	0.15 UJ	0.12 UJ	0.22 U	0.15 UJ	0.28 U	0.13 UJ	0.22 U	0.24 U	0.34 U	0.17 UJ	0.13 UJ
OF5	OF-5-062613	6/26/2013	0.38 U	0.16 UJ	0.24 U	0.46 U	0.94 U	1.3 U	0.13 UJ	3 U	0.28 U	0.14 UJ	0.15 UJ	0.12 UJ	0.22 U	0.15 UJ	0.28 U	0.13 UJ	0.22 U	0.24 U	0.34 U	0.17 UJ	0.13 UJ
OF6	OF-6-062613	6/26/2013	0.38 U	0.16 UJ	0.24 U	0.46 U	0.94 U	1.3 U	0.13 UJ	3 U	0.28 U	0.14 UJ	0.15 UJ	0.12 UJ	0.22 U	0.15 UJ	0.28 U	0.13 UJ	0.22 U	0.24 U	0.34 U	0.17 UJ	0.13 UJ

Notes:

µg/L = micrograms per liter.
NA = Not analyzed
NV = No value available.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
UJ = The laboratory report noted that the analyte was not detected at or above the reported estimate.
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 32
Intertidal Sediment Sample Analytical Results - Metals
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Inches)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				**7.30**	**3.10**	**540**	**NV**	**3.70**	**35.6**	**310**	**40**	**0.41**	**140**	**3.0**	**6.1**	**0.52**	**410**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.11**	**0.42**	**0.052**	**NV**	**0.2**	**0.47**	**0.071**	**0.05**	**0.002**	**0.21**	**0.91**	**0.079**	**0.044**	**0.97**
IS-1	IS-1	7/23/2013	0 - 3	**13.5**	**28.6**	73.8	0.86 U	0.2 U	**45.7**	88.6	27.4	0.13	49	0.92 U	0.78 U	0.044 U	145
IS-2	IS-2	7/23/2013	0 - 3	3.3	**26.2**	81.2	0.86 U	2 U	**40.3**	88.7	**74.5**	0.1	27.7	0.92 U	0.78 U	0.44 U	388
IS-3	IS-3	7/23/2013	0 - 3	1.06 U	**19**	86	0.86 U	2 U	33.6	68.5	**45.7**	0.13	23.8	0.92 U	0.78 U	0.44 U	209
IS-4	IS-4	7/23/2013	0 - 3	5.67	**30**	96.7	0.86 U	2 U	**38.8**	110	**96.5**	0.16	29.8	0.92 U	0.78 U	0.044 U	398
IS-5	IS-5	7/24/2013	0 - 3	1.06 U	**17.9**	56.7	0.86 U	2.04 U	**35.8**	128	**71.1**	0.11	37.6	0.92 U	0.78 U	0.044 U	249

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary sediment screening levels.
Non-detecteded values highlighted in blue exceed the preliminary sediment screening levels.
mg/kg = milligrams per kilogram.
NV = No available value.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 33
Intertidal Sediment Sample Analytical Results - PAHs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Inches)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benz[a]anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				**0.5**	**0.56**	**0.96**	**0.062**	**0.062**	**0.062**	**0.67**	**0.062**	**0.062**	**0.062**	**1.7**	**0.54**	**0.062**	**2.1**	**1.5**	**2.6**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.00014**	**0.00009**	**0.00009**	**0.0002**	**0.0002**	**0.0002**	**0.0003**	**0.0004**	**0.0002**	**0.0003**	**0.0003**	**0.0002**	**0.0006**	**0.0002**	**0.0003**	**0.0003**
IS-1	IS-1	7/23/2013	0 - 3	0.007 U	0.0046 U	0.036	**0.24**	**0.17**	**0.28**	0.089	**0.13**	**0.33**	0.027	0.54	0.0078	**0.11**	0.011 U	0.11	0.51
IS-2	IS-2	7/23/2013	0 - 3	0.007 U	0.0093	0.043	**0.13**	**0.099**	**0.27**	0.068	**0.074**	**0.2**	0.017 U	0.32	0.012	**0.078**	0.011 U	0.13	0.31
IS-3	IS-3	7/23/2013	0 - 3	0.0082	0.013	0.038	**0.13**	**0.093**	**0.24**	0.074	**0.079**	**0.28**	0.017 U	0.42	0.0096	**0.079**	0.011 U	0.11	0.34
IS-4	IS-4	7/23/2013	0 - 3	0.01	0.018	0.056	**0.16**	**0.16**	**0.33**	0.17	**0.11**	**0.33**	0.034	0.52	0.011	**0.17**	0.011 U	0.24	0.49
IS-5	IS-5	7/24/2013	0 - 3	0.007 U	0.018	0.038	**0.13**	**0.18**	**0.38**	0.19	**0.11**	**0.27**	0.037	0.25	0.0075 U	**0.19**	0.011 U	0.082	0.23

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary sediment screening levels.

mg/kg = milligrams per kilogram

U = The laboratory report noted that the analyte was not detected at or above the reported result.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 34
Intertidal Sediment Sample Analytical Results - PCBs and Petroleum Hydrocarbons
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Inches)	PCBs									Petroleum Hydrocarbons	
				Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Total PCBs (U=1/2 MRL) (mg/kg)	Total PCBs (U=0) (mg/kg)	Diesel Range Organics (mg/kg)	Heavy Oil Range Organics (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.23**	**0.23**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.23**	**0.23**	**NV**	**NV**
IS-1	IS-1	7/23/2013	0 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.16	0.19	**0.43**	**0.35**	38	230
IS-2	IS-2	7/23/2013	0 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.09	0.13	**0.30**	0.22	740	6,100
IS-3	IS-3	7/23/2013	0 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.18	0.2	**0.46**	**0.38**	100	640
IS-4	IS-4	7/23/2013	0 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.34 E	0.56 E	**0.98**	**0.9** E	63	470
IS-5	IS-5	7/24/2013	0 - 3	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.25	0.24	**0.57**	**0.49**	49	320

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary sediment screening levels.

mg/kg = milligrams per kilogram.

NV = No available value.

MRL = Method reporting limit.

U = The laboratory report noted that the analyte was not detected at or above the reported result.

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 35
Intertidal Sediment Sample Analytical Results - Phenols
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Inches)	2,4,5-Trichlorophenol (mg/kg)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dichlorophenol (mg/kg)	2,4-Dimethylphenol (mg/kg)	2,4-Dinitrophenol (mg/kg)	2-Chlorophenol (mg/kg)	2-Nitrophenol (mg/kg)	3-Methylphenol and 4-Methylphenol coelution (mg/kg)	4,6-Dinitro-2-Methylphenol (mg/kg)	4-Chloro-3-methylphenol (mg/kg)	4-Nitrophenol (mg/kg)	2-Methylphenol(o-Cresol) (mg/kg)	Pentachlorophenol (mg/kg)	Phenol (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				**NV**	**NV**	**NV**	**0.029**	**NV**	**NV**	**NV**	**0.67**	**NV**	**NV**	**NV**	**0.063**	**0.36**	**0.42**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.0097**	**0.0081**	**0.0058**	**0.0186**	**0.0139**	**0.0061**	**0.0083**	**0.0145**	**0.0106**	**0.0045**	**0.0177**	**0.0065**	**0.0062**	**0.0054**
IS-1	IS-1	7/23/2013	0 - 3	0.01 U	0.008 U	0.006 U	0.019 U	0.014 U	0.006 U	0.008 U	0.014 U	0.011 U	0.004 U	0.018 U	0.006 U	0.024 E	0.27 U
IS-2	IS-2	7/23/2013	0 - 3	0.01 U	0.008 U	0.006 U	0.019 U	0.014 U	0.006 U	0.008 U	0.014 U	0.011 U	0.004 U	0.018 U	0.006 U	0.031 E	0.057
IS-3	IS-3	7/23/2013	0 - 3	0.01 U	0.008 U	0.006 U	0.019 U	0.014 U	0.006 U	0.008 U	0.014 U	0.011 U	0.004 U	0.018 U	0.006 U	0.033 E	0.27 U
IS-4	IS-4	7/23/2013	0 - 3	0.48 U	0.4 U	0.29 U	0.93 U	0.69 U	0.31 U	0.41 U	0.72 U	0.53 U	0.22 U	0.89 U	0.32 U	0.31 U	0.27 U
IS-5	IS-5	7/24/2013	0 - 3	0.01 U	0.008 U	0.006 U	0.019 U	0.014 U	0.006 U	0.008 U	0.014 U	0.011 U	0.004 U	0.018 U	0.006 U	0.018 E	0.005 U

Notes:

Non-detected values highlighted in blue exceed the preliminary sediment screening levels.

mg/kg = milligrams per kilogram.

NV = No value available.

U = The laboratory report noted that the analyte was not detected at or above the reported result.

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 36
Intertidal Sediment Sample Analytical Results - Phthalates
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Inches)	Bis(2-ethylhexyl) phthalate (mg/kg)	Butyl benzyl phthalate (mg/kg)	Dibutyl phthalate (mg/kg)	Diethyl phthalate (mg/kg)	Dimethyl phthalate (mg/kg)	Di-n-octyl phthalate (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				**1.3**	**0.063**	**1.4**	**0.2**	**0.071**	**6.2**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.014**	**0.0058**	**0.02**	**0.0041**	**0.0012**	**0.0033**
IS-1	IS-1	7/23/2013	0 - 3	**1.4** E	0.024	0.02 U	0.012	0.06 U	0.0032 U
IS-2	IS-2	7/23/2013	0 - 3	0.55	**0.082**	0.069	0.055	0.017	0.0032 U
IS-3	IS-3	7/23/2013	0 - 3	0.86 E	0.04	0.037	0.076	0.06 U	0.0032 U
IS-4	IS-4	7/23/2013	0 - 3	0.67 U	0.29 U	1 U	0.2 U	0.06 U	0.16 U
IS-5	IS-5	7/24/2013	0 - 3	0.4	0.044	0.02 U	0.016	0.0076	0.0032 U

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary sediment screening levels.

Non-detected values highlighted in blue exceed the preliminary sediment screening levels.

mg/kg = milligrams per kilogram.

U = The laboratory report noted that the analyte was not detected at or above the reported result.

E = The laboratory report noted that the reported result is an estimate because it exceeds calibration range.

[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 37
Intertidal Sediment Sample Analytical Results - SVOCs
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Inches)	1,2,4-Trichlorobenzene (mg/kg)	1,2-Dichlorobenzene (mg/kg)	1,3-Dichlorobenzene (mg/kg)	1,4-Dichlorobenzene (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	2-Chloronaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	2-Nitroaniline (mg/kg)	4-Bromophenyl phenyl ether (mg/kg)	4-Chloroaniline (mg/kg)	4-Chlorophenyl-Phenylether (mg/kg)	4-Nitroaniline (mg/kg)	Benzoic acid (mg/kg)	Benzyl alcohol (mg/kg)	Bis(2-chloroethoxy)methane (mg/kg)	Bis(2-Chloroethyl)Ether (mg/kg)	Bis(2-chloroisopropyl) ether (mg/kg)	Carbazole (mg/kg)	Dibenzofuran (mg/kg)	Hexachlorobenzene (mg/kg)	Hexachlorobutadiene (mg/kg)	Hexachlorocyclopentadiene (mg/kg)	Hexachloroethane (mg/kg)	Isophorone (mg/kg)	m-Nitroaniline (mg/kg)	Nitrobenzene (mg/kg)	N-Nitrosodi-n-propylamine (mg/kg)	N-Nitrosodiphenylamine (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				**0.031**	**0.035**	**0.17**	**0.11**	**NV**	**NV**	**NV**	**0.67**	**NV**	**NV**	**NV**	**NV**	**NV**	**0.65**	**0.057**	**NV**	**NV**	**NV**	**NV**	**0.54**	**0.022**	**0.011**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**	**NV**
2013 Laboratory Practical Quantitation Limits (mg/kg)				**0.0034**	**0.004**	**0.0027**	**0.0024**	**0.0016**	**0.0019**	**0.0014**	**0.001**	**0.0026**	**0.0016**	**0.18**	**0.0016**	**0.0182**	**0.055**	**0.00051**	**0.0014**	**0.0016**	**0.0016**	**0.002**	**0.001**	**0.001**	**0.002**	**0.0022**	**0.0033**	**0.0011**	**0.0173**	**0.0026**	**0.0031**	**0.0048**
IS-1	IS-1	7/23/2013	0 - 3	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0019 U	0.0014 U	0.0058	0.0026 U	0.0016 U	0.18 U	0.0016 U	0.018 U	0.054 U	0.25 U	0.0014 U	0.0016 U	0.0016 U	0.1 U	0.0067	0.001 U	0.002 U	0.0022 U	0.0032 U	0.0011 U	0.017 U	0.0026 U	0.003 U	0.001 U
IS-2	IS-2	7/23/2013	0 - 3	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0019 U	0.0014 U	0.011	0.0026 U	0.0016 U	0.18 U	0.0016 U	0.018 U	0.054 U	0.028	0.0014 U	0.0016 U	0.0016 U	0.087	0.018	0.001 U	0.002 U	0.0022 U	0.0032 U	0.0011 U	0.017 U	0.0026 U	0.003 U	0.001 U
IS-3	IS-3	7/23/2013	0 - 3	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0019 U	0.0014 U	0.0044	0.0026 U	0.0016 U	0.18 U	0.0016 U	0.018 U	0.063	0.25 U	0.0014 U	0.0016 U	0.0016 U	0.1 U	0.0064	0.001 U	0.002 U	0.0022 U	0.0032 U	0.0011 U	0.017 U	0.0026 U	0.003 U	0.001 U
IS-4	IS-4	7/23/2013	0 - 3	0.17 U	0.2 U	0.13 U	0.12 U	0.079 U	0.094 U	0.072 U	0.051 U	0.13 U	0.082 U	8.9 U	0.079 U	0.91 U	2.7 U	0.25 U	0.072 U	0.079 U	0.079 U	0.1 U	0.051 U	0.051 U	0.1 U	0.11 U	0.16 U	0.056 U	0.87 U	0.13 U	0.15 U	0.051 U
IS-5	IS-5	7/24/2013	0 - 3	0.0034 U	0.004 U	0.0026 U	0.0024 U	0.0016 U	0.0019 U	0.0014 U	0.005	0.0026 U	0.0016 U	0.18 U	0.0016 U	0.018 U	0.056	0.012	0.0014 U	0.0016 U	0.0016 U	0.024	0.0063	0.001 U	0.002 U	0.0022 U	0.0032 U	0.0011 U	0.017 U	0.0026 U	0.003 U	0.0015

Notes:
Non-detected values highlighted in blue exceed the preliminary sediment screening levels
mg/kg = milligrams per kilogram
U = The laboratory report noted that the analyte was not detected at or above the reported resul
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 38
Intertidal Sediment Sample Analytical Results - Dioxins/Furans
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Sample Date	Sample Depth (Inches)	Individual Dioxin/Furan Compounds															
				2,3,7,8-TCDD (mg/kg)	1,2,3,7,8-PeCDD (mg/kg)	1,2,3,4,7,8-HxCDD (mg/kg)	1,2,3,6,7,8-HxCDD (mg/kg)	1,2,3,7,8,9-HxCDD (mg/kg)	1,2,3,4,6,7,8-HpCDD (mg/kg)	OCDD (mg/kg)	2,3,7,8-TCDF (mg/kg)	1,2,3,7,8-PeCDF (mg/kg)	2,3,4,7,8-PeCDF (mg/kg)	1,2,3,4,7,8-HxCDF (mg/kg)	1,2,3,6,7,8-HxCDF (mg/kg)	2,3,4,6,7,8-HxCDF (mg/kg)	1,2,3,7,8,9-HxCDF (mg/kg)	1,2,3,4,6,7,8-HpCDF (mg/kg)	1,2,3,4,7,8,9-HpCDF (mg/kg)	OCDF (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
2013 Laboratory Practical Quantitation Limits (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
IS-1	IS-1	7/23/2013	0 - 3	5.03E-07 EMPC	1.93E-06 JT	3.62E-06	1.09E-05	7.83E-06	3.33E-04	3.35E-03	2.31E-06	2.08E-06 JT	4.13E-06	6.12E-06	2.99E-06	3.69E-06	2.00E-07 U	4.70E-05	4.11E-06	1.48E-04
IS-2	IS-2	7/23/2013	0 - 3	8.54E-07	3.22E-06	6.38E-06	2.41E-05	1.29E-05	8.03E-04	7.37E-03	2.31E-06	2.18E-06 JT	5.57E-06	8.56E-06	4.94E-06	7.03E-06	2.14E-07 U	1.30E-04	1.80E-05	8.04E-04
IS-3	IS-3	7/23/2013	0 - 3	5.02E-07 EMPC	2.17E-06 JT	3.75E-06	1.37E-05	7.39E-06	3.99E-04	3.39E-03	2.03E-06	1.64E-06 JT	4.14E-06	6.53E-06	3.47E-06	4.56E-06	1.66E-07 U	6.36E-05	5.09E-06	2.40E-04
IS-4	IS-4	7/23/2013	0 - 3	9.17E-07	3.62E-06 EMPC	8.08E-06	2.53E-05	1.31E-06	8.23E-04	8.11E-03	4.93E-06	4.75E-06	8.04E-06	1.02E-05	6.00E-06	7.48E-06	2.24E-07 U	1.04E-04	8.13E-06	3.35E-04
IS-5	IS-5	7/24/2013	0 - 3	1.12E-06	3.19E-06	6.26E-06	1.72E-05	1.09E-05	4.89E-04	3.82E-03	5.09E-06	2.93E-06	7.45E-06	1.11E-05	5.98E-06	6.57E-06	2.04E-07 U	7.70E-05	6.56E-06	2.48E-04

Location	Sample ID	Sample Date	Sample Depth (Inches)	Total Dioxin/Furan Compounds								Toxicity Equivalence	
				Total TCDD (mg/kg)	Total PeCDD (mg/kg)	Total HxCDD (mg/kg)	Total HpCDD (mg/kg)	Total TCDF (mg/kg)	Total PeCDF (mg/kg)	Total HxCDF (mg/kg)	Total HpCDF (mg/kg)	2,3,7,8-TCDD TEQ (U = 1/2 MRL) (mg/kg)	2,3,7,8-TCDD TEQ (U = 0) (mg/kg)
Preliminary Sediment Screening Levels[a] (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	2.20E-06	2.20E-06
2013 Laboratory Practical Quantitation Limits (mg/kg)				NV	NV	NV	NV	NV	NV	NV	NV	1.20E-07	1.20E-07
IS-1	IS-1	7/23/2013	0 - 3	5.71E-06	1.70E-05	1.19E-05	1.13E-03	3.80E-05	4.26E-04	7.98E-04	1.50E-04	**1.19E-05**	**1.19E-05**
IS-2	IS-2	7/23/2013	0 - 3	9.07E-06	2.14E-05	2.18E-04	2.38E-03	3.84E-05	6.07E-05	1.70E-04	5.24E-04	**2.43E-05**	**2.43E-05**
IS-3	IS-3	7/23/2013	0 - 3	6.87E-06	1.75E-05	1.21E-04	1.06E-03	3.49E-05	4.39E-05	1.01E-04	2.24E-04	**1.34E-05**	**1.34E-05**
IS-4	IS-4	7/23/2013	0 - 3	1.49E-05	2.56E-05	2.56E-04	2.82E-03	7.33E-05	8.94E-05	1.68E-04	3.49E-04	**2.30E-05**	**2.29E-05**
IS-5	IS-5	7/24/2013	0 - 3	1.10E-05	2.40E-05	1.61E-04	1.26E-03	6.63E-05	7.54E-05	1.33E-04	2.38E-04	**1.99E-05**	**1.99E-05**

Notes:

Detected values in bold and highlighted in yellow exceed the preliminary catch basin solids screening levels.
mg/kg = milligrams per kilogram.
NV = No available value.
U = The laboratory report noted that the analyte was not detected at or above the reported result.
JT = The laboratory report noted that the analyte was positively identified and the reported result is an estimate below the associated quantitation limit, but above the method detection limit.
EMPC = The laboratory report noted that the signal/noise ratio was not sufficient for peak identification or there was a co-eluting interference.
[a] Preliminary screening levels are based on the most stringent potential ARARs for the site, or the practical quantitation limit (PQL), whichever is higher.

Table 39
2013 Groundwater Monitoring Data
8th Avenue Terminals, Inc. Site
Seattle, Washington

Well Number	Top of Casing Elevation[a] (feet)	Date Measured	Depth to Groundwater[b] (feet)	Groundwater Elevation (feet)	Depth to Surface Water[b] (feet)	Surface Water Elevation (feet)
Slip 4 Stilling Well						
Stilling Well	17.10	7/10/2013			19.57[c]	-2.47
		9/23/2013			8.27[d]	8.83
		10/2/2013			16.42[c]	0.68
Shallow Groundwater Monitoring Wells						
CMW-1	16.10	7/10/2013	10.60[c]	5.50		
		9/23/2013	9.44[d]	6.66		
		10/2/2013	9.83[c]	6.27		
CMW-2	16.30	7/10/2013	12.17[c]	4.13		
		9/23/2013	7.60[d]	8.70		
		10/2/2013	11.65[c]	4.65		
CMW-3	16.46	7/10/2013	14.51[c]	1.95		
		9/23/2013	9.96[d]	6.50		
		10/2/2013	12.99[c]	3.47		
CMW-4	16.01	7/10/2013	14.10[c]	1.91		
		9/23/2013	NM	--		
		10/2/2013	NM	--		
CMW-5	16.60	7/10/2013	14.97[c]	1.63		
		9/23/2013	10.38[d]	6.22		
		10/2/2013	13.32[c]	3.28		
CMW-6	16.42	7/10/2013	15.13[c]	1.29		
		9/23/2013	9.94[d]	6.48		
		10/2/2013	13.43[c]	2.99		
CMW-7	16.44	7/10/2013	15.24[c]	1.20		
		9/23/2013	9.37[d]	7.07		
		10/2/2013	13.58[c]	2.86		
DMW-2	16.46	7/10/2013	12.74[c]	3.72		
		9/23/2013	11.01[d]	5.45		
		10/2/2013	11.86[c]	4.60		
DMW-3	16.47	7/10/2013	12.85[c]	3.62		
		9/23/2013	10.81[d]	5.66		
		10/2/2013	12.06[c]	4.41		
DMW-6	16.39	7/10/2013	13.43[c]	2.96		
		9/23/2013	10.56[d]	5.83		
		10/2/2013	12.33[c]	4.06		
HC-4	16.45	7/10/2013	13.98[c]	2.47		
		9/23/2013	10.00[d]	6.45		
		10/2/2013	12.73[c]	3.72		
HC-19	16.57	7/10/2013	NM	--		
		9/23/2013	NM	--		
		10/2/2013	NM	--		
HC-20	16.66	7/10/2013	12.78[c]	3.88		
		9/23/2013	11.33[d]	5.33		
		10/2/2013	11.96[c]	4.70		
SLR-1	12.05	7/10/2013	7.12[c]	4.93		
		9/23/2013	6.14[d]	5.91		
		10/2/2013	NM	--		

Table 39
2013 Groundwater Monitoring Data
8th Avenue Terminals, Inc. Site
Seattle, Washington

Well Number	Top of Casing Elevation[a] (feet)	Date Measured	Depth to Groundwater[b] (feet)	Groundwater Elevation (feet)	Depth to Surface Water[b] (feet)	Surface Water Elevation (feet)
Shallow Groundwater Monitoring Wells (Cont.)						
SLR-2	11.25	7/10/2013	6.31[c]	4.94		
		9/23/2013	5.00[d]	6.25		
		10/2/2013	4.02[c]	7.23		
SLR-3	11.86	7/10/2013	7.71[c]	4.15		
		9/23/2013	5.47[d]	6.39		
		10/2/2013	6.77[c]	5.09		
SLR-6	12.37	7/10/2013	8.87[c]	3.50		
		9/23/2013	6.44[d]	5.93		
		10/2/2013	7.80[c]	4.57		
SLR-7	14.15	7/10/2013	9.48[c]	4.67		
		9/23/2013	8.60[d]	5.55		
		10/2/2013	8.60[c]	5.55		
EMW-1S	16.13	7/10/2013	10.25[c]	5.88		
		9/23/2013	10.18[d]	5.95		
		10/2/2013	9.94[c]	6.19		
EMW-2S	12.66	7/10/2013	8.88[c]	3.78		
		9/23/2013	6.52[d]	6.14		
		10/2/2013	7.86[c]	4.80		
EMW-3S	16.43	7/10/2013	14.14[c]	2.29		
		9/23/2013	9.72[d]	6.71		
		10/2/2013	12.51[c]	3.92		
EMW-5S	16.64	7/10/2013	13.18[c]	3.46		
		9/23/2013	10.51[d]	6.13		
		10/2/2013	12.09[c]	4.55		
EMW-6S	16.17	7/10/2013	11.71[c]	4.46		
		9/23/2013	10.51[d]	5.66		
		10/2/2013	10.81[c]	5.36		
EMW-7S	16.71	7/10/2013	12.58[c]	4.13		
		9/23/2013	11.04[d]	5.67		
		10/2/2013	11.77[c]	4.94		
EMW-8S	16.55	7/10/2013	12.98[c]	3.57		
		9/23/2013	10.57[d]	5.98		
		10/2/2013	11.95[c]	4.60		
EMW-9S	16.63	7/10/2013	13.60[c]	3.03		
		9/23/2013	10.37[d]	6.26		
		10/2/2013	12.41[c]	4.22		
EMW-11S	16.61	7/10/2013	12.93[c]	3.68		
		9/23/2013	10.97[d]	5.64		
		10/2/2013	12.06[c]	4.55		
EMW-12S	16.81	7/10/2013	14.95[c]	1.86		
		9/23/2013	10.14[d]	6.67		
		10/2/2013	13.45[c]	3.36		
EMW-13S	16.39	7/10/2013	13.49[c]	2.90		
		9/23/2013	8.99[d]	7.40		
		10/2/2013	12.03[c]	4.36		

Table 39
2013 Groundwater Monitoring Data
8th Avenue Terminals, Inc. Site
Seattle, Washington

Well Number	Top of Casing Elevation[a] (feet)	Date Measured	Depth to Groundwater[b] (feet)	Groundwater Elevation (feet)	Depth to Surface Water[b] (feet)	Surface Water Elevation (feet)
Deep Groundwater Monitoring Wells						
EMW-4D	16.80	7/10/2013	15.71[c]	1.09		
		9/23/2013	9.52[d]	7.28		
		10/2/2013	13.81[c]	2.99		
EMW-10D	16.82	7/10/2013	13.09[c]	3.73		
		9/23/2013	11.00[d]	5.82		
		10/2/2013	12.29[c]	4.53		
EMW-14D	16.42	7/10/2013	15.14[c]	1.28		
		9/23/2013	9.80[d]	6.62		
		10/2/2013	13.51[c]	2.91		
EMW-15D	16.07	7/10/2013	14.86[c]	1.21		
		9/23/2013	NM	--		
		10/2/2013	13.02[c]	3.05		
EMW-16D	16.52	7/10/2013	15.86[c]	0.66		
		9/23/2013	9.14[d]	7.38		
		10/2/2013	13.97[c]	2.55		

Notes:

[a] = Top of casing elevations were surveyed relative to the NAVD 88 datum by Signature Surveying & Mapping.

[b] = Measurements in feet below the top of the well casing.

[c] = Measured during low tide conditions in the Lower Duwamish Waterway.

[d] = Measured during high tide conditions in the Lower Duwamish Waterway.

NM = Not measured because well was not accessible.

Table 40
Final Groundwater Field Parameter Measurements Prior to Sampling
8th Avenue Terminals, Inc.
Seattle, Washington

Location	Sample ID	Sample Date	Sample Time	Temperature (degrees C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity	Color
CMW-1	CMW-1-0713	7/11/2013	13:19	16.32	19.72	2.91	6.21	81.0	clear	none
CMW-1	CMW-1-092513	9/25/2013	11:15	16.73	19.10	1.76	6.41	7.1	clear	none
CMW-1	CMW-1-100213	10/2/2013	10:59	16.62	31.79	1.13	6.33	37.3	clear	none
CMW-2	CMW-2-0713	7/12/2013	12:47	16.69	12.24	6.19	7.57	68.8	clear	none
CMW-2	CMW-2-092413	9/24/2013	10:30	18.00	14.97	6.72	7.40	-15.4	clear	none
CMW-2	CMW-2-100113	10/1/2013	10:56	16.19	7.784	4.09	7.48	25.9	clear	none
CMW-3	CMW-3-0713	7/12/2013	13:53	15.25	7.654	2.16	7.33	20.7	clear	none
CMW-3	CMW-3-092413	9/24/2013	9:51	17.39	17.74	0.57	7.04	-4.0	clear	none
CMW-3	CMW-3-093013	9/30/2013*	--	--	--	--	--	--	--	--
CMW-4	CMW-4-0713	7/11/2013	13:03	15.18	9.497	3.32	7.42	112.0	clear	none
CMW-4	CMW-4-092513	9/25/2013	10:55	18.25	19.02	2.93	7.07	-10.6	clear	none
CMW-4	CMW-4-100313	10/3/2013	9:50	18.14	21.04	2.23	7.09	-6.7	clear	none
CMW-5	CMW-5-0713	7/12/2013	13:42	16.4	0.557	0.32	6.32	-38.3	clear	none
CMW-5	CMW-5-092413	9/24/2013	9:00	17.83	0.491	0.26	6.36	-138.8	clear	none
CMW-5	CMW-5-093013	9/30/2013	9:48	17.69	0.545	0.34	6.52	-148.7	clear	none
CMW-6	CMW-6-0713	7/12/2013	15:33	15.82	18.08	4.30	6.94	90.0	clear	none
CMW-6	CMW-6-092513	9/25/2013	9:53	17.87	42.21	3.62	8.11	-4.4	clear	none
CMW-6	CMW-6-100113	10/1/2013	9:39	17.49	17.76	3.43	8.00	49.7	clear	none
CMW-7	CMW-7-0713	7/12/2013	15:09	13.51	1.700	5.44	6.53	96.7	clear	none
CMW-7	CMW-7-092613	9/26/2013	11:12	14.78	4.642	1.76	6.26	72.7	clear	none
CMW-7	CMW-7-100213	10/2/2013	10:38	14.31	2.775	3.09	8.22	23.8	clear	none
DMW-2	DMW-2-0713	7/12/2013	9:29	14.7	0.90	2.89	6.68	75	low	none
DMW-2	DMW-2-092313	9/23/2013	13:53	16.24	0.353	0.20	6.34	-91.8	clear	none
DMW-2	DMW-2-093013	9/30/2013	11:40	15.74	0.375	0.21	6.41	-94.5	clear	none
DMW-3	DMW-3-0713	7/12/2013	10:45	14.1	0.991	3.12	6.71	12	low	none
DMW-3	DMW-3-092313	9/23/2013	12:14	15.51	0.323	0.22	7.55	-97.5	clear	none
DMW-3	DMW-3-093013	9/30/2013	14:23	14.91	0.344	0.37	8.44	-88.7	clear	none
DMW-6	DMW-6-0713	7/11/2013	17:17	15.5	0.473	3.59	6.24	-58	clear	brown
DMW-6	DMW-6-092313	9/23/2013	14:36	16.55	0.312	0.17	8.03	-144.1	clear	none
DMW-6	DMW-6-100213	10/2/2013	12:29	15.87	0.319	0.26	9.66	-136.6	clear	none
EMW-1S	EMW-1S-0713	7/11/2013	9:37	13.72	0.569	0.24	6.27	-38.6	clear	none
EMW-1S	EMW-1S-092313	9/23/2013	13:25	15.01	0.405	0.43	6.44	-88.3	clear	none
EMW-1S	EMW-1S-093013	9/30/2013	12:03	13.77	0.586	0.23	6.55	-48.6	clear	none

Table 40
Final Groundwater Field Parameter Measurements Prior to Sampling
8th Avenue Terminals, Inc.
Seattle, Washington

Location	Sample ID	Sample Date	Sample Time	Temperature (degrees C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity	Color
EMW-2S	EMW-2S-0713	7/12/2013	12:32	13.1	0.328	3.33	6.74	38	low	none
EMW-2S	EMW-2S-092313	9/23/2013	10:06	13.43	0.259	0.43	6.09	-12.6	clear	none
EMW-2S	EMW-2S-100313	10/3/2013	11:48	13.62	0.350	0.51	6.55	-102.5	clear	none
EMW-3S	EMW-3S-0713	7/11/2013	11:52	16.17	9.606	0.67	6.02	-82.8	clear	none
EMW-3S	EMW-3S-092513	9/25/2013	9:53	16.40	14.51	0.44	5.78	35.0	clear	none
EMW-3S	EMW-3S-100113	10/1/2013	9:14	15.97	17.30	0.76	5.94	-78.3	clear	none
EMW-4D	EMW-4D-0713	7/11/2013	14:33	15.54	9.610	0.43	6.68	-130.3	clear	none
EMW-4D	EMW-4D-092513	9/25/2013	10:37	14.51	6.645	0.17	6.81	-53.3	clear	none
EMW-4D	EMW-4D-100113	10/1/2013	8:41	13.51	13.60	0.28	6.60	-34.5	clear	none
EMW-5S	EMW-5S-0713	7/12/2013	11:15	14.67	0.514	0.16	6.11	25.9	clear	none
EMW-5S	EMW-5S-092413	9/24/2013	13:35	15.20	0.505	0.18	6.31	-82.0	clear	none
EMW-5S	EMW-5S-100213	10/2/2013	14:39	14.92	0.528	0.30	7.94	-65.3	clear	none
EMW-6S	EMW-6S-0713	7/10/2013	14:56	15.67	0.323	0.41	6.22	-29.1	clear	none
EMW-6S	EMW-6S-092313	9/23/2013	10:23	15.21	0.327	0.32	6.13	-117.3	clear	none
EMW-6S	EMW-6S-100213	10/2/2013	13:02	16.88	0.265	0.39	6.51	5.2	clear	none
EMW-7S	EMW-7S-0713	7/11/2013	8:28	14.34	0.422	0.44	6.23	-65.7	clear	none
EMW-7S	EMW-7S-092313	9/23/2013	11:35	15.32	0.375	0.24	6.34	-136.6	clear	none
EMW-7S	EMW-7S-100213	10/2/2013	15:00	14.86	0.392	0.21	6.51	-140.9	clear	none
EMW-8S	EMW-8S-0713	7/12/2013	9:14	17.69	0.496	0.32	6.30	3.9	clear	none
EMW-8S	EMW-8S-092413	9/24/2013	12:21	17.44	0.435	0.22	6.26	-65.8	clear	none
EMW-8S	EMW-8S-100313	10/3/2013	7:54	15.90	0.417	0.34	6.23	-82.3	clear	none
EMW-9S	EMW-9S-0713	7/12/2013	10:19	15.08	0.359	0.62	6.26	-80.5	clear	none
EMW-9S	EMW-9S-092313	9/23/2013	15:11	16.52	0.342	0.20	6.25	-97.0	clear	none
EMW-9S	EMW-9S-093013	9/30/2013	13:33	15.32	0.377	0.26	6.42	-99.1	clear	none
EMW-10D	EMW-10D-0713	7/10/2013	15:32	14.97	8.065	0.20	6.51	-76.2	clear	none
EMW-10D	EMW-10D-092513	9/25/2013	13:01	14.45	7.941	0.30	6.56	-143.2	clear	none
EMW-10D	EMW-10D-100113	10/1/2013	11:58	14.14	8.102	0.34	9.12	-107.2	clear	none
EMW-11S	EMW-11S-0713	7/11/2013	16:22	14.91	0.433	1.74	6.16	8.2	clear	none
EMW-11S	EMW-11S-092313	9/23/2013	13:32	15.15	0.359	0.36	6.91	-14.8	clear	none
EMW-11S	EMW-11S-093013	9/30/2013	11:52	14.49	0.406	0.78	7.56	7.4	clear	none
EMW-12S	EMW-12S-0713	7/12/2013	14:41	12.8	0.372	6.69	6.83	174	low	none
EMW-12S	EMW-12S-092413	9/24/2013	8:59	13.62	0.578	0.72	6.83	50.1	clear	none
EMW-12S	EMW-12S-100313	10/3/2013	10:15	13.72	0.399	1.89	6.26	-14.9	clear	none

Table 40
Final Groundwater Field Parameter Measurements Prior to Sampling
8th Avenue Terminals, Inc.
Seattle, Washington

Location	Sample ID	Sample Date	Sample Time	Temperature (degrees C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity	Color
EMW-13S	EMW-13S-0713	7/11/2013	13:39	15.5	17.9	4.75	7.39	-89	low	none
EMW-13S	EMW-13S-092513	9/25/2013	11:18	16.33	29.94	6.80	8.04	-1.1	clear	none
EMW-13S	EMW-13S-100113	10/1/2013	7:56	15.57	17.48	1.41	9.23	13.2	clear	none
EMW-14D	EMW-14D-0713	7/11/2013	14:47	14.2	7.31	3.57	6.57	-91	low	none
EMW-14D	EMW-14D-092513	9/25/2013	10:37	15.64	25.86	0.26	8.96	-126.5	clear	none
EMW-14D	EMW-14D-093013	9/30/2013	10:05	15.78	15.00	0.37	9.08	-102.5	clear	none
EMW-15D	EMW-15D-0713	7/11/2013	15:03	14.56	10.16	0.05	6.56	-20.2	clear	none
EMW-15D	EMW-15D-092513	9/25/2013	10:12	15.15	12.50	0.67	6.61	-140.9	clear	none
EMW-15D	EMW-15D-100113	10/1/2013	7:49	14.83	6.302	0.30	6.51	-138.9	clear	none
EMW-16D	EMW-16D-0713	7/11/2013	12:28	14.2	36.3	3.09	6.47	15	low	none
EMW-16D	EMW-16D-092413	9/24/2013	9:54	14.76	62.54	0.27	8.15	-68.2	clear	none
EMW-16D	EMW-16D-100213	10/2/2013	11:02	13.19	33.37	0.21	6.46	-127.3	clear	none
HC-4	HC-4-092413	9/24/2013	11:51	14.71	0.357	0.46	6.47	53.4	clear	none
HC-20	HC-20-0713	7/11/2013	9:52	14.80	0.272	0.53	5.86	-3.7	clear	none
HC-20	HC-20-092313	9/23/2013	12:42	15.72	0.265	0.28	5.97	-42.4	clear	none
HC-20	HC-20-100113	10/1/2013	13:11	15.26	0.296	0.30	6.12	-70.1	clear	none
SLR-1	SLR-1-0713	7/11/2013	8:21	13.65	0.488	0.21	6.38	-54.0	clear	brown
SLR-1	SLR-1-092313	9/23/2013	12:06	15.86	0.311	0.38	6.68	-86.1	clear	none
SLR-1	SLR-1-100313	10/3/2013	8:47	15.63	0.553	0.11	6.64	-121.2	clear	none
SLR-2	SLR-2-0713	7/11/2013	10:21	12.6	0.313	6.77	6.50.	258	clear	brown
SLR-2	SLR-2-092313	9/23/2013	12:46	15.15	0.213	4.38	6.44	85.7	clear	none
SLR-2	SLR-2-100213	10/2/2013	13:29	14.52	0.283	4.31	6.89	58.1	clear	none
SLR-3	SLR-3-0713	7/12/2013	9:19	15.86	1.355	0.21	6.47	-78.5	low	brown/yellow
SLR-3	SLR-3-092313	9/23/2013	15.:15	19.04	1.085	0.21	6.78	-146.3	clear	light yellow
SLR-3	SLR-3-100313	10/3/2013	11:50	17.40	1.865	0.21	6.70	-129.5	clear	yellow
SLR-6	SLR-6-0713	7/12/2013	11:31	15.44	0.409	5.00	6.21	118.3	clear	none
SLR-6	SLR-6-092313	9/23/2013	10:27	15.37	0.339	1.91	6.78	17.6	clear	none
SLR-6	SLR-6-100113	10/1/2013	11:20	15.64	0.100	5.76	6.64	22.1	clear	none
SLR-7	SLR-7-0713	7/11/2013	11:36	15.20	0.430	0.52	6.30	39.8	clear	none
SLR-7	SLR-7-092313	9/23/2013	14:23	16.70	0.327	0.29	6.55	-55.7	clear	none
SLR-7	SLR-7-100113	10/1/2013	14:20	16.57	0.543	0.44	6.20	28.8	clear	none

Table 40
Final Groundwater Field Parameter Measurements Prior to Sampling
8th Avenue Terminals, Inc.
Seattle, Washington

Location	Sample ID	Sample Date	Sample Time	Temperature (degrees C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity	Color

Notes:

DO = Dissolved Oxygen

ORP = Oxidation Reduction Potential

mS/cm = milliSiemens per centimeter

g/L = grams per Liter

mg/L = milligrams per Liter

mV = milliVolts

* = Field form for sample CMW3-093013 cannot be located.

Table 41
Storm Water Drainage System Elevation Data
8th Avenue Terminals, Inc. Site
Seattle, Washington

Cactch Basin ID	Basin Rim Elevation	Pipe Invert Elevation	Bottom of Basin Elevation
Catch basins and Conveyance vaults			
DP1CB1	16.63	NM*	NM*
DP1CB2	16.65	14.8	11.3
DP1CB3	16.72	14.5	11.1
DP1CB4	16.63	14.6	11.1
DP1CB5	16.77	15.6	11.9
DP1CB6	16.73	14.5	11.0
DP2CB1	16.32	14.1	10.6
DP2CB2	16.49	14.5	10.8
DP2CB3	16.56	14.3	10.8
DP2CB4	16.49	14.2	11.0
DP2CB5	16.69	14.1	10.9
DP2CB6	16.68	14.6	11.0
DP3CB1	16.37	14.5	10.8
DP3CB2	16.55	14.3	10.9
DP3CB3	16.62	14.5	11.1
DP3CB4	16.57	14.2	11.3
DP3CB5	16.62	14.1	11.1
DP3CB6	16.75	15.1	11.6
DP4CB1	16.24	14.6	11.0
DP4CB2	16.67	15.3	12.6
DP4CB3	16.6	14.7	11.1
DP4CB4	16.7	14.6	11.1
DP5CB1	16.4	14.1	10.9
DP5CB2	16.61	14.7	11.2
DP5CB3	16.66	14.7	11.2
DP5CB4	16.55	14.4	11.0
DP5CB5	16.73	14.4	10.9
DP6CB1	16.59	13.8	10.5
DP6CB2	16.57	13.7	10.7
DP6CB3	16.63	14.8	11.8
DP6CB4	16.6	15.3	11.7
DP6CB5	16.69	15.3	11.9
FNCB1	12.23	10.6	7.6
FNCB2	12.27	10.5	7.8
FNCB3	11.56	10.2, 9.9 [a]	6.8
FSCB1	13.52	NM*	NM*
FSCB2	12.57	NM*	NM*
FSCB3	12.13	10.2	7.2
CV1	12.7	10.2, 10.0, 10.0 [b]	6.8
CV2	16.51	8.6, 8.6, 8.6 [c]	6.6

Outfall ID	Pipe Invert Elevation
Outfalls	
OF-1	9.4
OF-2	10.1
OF-3	9.5
OF-4	10.6
OF-5	11.6
OF-6	8.4

Notes:

Elevations were surveyed relative to the NAVD 88 datum by Signature Survey & Mapping, PLLC.

* = Invert and bottom elevations were not measured. Catch basin DP1CB1 is permanently welded shut, and FSCB1 and FSCB2 could not be opened.

[a] Elevations of the western influent pipe and the southern efluent pipe, respectively.

[b] Elevations of the northern influent pipe, western influent pipe, and the southern effluent pipe, respectively.

[c] Elevations of the northern influent pipe, western influent pipe, and the eastern effluent pipe, respectively.

Table 42
Coordinates of RI and Previous Investigation Locations
8th Avenue Terminals, Inc. Property
Seattle, Washington

Investigation Location ID	Northing	Easting		Investigation Location ID	Northing	Easting
CMW-1	199375.3618	1273356.8049		MW-1 (1988)	199604.6382	1273298.7478
CMW-2	199223.6701	1273303.6699		MW-1 (1994)	199610.4896	1273308.9693
CMW-2A	199228.4024	1273309.846		MW-2	199699.3133	1273225.1452
CMW-3	199072.0790	1273239.4112		MW-3	199630.5162	1273035.5520
CMW-4	198940.1406	1273167.5139		DB-1	199215.5038	1272653.8927
CMW-5	198829.5041	1273003.1701		DB-4	198757.1234	1272713.6296
CMW-6	198692.0313	1272872.7221		DB-5	199017.3508	1272956.6525
CMW-7	198703.2439	1272711.7835		DB-7	198848.3472	1273014.6844
DMW-2	199181.9172	1272715.2264		DB-8	199154.2511	1272796.3875
DMW-3	199085.9259	1272715.0913		DB-9	199248.8188	1272832.4397
DMW-6	198920.3950	1272851.4416		DB-10	199300.0834	1273078.1774
EB-5	199694.9450	1273220.9882		DB-11	199186.4558	1272727.9096
EB-14	199463.9928	1273127.1773		DB-12	199142.1743	1272731.1824
EB-16	199587.6998	1272982.7938		DB-13	198957.6895	1272909.7479
EB-17	199475.4279	1272983.6948		DB-14	199226.8258	1272726.9022
EB-24	199223.0032	1272991.1790		FB-4	199615.6912	1273006.6177
EB-28	199135.5352	1273184.1194		FB-5	199444.4896	1273194.3447
EB-32	198961.0941	1272718.2513		FSS1	199755.0328	1273048.8818
EB-38	199157.2908	1272918.3684		FSS2	199657.6325	1273091.1539
EB-40	198891.7964	1272681.9420		FSS3	199585.6040	1273146.9196
EB-41	198889.3824	1272799.0702		HA-1	199675.4897	1272978.4693
EB-45	199020.6846	1273154.8105		HA-2	199732.4896	1273035.4693
EB-46	198876.3573	1272946.8732		HA-3	199746.5403	1272934.0344
EB-47	198838.8335	1272866.8638		HA-4	199742.9896	1273109.4693
EB-50	198792.7239	1272951.1046		HA-5	199673.4896	1273087.4693
EB-51	198725.0646	1272836.5561		HA-6	199695.9896	1273164.9693
EMW-1S	199762.8701	1272940.1916		HA-7	199642.8122	1272941.0596
EMW-2S	199571.3088	1273329.7893		HA-8	199546.4517	1273005.4177
EMW-3S	199487.4178	1273364.8268		HA-9	199528.4896	1273095.4693
EMW-4D	199352.3349	1273365.9636		HA-10	199606.9896	1273184.9693
EMW-5S	199380.0316	1273148.3825		HA-11	199559.9896	1273234.4693
EMW-6S	199487.4967	1272871.4948		HA-12	199679.5301	1273256.2815
EMW-7S	199379.0938	1272655.2927		HA-13	199498.8336	1273226.2701
EMW-8S	199223.4916	1272897.2638		HC-1	199264.8174	1272675.5438
EMW-9S	199146.8372	1273044.6266		HC-1A	199269.7421	1272676.1527
EMW-10D	199094.3842	1272714.0850		HC-2	199614.5669	1273200.5824
EMW-11S	199007.9258	1272657.7068		HC-4	198785.5464	1272720.2993
EMW-12S	198751.8245	1272670.7591		HC-5	199265.5722	1272650.3681
EMW-13S	198667.9171	1272788.9076		HC-6	199290.5573	1272675.2881
EMW-14D	198695.8120	1272872.6787		HC-7	199341.1288	1272674.7846
EMW-15D	198939.7331	1273164.7700		HC-8	199301.2018	1272711.8107
EMW-16D	198688.3011	1272699.8067		HC-9	199266.1229	1272711.2534
SCV-12	199300.1288	1273322.9974		HC-10	199266.1229	1272751.3687
TRENCH1-1-8	199382.7952	1273311.9315		HC-11	199229.8450	1272712.3004
TRENCH1-2-9	199454.7860	1273300.5409		HC-12	199239.8506	1272675.0455
TRENCH2-1-8	199679.6917	1273277.5654		HC-13	199188.9719	1272675.2924
TRENCH4-1-3.0	199542.9066	1273170.6531		HC-14	199200.5454	1272674.7888
FMW1	199571.9111	1273238.6654		HC-15	199190.5732	1272728.5324
FMW2	199476.8534	1272789.6787		HC-16	199155.7607	1272714.8182
FMW3	199719.8602	1273033.8039		HC-17	199164.0635	1272675.0406
HC-20	199231.2802	1272652.0974		HC-18	199278.4037	1272674.5368
HC-101	199027.7537	1272655.9205		HC-19	199037.2051	1272865.8375

Table 42
Coordinates of RI and Previous Investigation Locations
8th Avenue Terminals, Inc. Property
Seattle, Washington

Investigation Location ID	Northing	Easting		Investigation Location ID	Northing	Easting
HC-102	199051.1952	1272802.4981		SB-9	199637.7796	1273267.8838
HC-103	198978.8497	1272722.5560		SB-10	199681.3300	1273226.6980
HC-104	198983.6401	1272838.8127		SB-11	199640.9833	1273176.9694
HC-105	198804.9378	1272650.2390		SEEP1	198661.7529	1272754.9544
HC-106	198857.1355	1272786.0324		SEEP2	198663.6590	1272825.9279
HC-107	198933.5733	1272940.9390		SEEP3	198907.5384	1273157.5539
HC-108	198929.2889	1272705.7945		SEEP4	198759.6771	1273049.1922
HC-110	198846.3298	1272717.0543		SEEP5	199162.5425	1273295.3441
IS-1	198652.1992	1272725.2545		SLR-1	199652.1885	1273064.4997
IS-2	198654.8326	1272813.7689		SLR-2	199673.9026	1273280.2515
IS-3	198683.4074	1272928.3097		SLR-3	199530.5292	1273163.0131
IS-4	198795.3761	1273045.0022		SLR-4	199429.0456	1273299.6568
IS-5	198930.8190	1273198.9489		SLR-5	199659.8880	1273189.7383
SB-1	199426.9920	1272919.1673		SLR-6	199543.6652	1273285.4376
SB-2	199378.3260	1272951.3174		SLR-7	199538.6107	1272997.4166
SB-3	199426.8290	1272983.4009		SS-1	199698.6553	1273105.3785
SB-4	199482.6463	1272951.3002		SS-2	199544.4545	1273303.9913
SB-5	199540.2508	1272915.6395		SS-3	199474.1412	1273210.2168
SB-6	199554.8627	1272997.5459		SS-4	199568.5451	1273042.0631
SB-7	199329.4896	1273055.4693		SS-5	199664.5373	1273019.6239
SB-8	199601.9833	1273223.9693		STILLING WELL	198912.3983	1273224.3431
				TP100810	199551.0253	1273343.9612

Notes:
Locations are based on Washington State Plane Coordinate System, North Zone, 83/91.

Table 43
Coordinates of Storm Water Drainage System Components
8th Avenue Terminals, Inc. Property
Seattle, Washington

Investigation Location ID	Northing	Easting		Investigation Location ID	Northing	Easting
DP1CB1	198715.1603	1272694.1630		DP5CB2	199007.4865	1273181.2738
DP1CB2	198822.0351	1272695.5953		DP5CB3	199108.2620	1273183.1766
DP1CB3	198919.4520	1272697.9890		DP5CB4	199207.0588	1273285.4733
DP1CB4	199022.2943	1272699.2523		DP5CB5	199208.2289	1273185.0374
DP1CB5	199122.2962	1272701.7773		DP6CB1	199309.4950	1273187.2982
DP1CB6	199220.1568	1272703.8554		DP6CB2	199313.1970	1273064.7268
DP2CB1	198711.6366	1272814.9982		DP6CB3	199315.4163	1272946.0117
DP2CB2	198816.5358	1272816.1793		DP6CB4	199318.0189	1272825.1643
DP2CB3	198917.2074	1272817.9506		DP6CB5	199319.2116	1272705.7805
DP2CB4	199014.7329	1272819.4018		FNCB1	199667.8799	1273077.0326
DP2CB5	199114.0193	1272821.3312		FNCB2	199672.6846	1273172.2095
DP2CB6	199217.1079	1272822.6990		FNCB3	199671.6288	1273279.6269
DP3CB1	198729.4725	1272934.5311		FSCB1	199536.9963	1272932.7295
DP3CB2	198810.7477	1272935.6483		FSCB2	199540.7251	1273118.3692
DP3CB3	198913.3805	1272937.7589		FSCB3	199541.5729	1273161.3799
DP3CB4	199013.1417	1272939.8069		CV1	199550.8762	1273287.6445
DP3CB5	199112.1194	1272941.0743		CV2	199301.9202	1273320.2663
DP3CB6	199214.0558	1272944.3061		OF-1	198668.8564	1272702.2627
DP4CB1	198912.7051	1273057.4666		OF-2	198660.9136	1272807.1402
DP4CB2	199014.3139	1273060.0239		OF-3	198691.4904	1272924.6789
DP4CB3	199109.5897	1273062.0068		OF-4	198835.0682	1273082.7685
DP4CB4	199210.1290	1273063.5599		OF-5	198930.6634	1273185.1771
DP5CB1	198954.8904	1273180.0293		OF-6	199300.8555	1273358.6648

Notes:
Locations are based on Washington State Plane Coordinate System, North Zone, 83/91.

Table 44
Groundwater Sample Analytical Results - Salinity
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Total Dissolved Solids (mg/L)	Chloride (mg/L)	Salinity (ppt)
CMW-1	CMW-1-061708	NA	NA	**6.7** [a]
CMW-1	CMW-1-0713	11,100	5,810	**10.5** [b]
CMW-1	CMW-1-092513	15,700	11,100	**20.1** [b]
CMW-1	CMW-1-100213	15,400	9,130	**16.5** [b]
CMW-2	CMW-2-061708	NA	NA	**10.5** [a]
CMW-2	CMW-2-0713	7,250	4,110	**7.4** [b]
CMW-2	CMW-2-092413	9,000	5,170	**9.3** [b]
CMW-2	CMW-2-100113	3,220	1,630	**2.9** [b]
CMW-3	CMW-3-0713	4,700	2,510	**4.5** [b]
CMW-3	CMW-3-092413	10,700	8,010	**14.5** [b]
CMW-3	CMW-3-093013	8,100	5,930	**10.7** [b]
CMW-4	CMW-4-061708	NA	NA	**6.1** [a]
CMW-4	CMW-4-0713	5,750	3,020	**5.5** [b]
CMW-4	CMW-4-092513	11,400	6,680	**12.1** [b]
CMW-4	CMW-4-100313	12,500	7,280	**13.2** [b]
CMW-5	CMW-5-061708	NA	NA	0.4 [a]
CMW-5	CMW-5-0713	374	28.4	0.1 [b]
CMW-5	CMW-5-092413	304	20.8	0.04 [b]
CMW-5	CMW-5-093013	312	22.6	0.04 [b]
CMW-6	CMW-6-061708	NA	NA	**11.3** [a]
CMW-6	CMW-6-0713	11,400	6,280	**11.3** [b]
CMW-6	CMW-6-092513	23,600	7,180	**13.0** [b]
CMW-6	CMW-6-100113	9,640	5,650	**10.2** [b]
CMW-7	CMW-7-061708	NA	NA	**0.9** [a]
CMW-7	CMW-7-0713	996	424	**0.8** [b]
CMW-7	CMW-7-092613	2,380	1,260	**2.3** [b]
CMW-7	CMW-7-100213	1,690	830	**1.5** [b]
DMW-2	DMW-2-0713	311	9.1	0.02 [b]
DMW-2	DMW-2-092313	268	9.1	0.02 [b]
DMW-2	DMW-2-093013	229	8.9	0.02 [b]
DMW-3	DMW-3-0713	239	25.2	0.05 [b]
DMW-3	DMW-3-092313	200	11.4	0.02 [b]
DMW-3	DMW-3-093013	208	11.8	0.02 [b]
DMW-6	DMW-6-0713	228	13.2	0.02 [b]
DMW-6	DMW-6-092313	230	11.3	0.02 [b]
DMW-6	DMW-6-100213	197	9.1	0.02 [b]
EMW-1S	EMW-1S-0713	339	5.3	0.01 [b]
EMW-1S	EMW-1S-092313	328	5.7	0.01 [b]
EMW-1S	EMW-1S-093013	257	14	0.03 [b]
EMW-2S	EMW-2S-0713	210	5.8	0.01 [b]
EMW-2S	EMW-57S-0713(dupl.)	185	5.9	0.01 [b]
EMW-2S	EMW-2S-092313	234	10	0.02 [b]
EMW-2S	EMW-2S-100313	230	7.4	0.01 [b]
EMW-2S	EMW-57S-100313(dupl.)	226	7.8	0.01 [b]

Table 44
Groundwater Sample Analytical Results - Salinity
8th Avenue Terminals, Inc. Site
Seattle, Washington

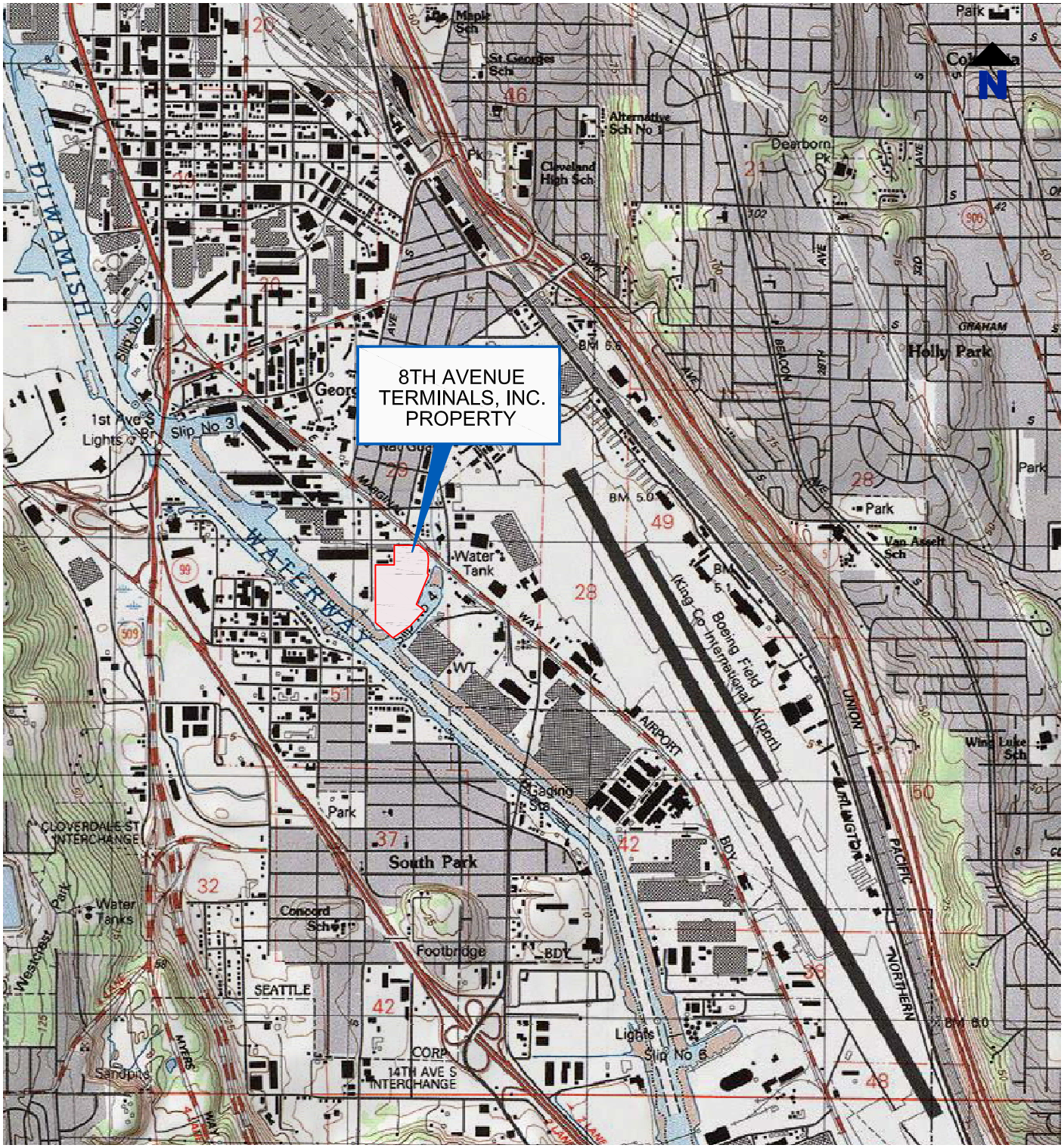
Location	Sample ID	Total Dissolved Solids (mg/L)	Chloride (mg/L)	Salinity (ppt)
EMW-3S	EMW-3S-0713	5,540	3,200	**5.8** [b]
EMW-3S	EMW-3S-092513	11,700	7,210	**13.0** [b]
EMW-3S	EMW-3S-100113	9,580	5,080	**9.2** [b]
EMW-4D	EMW-4D-0713	5,500	3,230	**5.8** [b]
EMW-4D	EMW-4D-092513	4,890	2,690	**4.9** [b]
EMW-4D	EMW-4D-100113	6,300	3,760	**6.8** [b]
EMW-5S	EMW-5S-0713	400	14.1	0.03 [b]
EMW-5S	EMW-5S-092413	347	13.1	0.02 [b]
EMW-5S	EMW-89S-092413(dupl.)	354	12.8	0.02 [b]
EMW-5S	EMW-5S-100213	339	13.2	0.02 [b]
EMW-6S	EMW-6S-0713	207	5.3	0.01 [b]
EMW-6S	EMW-6S-092313	225	6.8	0.01 [b]
EMW-6S	EMW-6S-100213	163	3.4	0.01 [b]
EMW-7S	EMW-7S-0713	254	6.7	0.01 [b]
EMW-7S	EMW-7S-092313	240	6.3	0.01 [b]
EMW-7S	EMW-7S-100213	219	5.9	0.01 [b]
EMW-8S	EMW-8S-0713	326	26.1	0.05 [b]
EMW-8S	EMW-8S-092413	292	8.8	0.02 [b]
EMW-8S	EMW-8S-100313	278	1	0.00 [b]
EMW-9S	EMW-9S-0713	250	10	0.02 [b]
EMW-9S	EMW-9S-092313	244	9.6	0.02 [b]
EMW-9S	EMW-9S-093013	212	9.9	0.02 [b]
EMW-10D	EMW-10D-0713	4,940	2,660	**4.8** [b]
EMW-10D	EMW-56D-0713(dupl.)	10,800	2,680	**4.8** [b]
EMW-10D	EMW-10D-092513	4,760	2,360	**4.3** [b]
EMW-10D	EMW-56D-092513(dupl.)	4,900	2,820	**5.1** [b]
EMW-10D	EMW-10D-100113	4,450	2,370	**4.3** [b]
EMW-10D	EMW-56D-100113(dupl.)	4,100	2,370	**4.3** [b]
EMW-11S	EMW-11S-0713	268	5.4	0.01 [b]
EMW-11S	EMW-11S-092313	250	6.5	0.01 [b]
EMW-11S	EMW-11S-093013	278	8.6	0.02 [b]
EMW-12S	EMW-12S-0713	217	12.5	0.02 [b]
EMW-12S	EMW-12S-092413	208	12	0.02 [b]
EMW-12S	EMW-12S-100313	224	13	0.02 [b]
EMW-13S	EMW-13S-0713	7,980	4,040	**7.3** [b]
EMW-13S	EMW-13S-092513	9,800	5,570	**10.1** [b]
EMW-13S	EMW-13S-100113	10,700	6,100	**11.0** [b]
EMW-14D	EMW-14D-0713	3,590	1,950	**3.5** [b]
EMW-14D	EMW-14D-092513	8,340	4,720	**8.5** [b]
EMW-14D	EMW-14D-093013	8,680	6,240	**11.3** [b]
EMW-15D	EMW-15D-0713	6,090	3,340	**6.0** [b]
EMW-15D	EMW-15D-092513	7,320	3,980	**7.2** [b]
EMW-15D	EMW-15D-100113	7,560	4,220	**7.6** [b]
EMW-16D	EMW-16D-0713	18,200	10,500	**19.0** [b]
EMW-16D	EMW-16D-092413	20,800	12,600	**22.8** [b]
EMW-16D	EMW-16D-100213	19,300	11,700	**21.1** [b]

Table 44
Groundwater Sample Analytical Results - Salinity
8th Avenue Terminals, Inc. Site
Seattle, Washington

Location	Sample ID	Total Dissolved Solids (mg/L)	Chloride (mg/L)	Salinity (ppt)
HC-4	HC-4-092413	322	17.3	0.03 [b]
HC-20	HC-20-0713	196	4.8	0.01 [b]
HC-20	HC-20-092313	200	4.8	0.01 [b]
HC-20	HC-20-100113	198	5.7	0.01 [b]
SLR-1	SLR-1-0713	342	14.4	0.03 [b]
SLR-1	SLR-1-092313	259	11.7	0.02 [b]
SLR-1	SLR-1-100313	316	13.2	0.02 [b]
SLR-2	SLR-2-0713	168	1.1	0.00 [b]
SLR-2	SLR-2-092313	218	2.4	0.00 [b]
SLR-2	SLR-2-100213	180	3.4	0.01 [b]
SLR-3	SLR-3-0713	1,280	40.4	0.1 [b]
SLR-3	SLR-3-092313	1,250	42.2	0.1 [b]
SLR-3	SLR-3-100313	1,320	39	0.1 [b]
SLR-6	SLR-6-0713	266	9	0.02 [b]
SLR-6	SLR-6-092313	224	11.5	0.02 [b]
SLR-6	SLR-6-100113	46	5.5	0.01 [b]
SLR-7	SLR-7-0713	262	7.1	0.01 [b]
SLR-7	SLR-7-092313	268	6.7	0.01 [b]
SLR-7	SLR-7-100113	244	6.1	0.01 [b]

Notes:

Detected salinity values in bold and highlighted in blue exceed the brackish water threshold (0.5 ppt).
mg/L = milligrams per liter.
ppt = parts per thousand.
NA = Not analyzed
U = The laboratory report noted that the analyte was not detected at or above the reported result.
[a] Field measurement
[b] Salinity (ppt) = 0.00181 x chloride concentration (mg/L)



SITE BOUNDARY

SCALE: 1" = 2000'
WHEN PLOTTED AT 8.5 x 11 PAGE SIZE

0 2000 4000' 6000'

8TH AVENUE TERMINALS, INC. SITE
7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON

Drawing: 8TH AVENUE TERMINALS, INC. PROPERTY LOCATION MAP

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Date: January 2, 2014	Scale: AS SHOWN	Fig. No. 1
File Name: 02-01	Project No.: 001.0205.00030	

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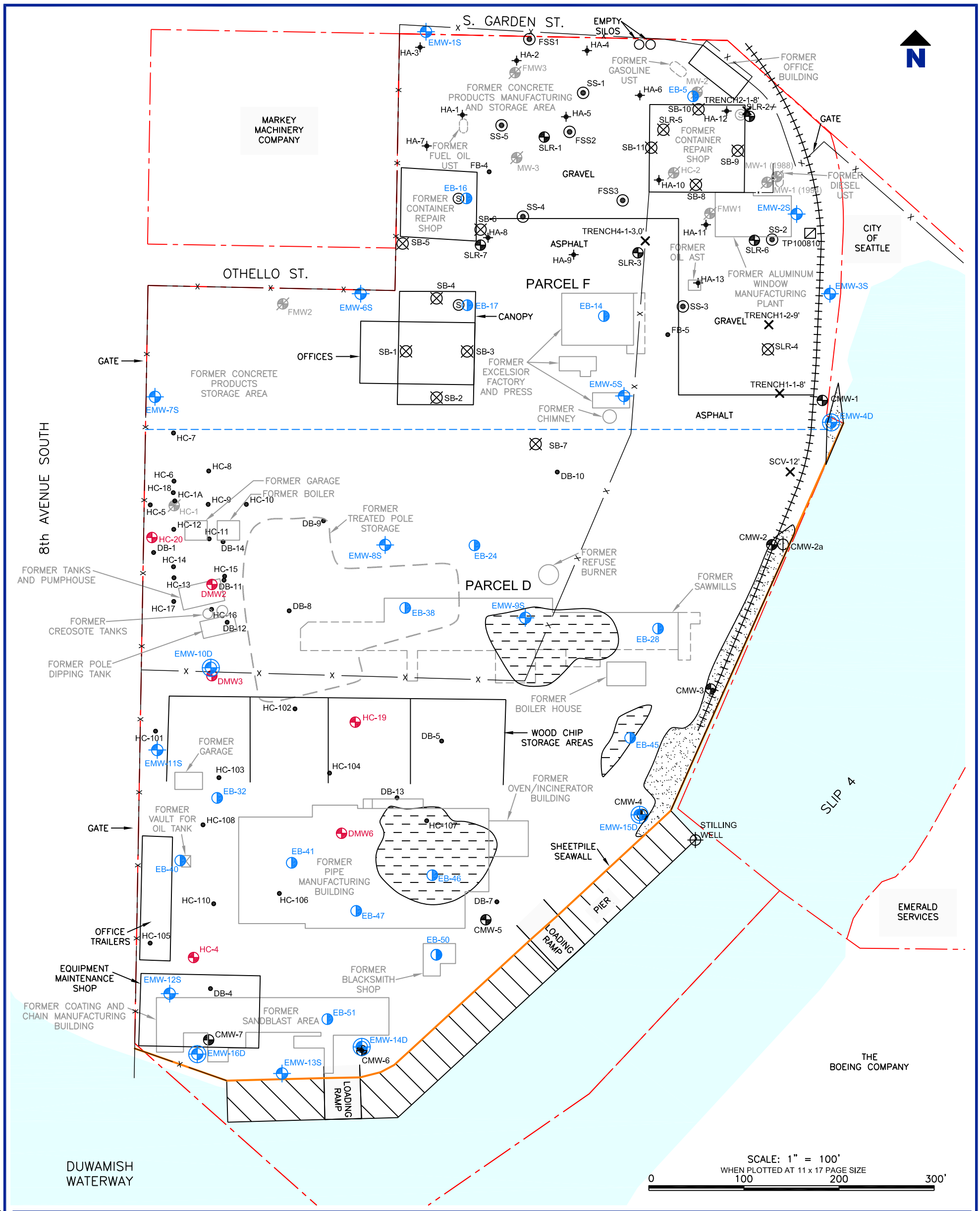

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SOIL BORING LOCATION
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- 2012 TRENCH SAMPLE LOCATION
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)
- INACTIVE WASH WATER SUMP
- FORMER WASH WATER SUMP

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Drawing
SOIL BORING AND GROUNDWATER MONITORING WELL LOCATIONS

Date September 26, 2013	Scale AS SHOWN	Fig. No. 2
File Name 02-02	Project No. 101.00205.00030	

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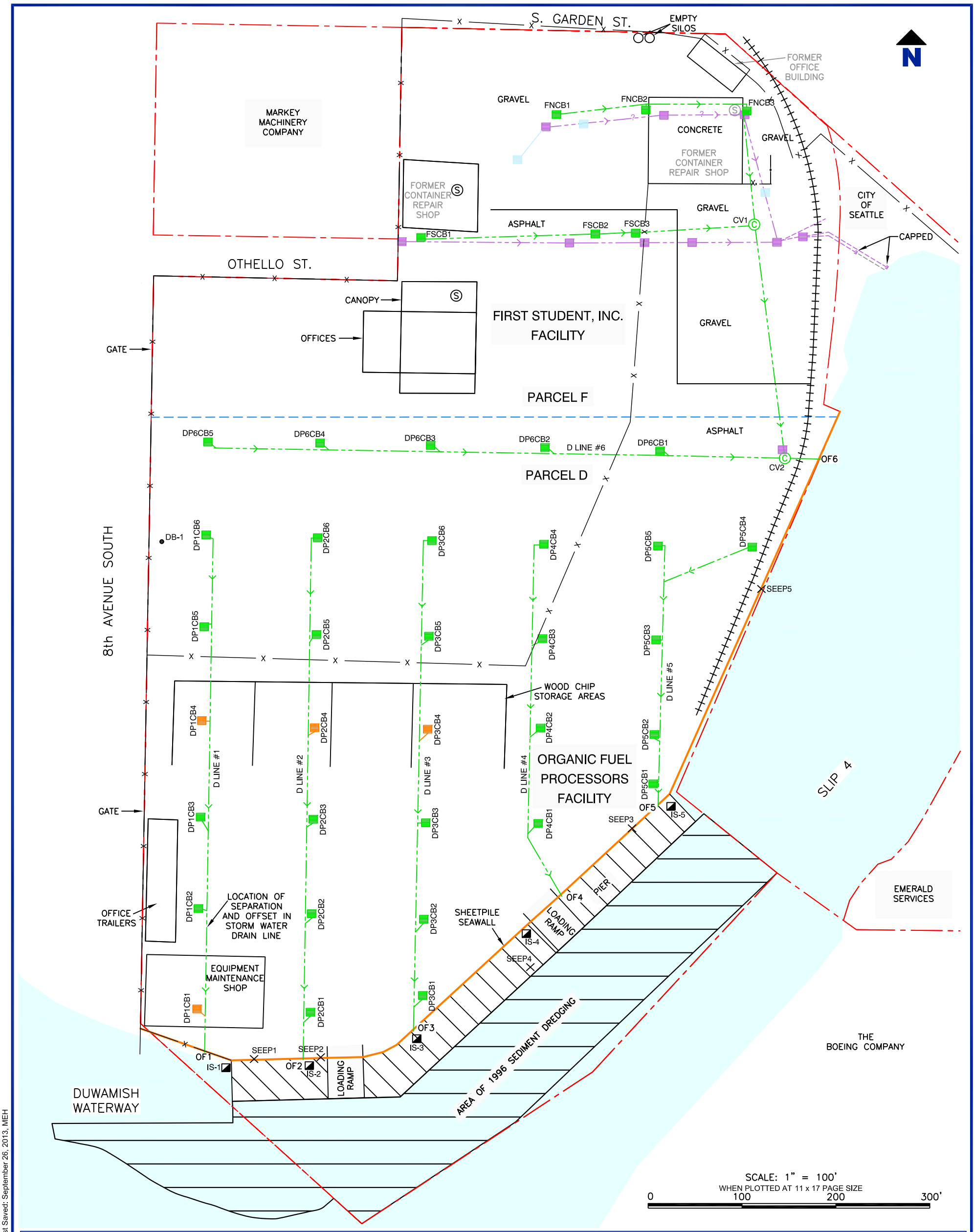

NOTES

1) CATCH BASINS AND CONVEYANCE LINES THAT ARE SHADED BLUE ARE REMOVED COMPONENTS OF THE PREVIOUS DRAINAGE SYSTEM THAT ARE SHOWN ON A LAYRITE CONCRETE PRODUCTS DRAWING TITLED "PLANT LAYOUT", DATED JUNE 1946, OR ON AN UNNAMED PRELIMINARY DRAWING DATED APPROXIMATELY 1990 THAT WAS IN CROWLEY MARITIME CORPORATION'S FILES.

2) CATCH BASINS AND CONVEYANCE LINES THAT ARE SHADED PURPLE ARE ABANDONED OR REMOVED COMPONENTS OF THE PREVIOUS DRAINAGE SYSTEM.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- EXISTING STORM WATER CONVEYANCE LINE
- SEEP LOCATION
- INTERTIDAL SEDIMENT SAMPLE LOCATION
- DP2CB1 — EXISTING STORM WATER CATCH BASIN LOCATION AND DESIGNATION
- DP1CB1 — CURRENTLY CLOSED STORM WATER CATCH BASIN LOCATION AND DESIGNATION
- (S) — INACTIVE WASH WATER SUMP
- (S) — FORMER WASH WATER SUMP
- (C) — CONVEYANCE VAULT
- OF5 — OUTFALL LOCATION AND DESIGNATION

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Drawing: CURRENT STORM WATER DRAINAGE SYSTEM

Date: September 26, 2013	Scale: AS SHOWN	Fig. No. 3
File Name: 01-03	Project No. 101.00205.00030	

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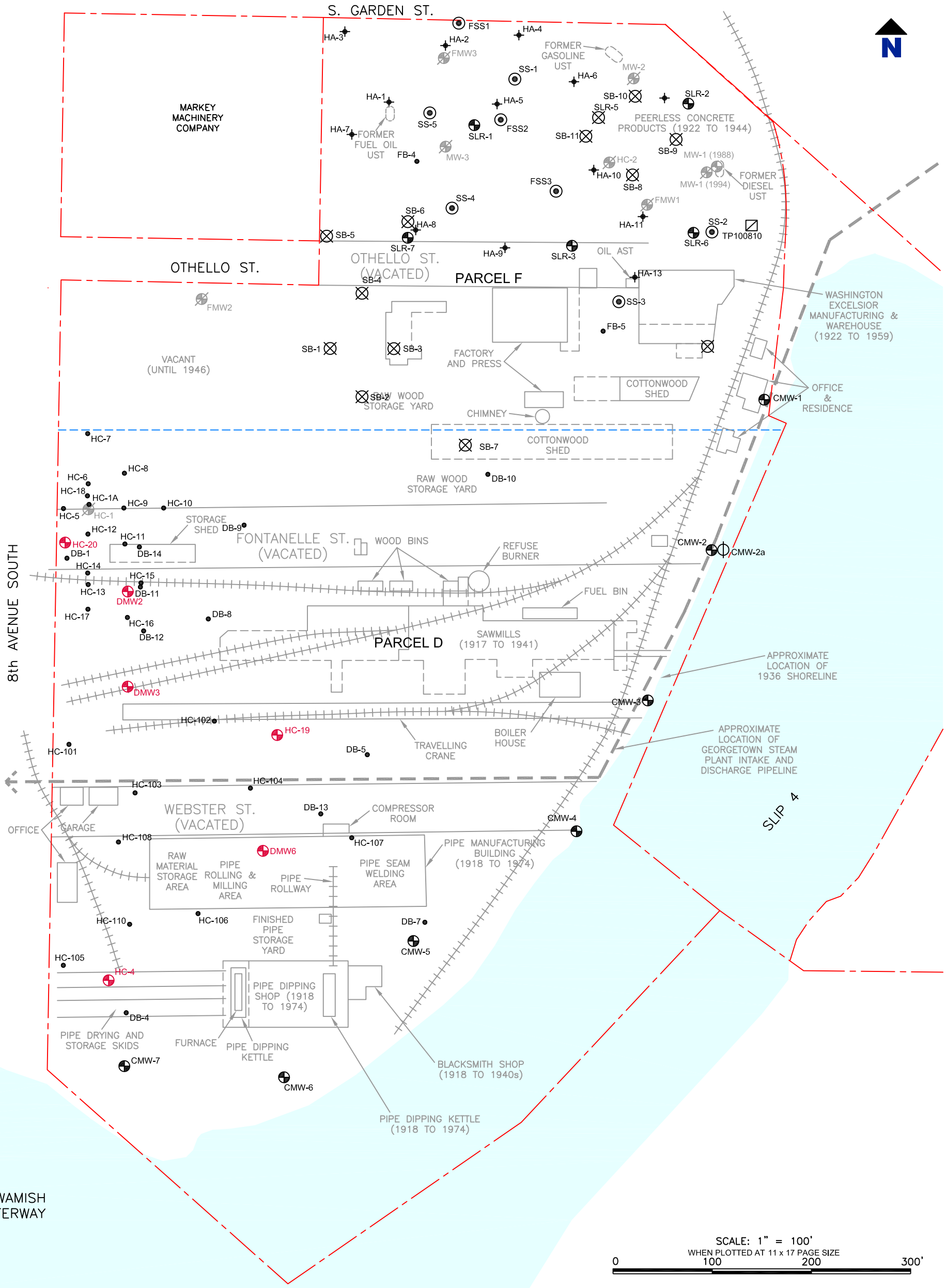

NOTES

1. DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2. LOCATIONS OF HISTORIC OPERATIONS FROM HART CROWSER (1991), AND AERIAL PHOTOGRAPHS.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAILROAD LINE
- 2008 OR 2011 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 OR 2011 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)

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Drawing: HISTORIC PROPERTY OPERATIONS - 1918 TO 1949

Date	January 2, 2014	Scale	AS SHOWN
File Name	03-04	Project No.	101.00205.00030

Fig. No. 4

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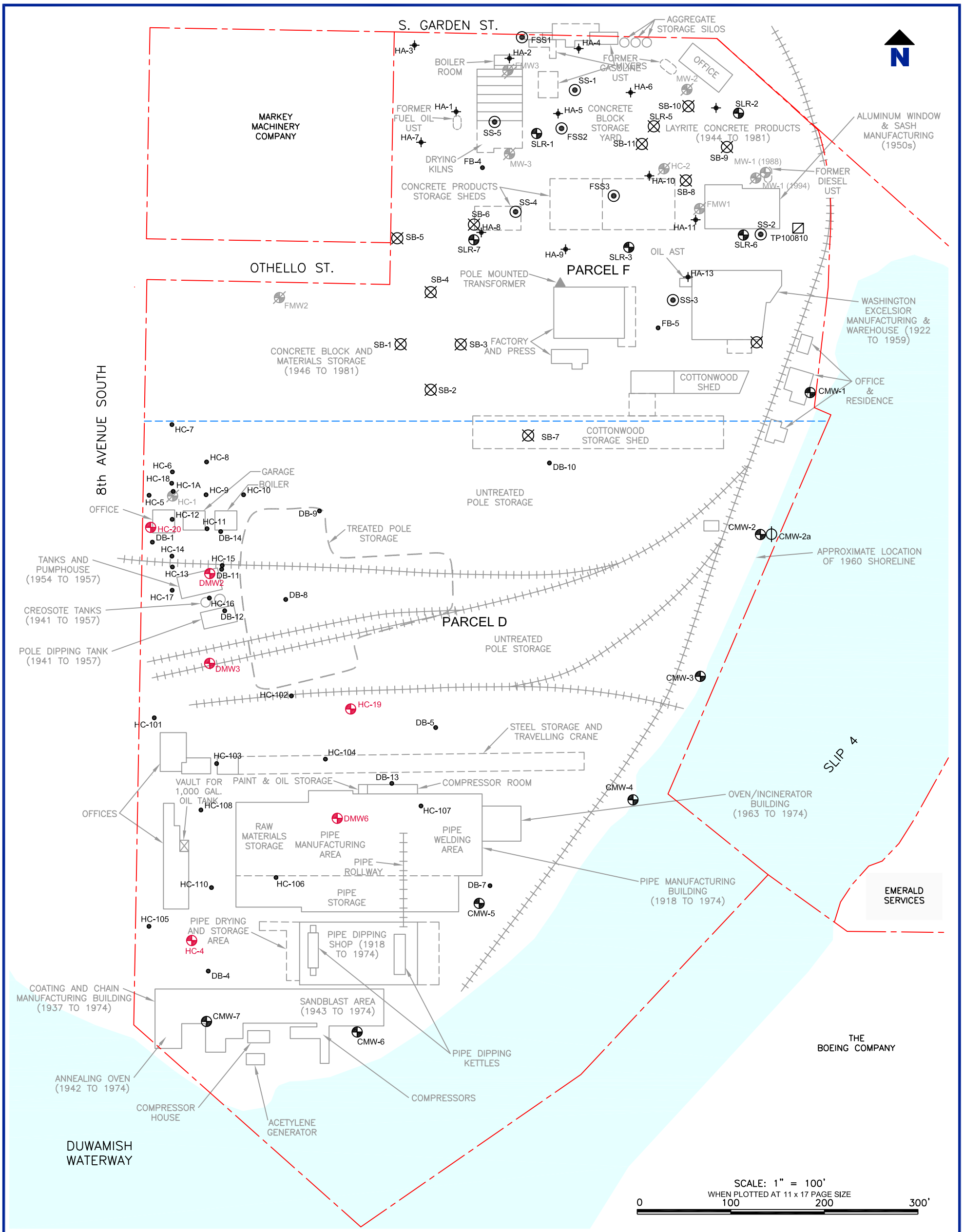

NOTES

1. DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2. LOCATIONS OF HISTORIC OPERATIONS FROM HART CROWSER (1991), SEACOR (1994), AND AERIAL PHOTOGRAPHS.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAILROAD LINE
- 2008 or 2011 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 or 2011 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)

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Drawing: HISTORIC PROPERTY OPERATIONS - 1950 TO 1974

Date: January 2, 2014	Scale: AS SHOWN	Fig. No. 5
File Name: 01-05	Project No. 101.00205.00030	

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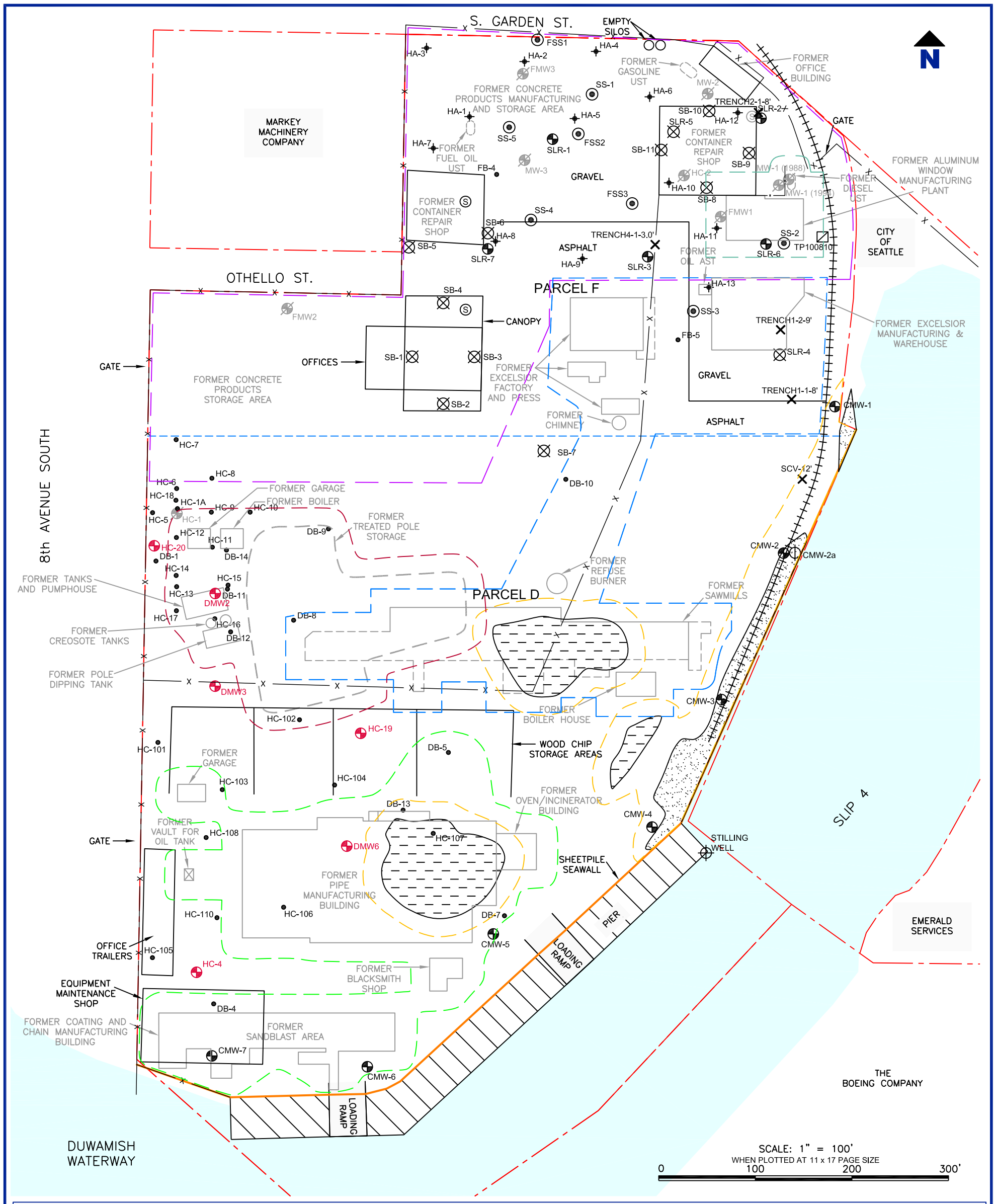

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER WOOD TREATING OPERATIONS
- POTENTIAL SOURCE AREA ASSOCIATED WITH DREDGE FILL
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER SAWMILL AND EXCELSIOR FACTORY AND PRESS OPERATIONS
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER ALUMINUM WINDOW MANUFACTURING PLANT
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER PIPE AND CHAIN MANUFACTURING OPERATIONS
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER CONCRETE PRODUCTS MANUFACTURING AND STORAGE OPERATIONS
- 2012 TRENCH SAMPLE LOCATION
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)
- INACTIVE WASH WATER SUMP
- FORMER WASH WATER SUMP

8TH AVENUE TERMINALS, INC. SITE
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Drawing: LOCATIONS OF POTENTIAL CONTAMINANT SOURCE AREAS

Date	Scale	Fig. No.
January 9, 2014	AS SHOWN	6
File Name: 02-06	Project No.: 101.00205.00030	

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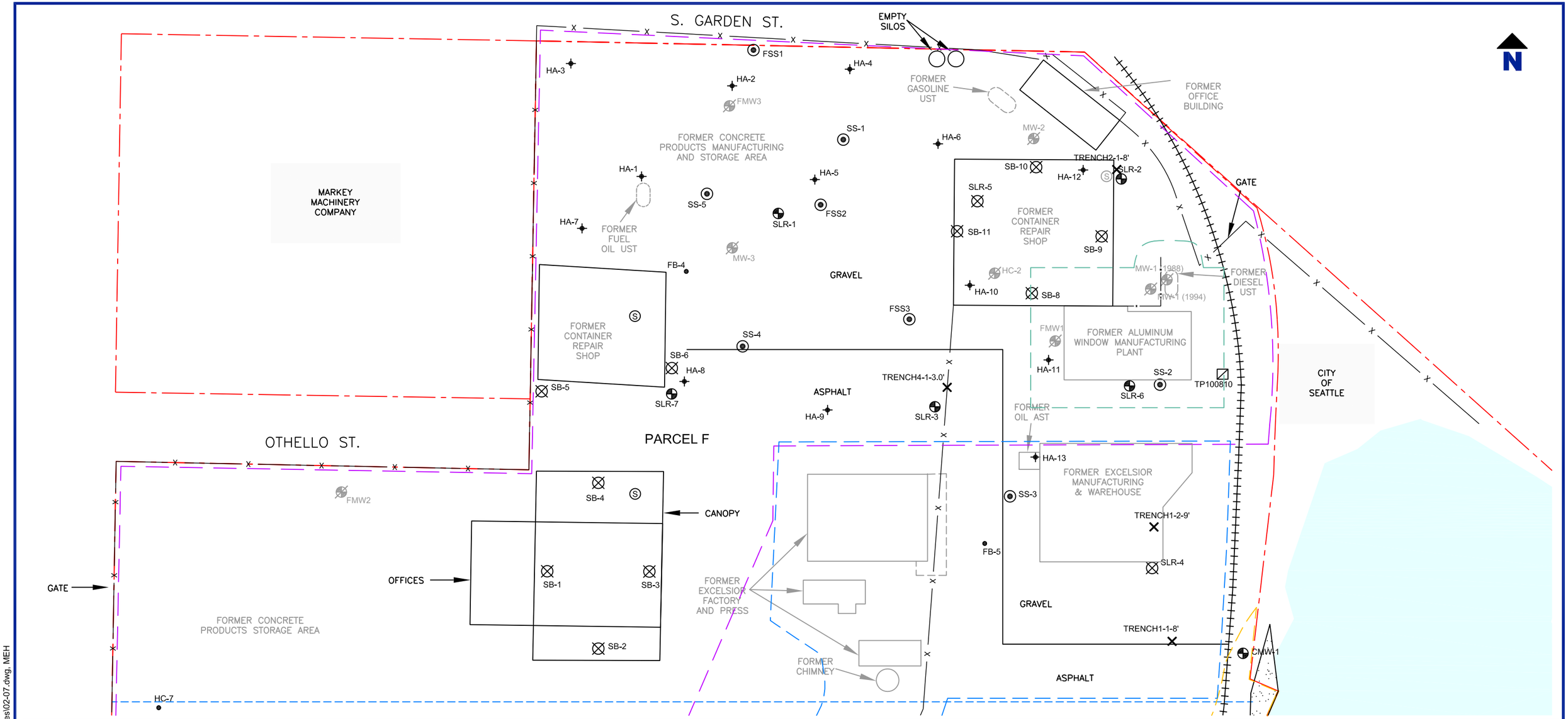

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) POTENTIAL IMPACTED SOIL AREAS ONLY PERTAIN TO THE VADOSE ZONE ON THE 8TH AVENUE TERMINALS, INC. PROPERTY.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2012 TRENCH SAMPLE LOCATION
- INACTIVE WASH WATER SUMP
- FORMER WASH WATER SUMP
- 2008 OR 2011 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2009 OR 2011 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER CONCRETE PRODUCTS MANUFACTURING AND STORAGE OPERATIONS.
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER ALUMINUM WINDOW MANUFACTURING PLANT
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER SAWMILL AND EXCELSIOR FACTORY AND PRESS OPERATIONS
- POTENTIAL SOURCE AREA ASSOCIATED WITH DREDGE FILL

SCALE: 1" = 60'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
0 60 120 180'

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Drawing: LOCATIONS OF POTENTIAL CONTAMINANT SOURCE AREAS - PARCEL F

Date	January 9, 2014	Scale	AS SHOWN
File Name	02-07	Project No.	101.00205.00030

Fig. No. 7

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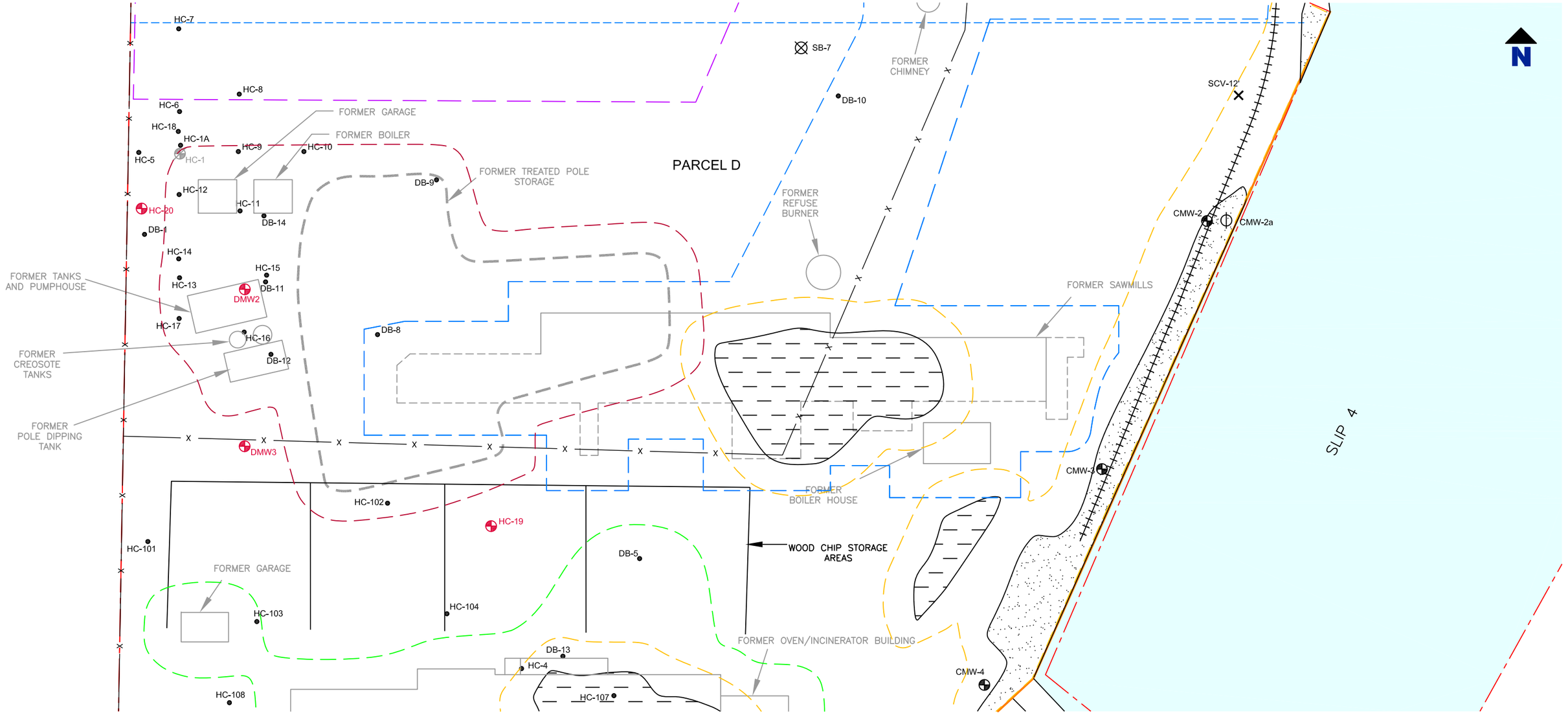

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) POTENTIAL IMPACTED SOIL AREAS ONLY PERTAIN TO THE VADOSE ZONE ON THE 8TH AVENUE TERMINAL, INC, PROPERTY.

LEGEND

- PROPERTY BOUNDARIES
- PARCEL D/PARCEL F BOUNDARY
- RAIL LINE
- FENCE
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2012 TRENCH SAMPLE LOCATION
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER WOOD TREATING OPERATIONS
- POTENTIAL SOURCE AREA ASSOCIATED WITH DREDGE FILL
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER SAWMILL AND EXCELSIOR FACTORY AND PRESS OPERATIONS
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER PIPE AND CHAIN MANUFACTURING OPERATIONS
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER CONCTETE PRODUCTS MANUFACTURING AND STORAGE OPERATIONS

SCALE: 1" = 60'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
0 60 120 180'

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SEATTLE, WASHINGTON

Drawing: LOCATIONS OF POTENTIAL CONTAMINANT SOURCE AREAS - NORTHERN PART OF PARCEL D

Date	January 9, 2014	Scale	AS SHOWN
File Name	03-08	Project No.	101.0205.00030

Fig. No. 8

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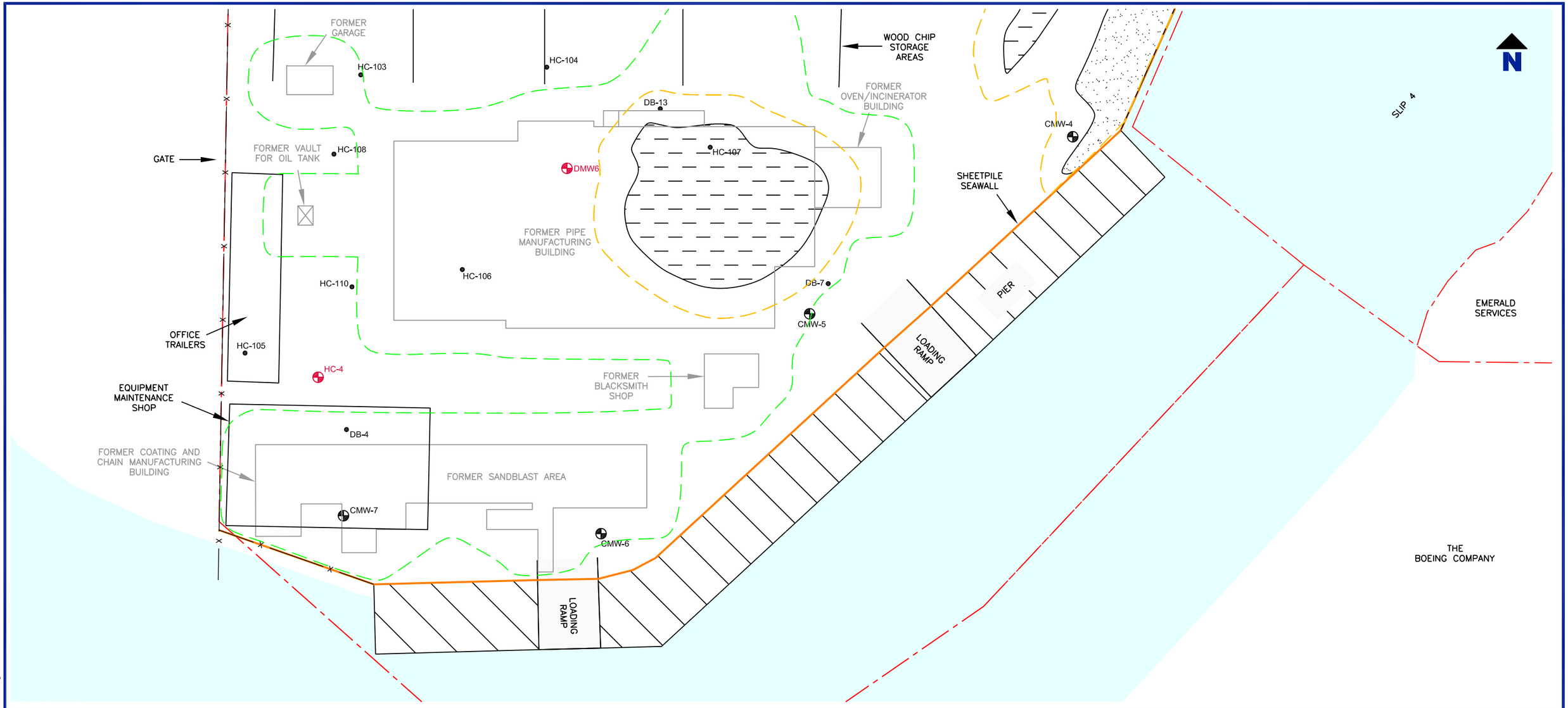

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) POTENTIAL IMPACTED SOIL AREAS ONLY PERTAIN TO THE VADOSE ZONE ON THE 8TH AVENUE TERMINALS, INC. PROPERTY.

LEGEND

- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- POTENTIAL SOURCE AREA ASSOCIATED WITH DREDGE FILL
- POTENTIAL SOURCE AREA ASSOCIATED WITH FORMER PIPE AND CHAIN MANUFACTURING OPERATIONS

SCALE: 1" = 60'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
0 60 120 180'

8TH AVENUE TERMINALS, INC. SITE
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SEATTLE, WASHINGTON

Drawing: LOCATIONS OF POTENTIAL CONTAMINANT SOURCE AREAS - SOUTHERN PART OF PARCEL D

Date: January 9, 2014
File Name: 02-09
Scale: AS SHOWN
Project No.: 101.00205.00030
Fig. No.: 9

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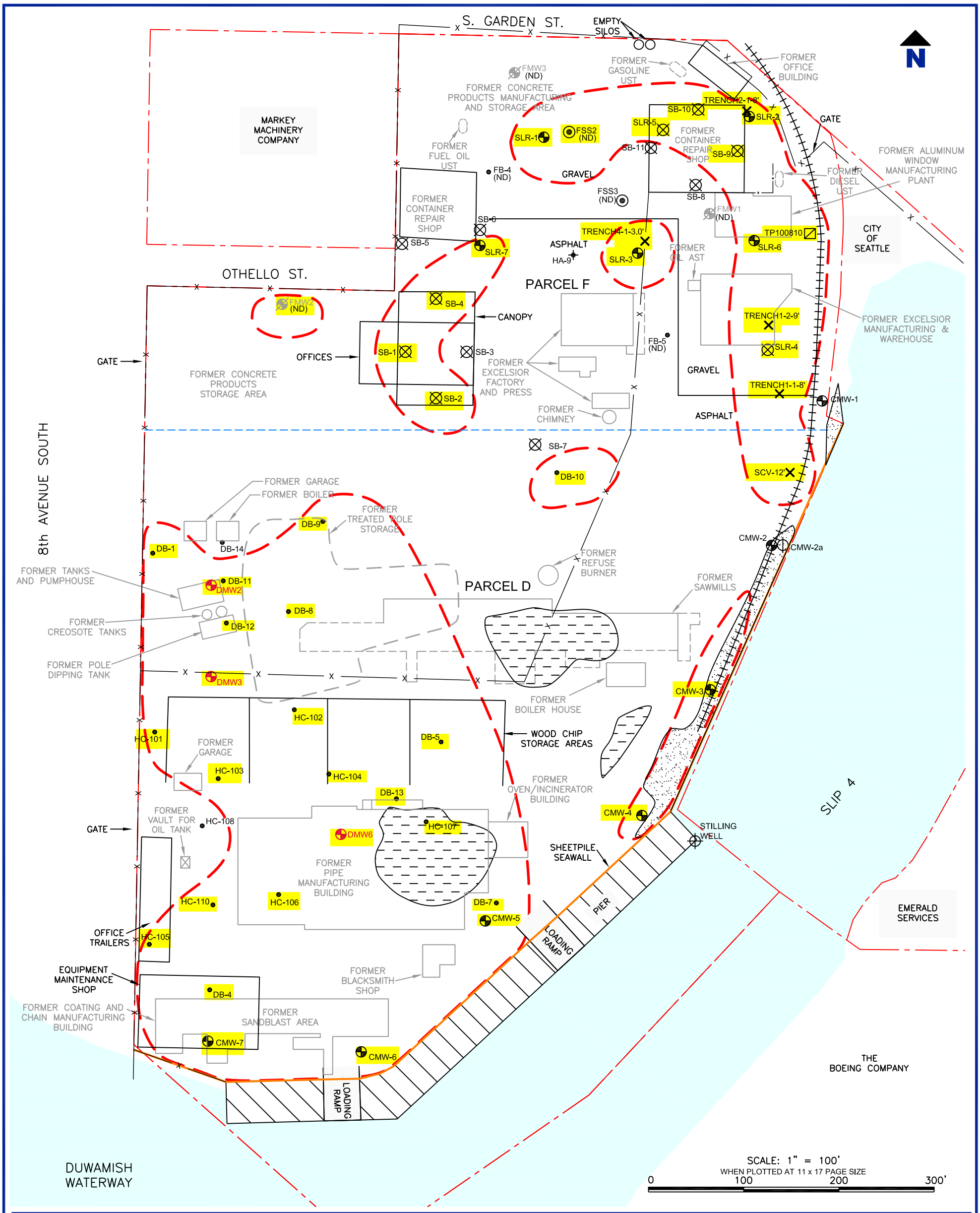

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) HIGHLIGHTED SAMPLE LOCATIONS CONTAINED PAH CONCENTRATIONS GREATER THAN PRELIMINARY SOIL SCREENING LEVELS.
3) ND=THE METHOD REPORTING LIMIT OF AT LEAST ONE PAH COMPOUND IN THIS SAMPLE IS NOT KNOWN.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF PAH CONCENTRATIONS GREATER THAN PRELIMINARY SOIL SCREENING LEVELS
- 2012 TRENCH SAMPLE LOCATION
- 2008 OR 2011 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 OR 2011 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)

8TH AVENUE TERMINALS, INC. SITE
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Drawing: ESTIMATED AREAS OF PAH CONCENTRATIONS IN SOIL GREATER THAN PRELIMINARY SCREENING LEVELS

Date	January 10, 2014	Scale	AS SHOWN	Fig. No.	10
File Name	02-10	Project No.	101.00205.00030		

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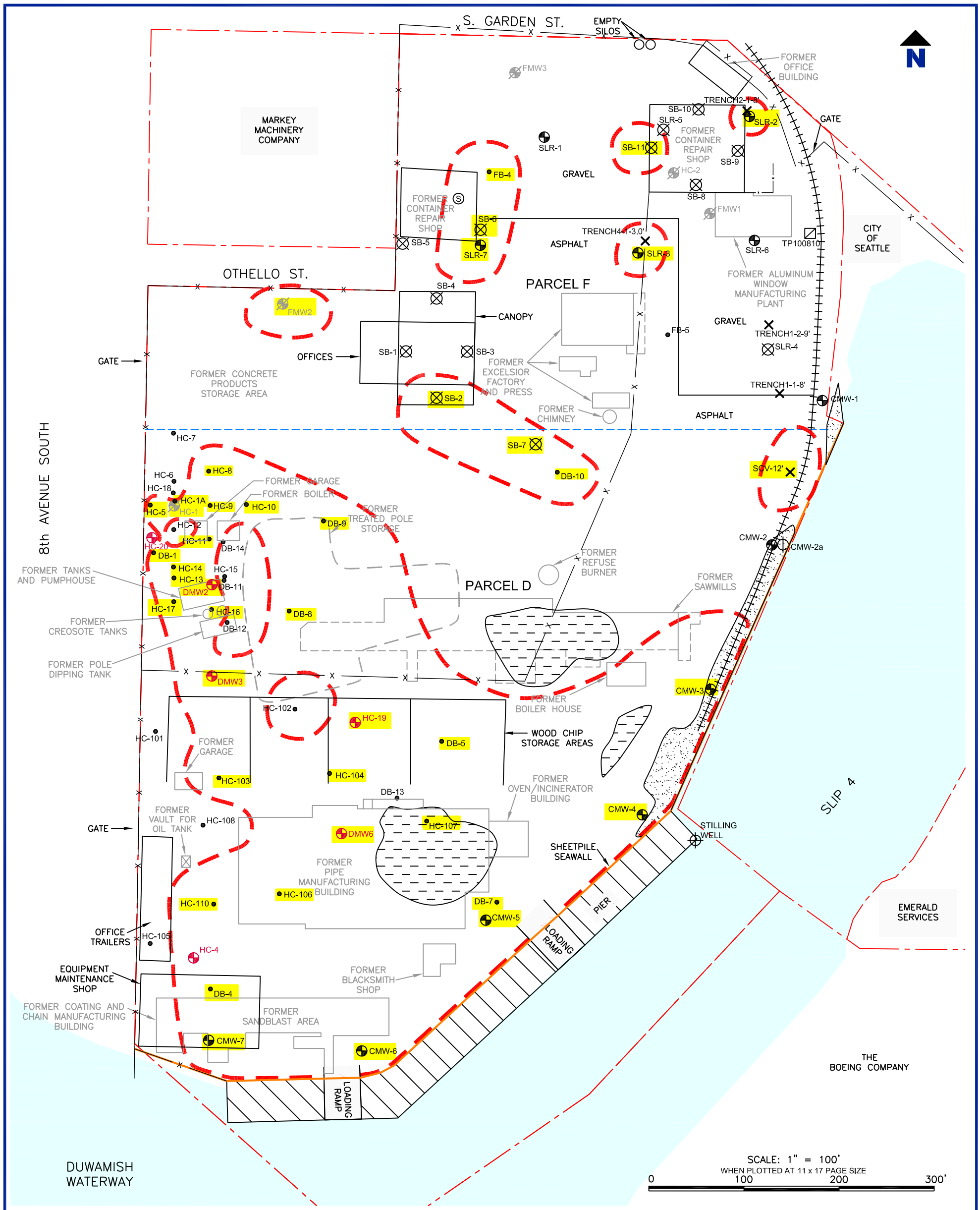

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) HIGHLIGHTED SAMPLE LOCATIONS CONTAINED PAH CONCENTRATIONS GREATER THAN PRELIMINARY SOIL SCREENING LEVELS.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF ARSENIC CONCENTRATIONS GREATER THAN PRELIMINARY SOIL SCREENING LEVEL
- 2012 TRENCH SAMPLE LOCATION
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)

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Drawing: ESTIMATED AREAS OF ARSENIC CONCENTRATIONS IN SOIL GREATER THAN PRELIMINARY SCREENING LEVELS

Date	January 10, 2014	Scale	AS SHOWN
File Name	02-11	Project No.	101.00205.00030

Fig. No. 11

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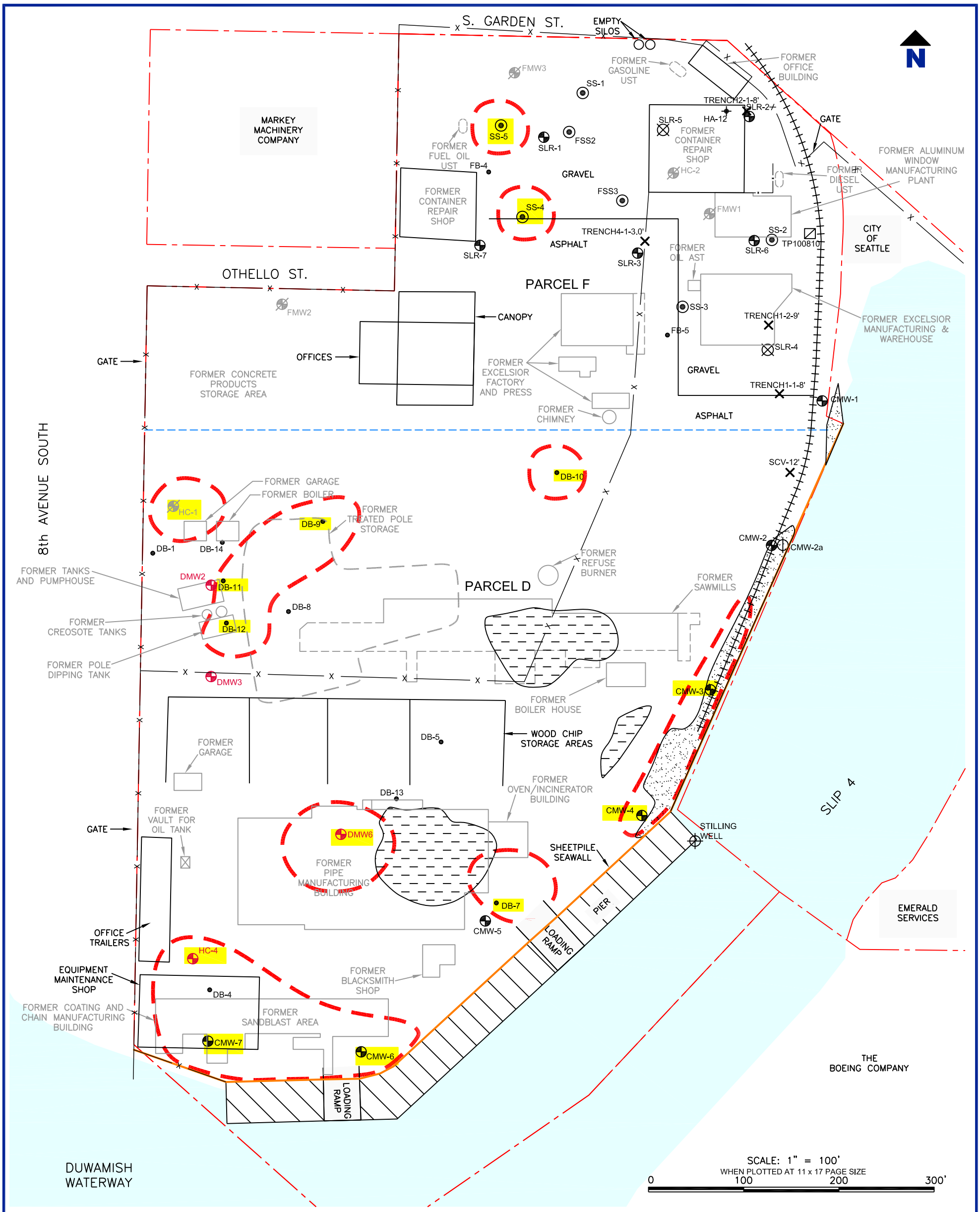


NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) HIGHLIGHTED SAMPLE LOCATIONS CONTAINED PCB CONCENTRATIONS GREATER THAN PRELIMINARY SOIL SCREENING LEVELS.
3) ND=THE METHOD REPORTING LIMIT OF AT LEAST ONE PCB COMPOUND IN THE SAMPLE IS NOT KNOWN.
4) PCBs WERE NOT DETECTED IN ANY OF THE PREVIOUS GROUNDWATER SAMPLES FROM THE PROPERTY.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF PCB CONCENTRATIONS GREATER THAN PRELIMINARY SOIL SCREENING LEVELS
- 2012 TRENCH SAMPLE LOCATION
- 2010 TEST PIT (APPROXIMATE LOCATION)
- 2008 OR 2011 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 OR 2011 SOIL BORING (APPROXIMATE LOCATION)

8TH AVENUE TERMINALS, INC. SITE
7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON

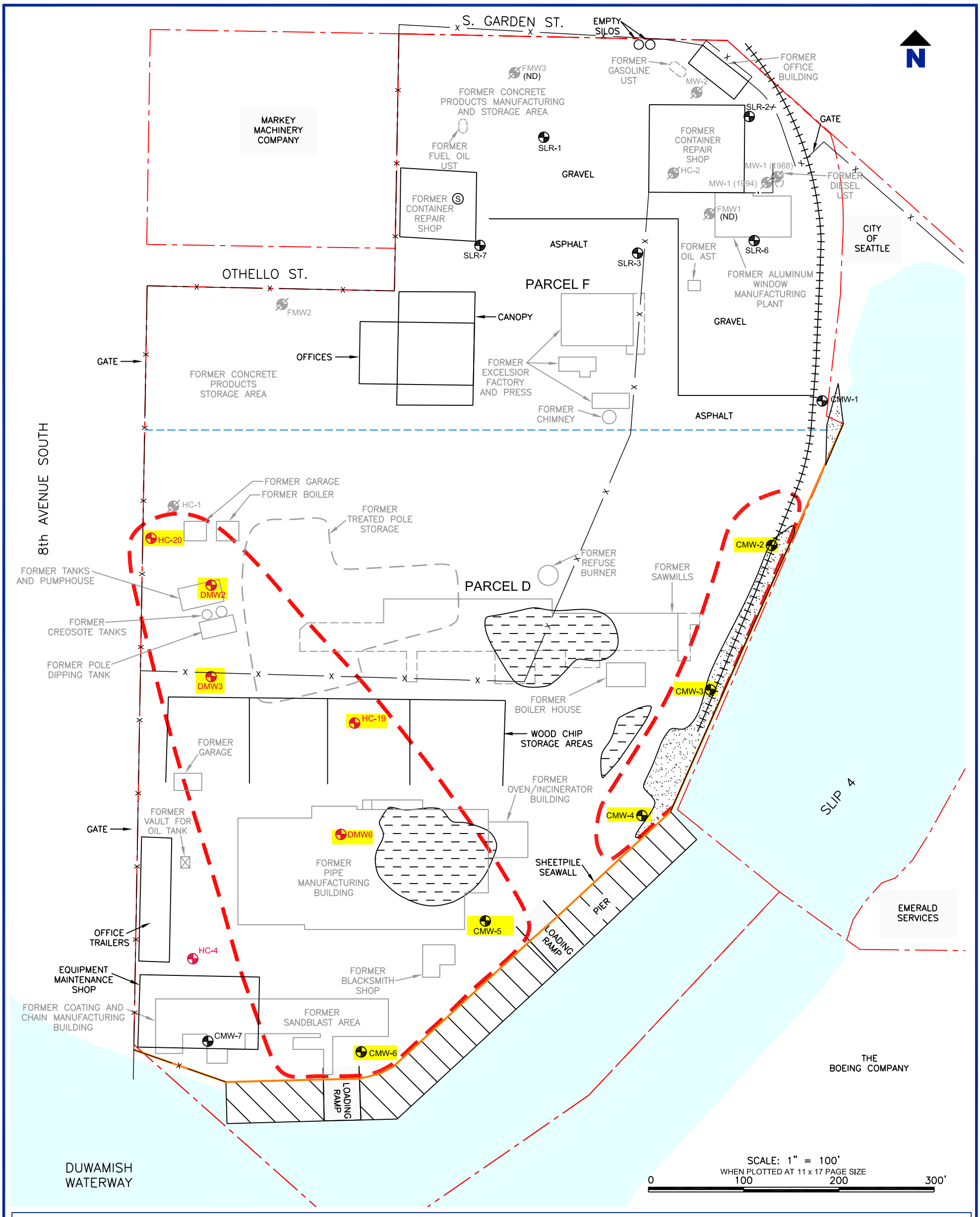
Drawing: ESTIMATED AREAS OF PCB CONCENTRATIONS IN SOIL GREATER THAN PRELIMINARY SCREENING LEVELS

Date	January 10, 2014	Scale	AS SHOWN
File Name	02-12	Project No.	101.00205.00030

Fig. No. 12

SLR
22118 20th AVE SE
BLDG. G, SUITE 202
BOTHELL, WA 98021
T: 425-402-8800
F: 425-402-8488

N:\Bothell\1 PROJECTS\Crowley - 205\00030 First Phase of RI\Figures\02-12.dwg, MEH



NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) AT LEAST ONE GROUNDWATER SAMPLE FROM THE HIGHLIGHTED SAMPLE LOCATIONS CONTAINED PAH CONCENTRATIONS GREATER THAN THE PRELIMINARY SCREENING LEVELS.
3) ND=THE METHOD REPORTING LIMITS FOR ALL THE SAMPLES FROM THIS LOCATIONS ARE NOT KNOWN.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF PAH CONCENTRATIONS GREATER THAN PRELIMINARY GROUNDWATER SCREENING LEVELS
- 2008 OR 2011 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL

8TH AVENUE TERMINALS, INC. SITE
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SEATTLE, WASHINGTON

Drawing: ESTIMATED AREAS OF PAH CONCENTRATIONS IN GROUNDWATER GREATER THAN PRELIMINARY SCREENING LEVELS

Date: January 20, 2014	Scale: AS SHOWN	Fig. No. 13
File Name: 02-13	Project No. 101.00205.00030	

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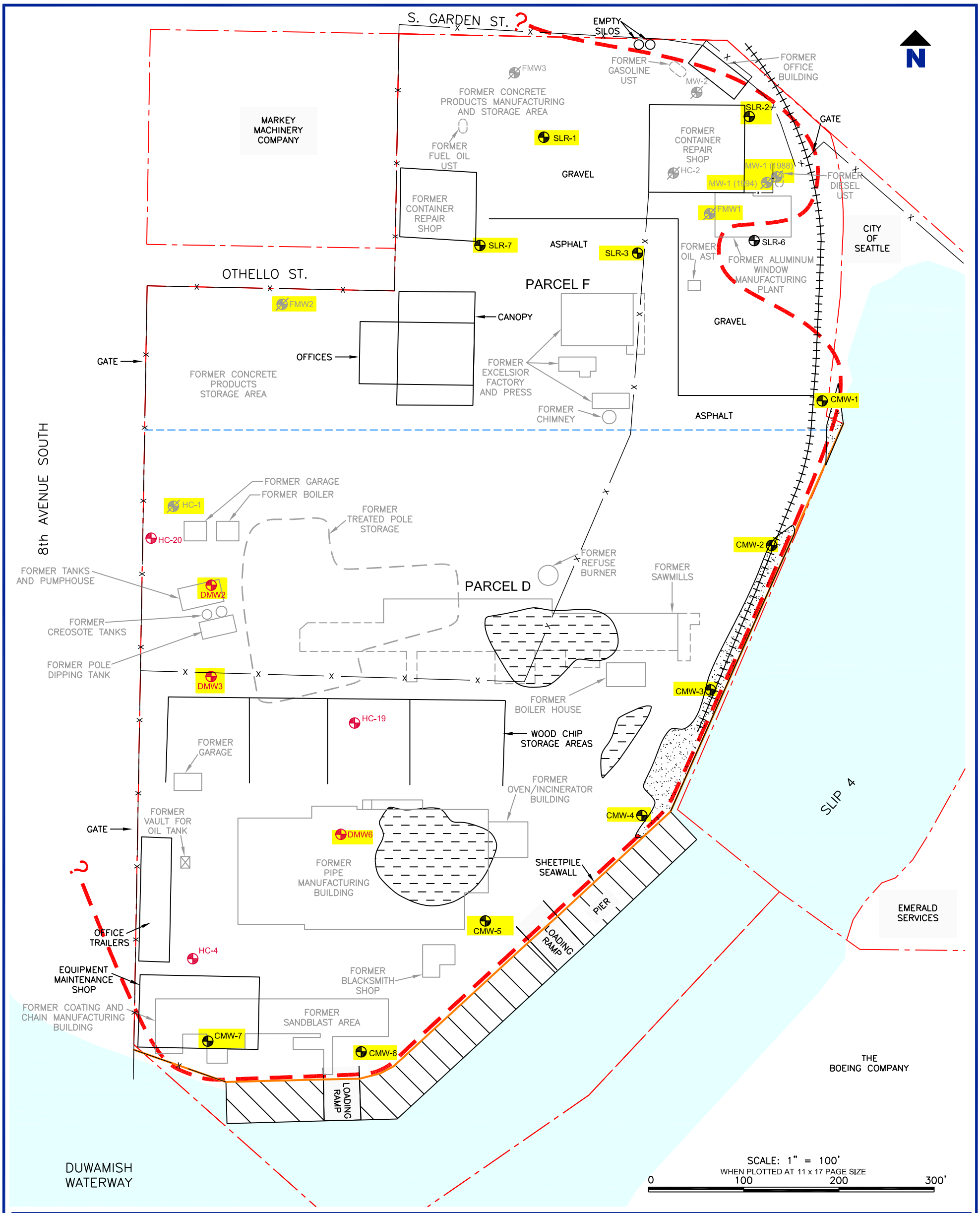

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) AT LEAST ONE GROUNDWATER SAMPLE FROM THE HIGHLIGHTED SAMPLE LOCATIONS CONTAINED ARSENIC CONCENTRATIONS THAT EXCEEDED THE PRELIMINARY SCREENING LEVELS.
3) *=GROUNDWATER SAMPLES DID NOT CONTAIN DETECTABLE ARSENIC; HOWEVER, THE METHOD REPORTING LIMIT EXCEEDED THE PRELIMINARY SCREENING LEVEL.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF PAH CONCENTRATIONS GREATER THAN PRELIMINARY GROUNDWATER SCREENING LEVEL
- 2008 OR 2011 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL

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SEATTLE, WASHINGTON

Drawing: ESTIMATED AREAS OF ARSENIC CONCENTRATIONS IN GROUNDWATER GREATER THAN PRELIMINARY SCREENING LEVEL

Date	January 21, 2014	Scale	AS SHOWN
File Name	02-14	Project No.	101.00205.00030

Fig. No. 14

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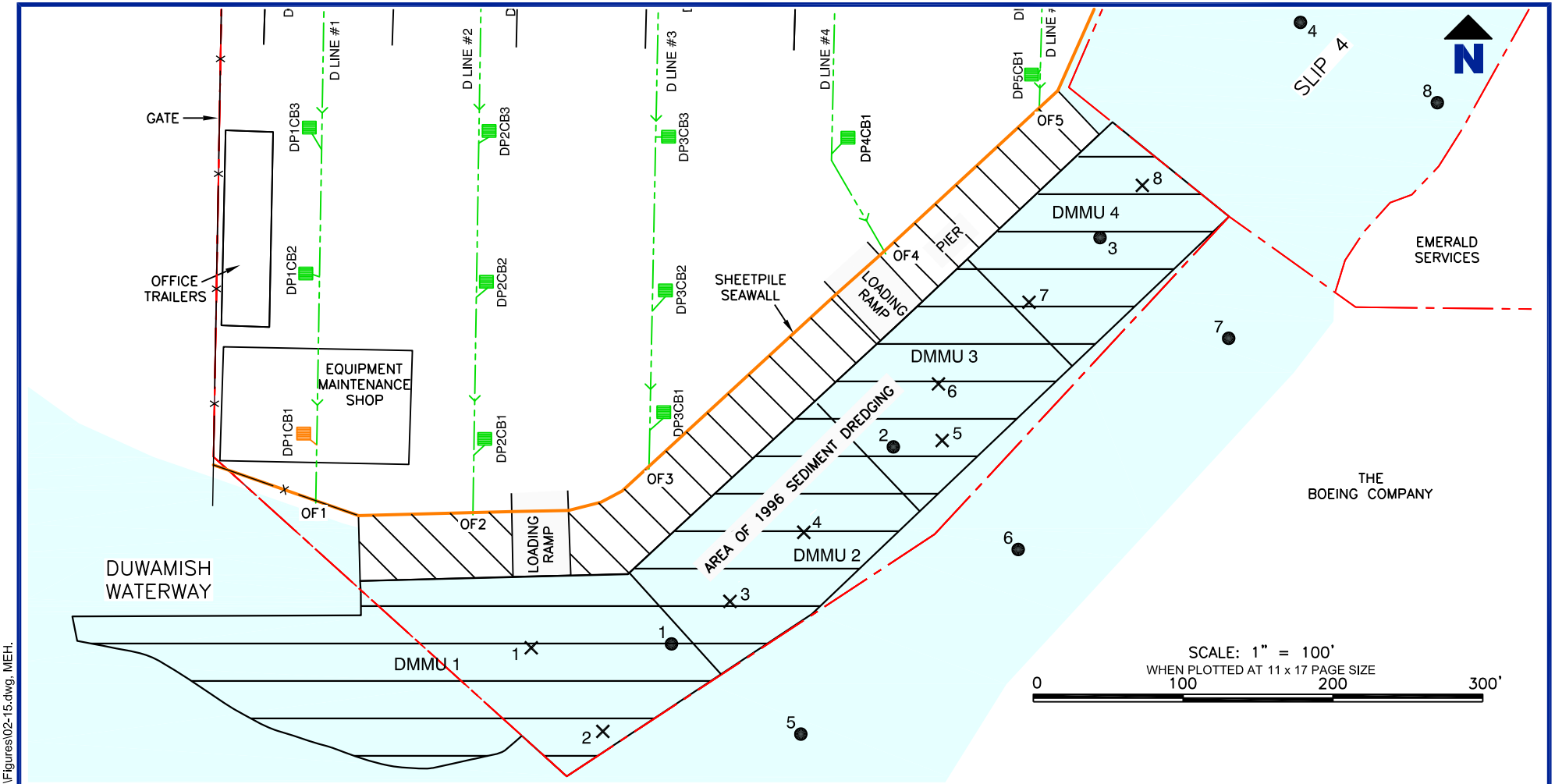

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG.

2) LOCATIONS OF STRUCTURES ARE APPROXIMATE.

LEGEND

- PROPERTY BOUNDARIES
- FENCE
- EXISTING STORM WATER CONVEYANCE
- 1 ● 1994 SURFACE SEDIMENT SAMPLE LOCATION
- 3 ✕ 1995 SEDIMENT CORE LOCATION
- DP2CB1 EXISTING STORM WATER CATCH BASIN LOCATION AND DESIGNATION
- OF5 OUTFALL LOCATION AND DESIGNATION

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SEATTLE, WASHINGTON

Drawing: LOCATIONS OF 1994 AND 1995 SEDIMENT SAMPLES

Date: January 21, 2014	Scale: AS SHOWN	Fig. No. 15
File Name: 02-15	Project No. 101.00205.00030	

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BOTHELL, WA 98201
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F: 425-402-8488

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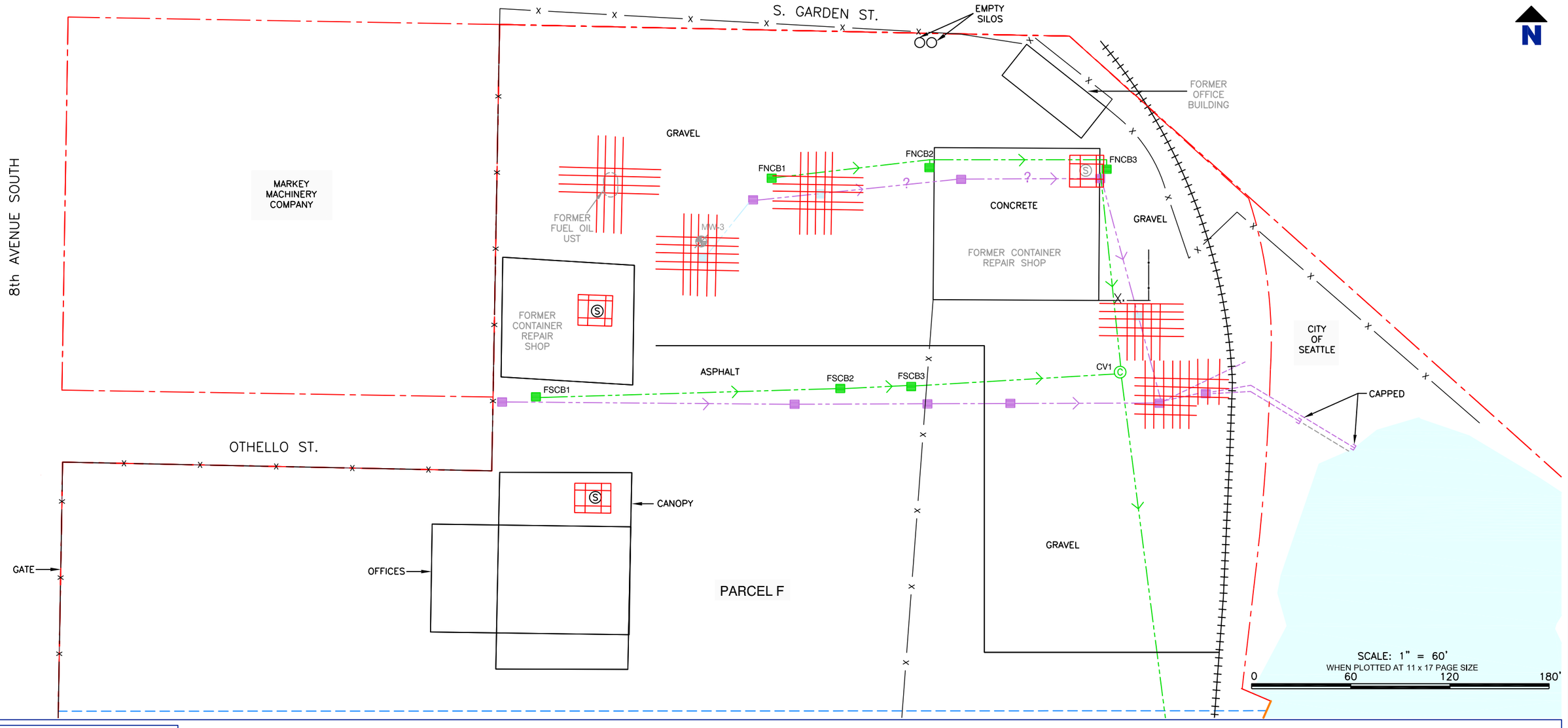

NOTES

1) CATCH BASINS AND CONVEYANCE LINES THAT ARE SHADED BLUE ARE REMOVED COMPONENTS OF THE PREVIOUS DRAINAGE SYSTEM THAT ARE SHOWN ON A LAYRITE CONCRETE PRODUCTS DRAWING TITLED "PLANT LAYOUT", DATED JUNE 1946, OR ON AN UNNAMED PRELIMINARY DRAWING DATED APPROXIMATELY 1990 THAT WAS IN CROWLEY MARITIME CORPORATION'S FILES.

2) CATCH BASINS AND CONVEYANCE LINES THAT ARE SHADED PURPLE ARE ABANDONED OR REMOVED COMPONENTS OF THE PREVIOUS DRAINAGE SYSTEM.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- EXISTING STORM WATER CONVEYANCE LINE
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- GEOPHYSICAL SURVEY TRANSECT LOCATION
- DP2CB1 — EXISTING STORM WATER CATCH BASIN LOCATION AND DESIGNATION
- DP1CB1 — CURRENTLY CLOSED STORM WATER CATCH BASIN LOCATION AND DESIGNATION
- (S) SUMP
- (S) ABANDONED SUMP
- (C) CONVEYANCE VAULT

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SEATTLE, WASHINGTON

Drawing: APPROXIMATE LOCATIONS OF GEOPHYSICAL SURVEY TRANSECTS

Date: October 29, 2013	Scale: AS SHOWN	Fig. No. 16
File Name: 01-16	Project No.: 101.00205.00030	

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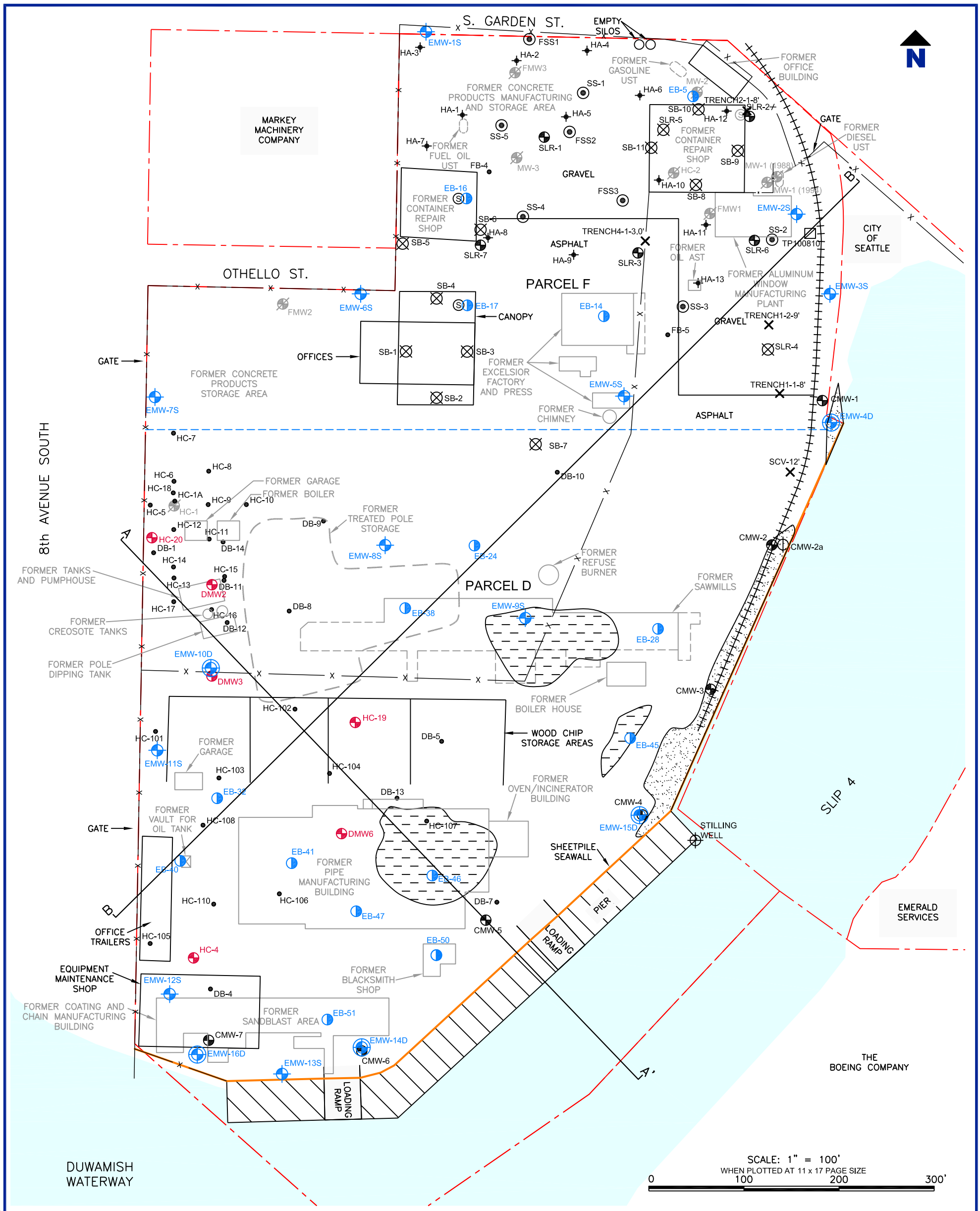
N:\Bothell\1 PROJECTS\Crowley - 205\00030 First Phase of RI\Figures\01-16.dwg, Last Saved: October 29, 2013, MEH



NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SOIL BORING LOCATION
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- 2012 TRENCH SAMPLE LOCATION
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)
- INACTIVE WASH WATER SUMP
- FORMER WASH WATER SUMP

A — A' LINE OF CROSS SECTION

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7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON

Drawing: LOCATIONS OF GEOLOGIC CROSS SECTIONS

Date	January 22, 2014	Scale	AS SHOWN
File Name	02-17	Project No.	101.00205.00030

Fig. No. 17

SLR
22118 20th AVE SE
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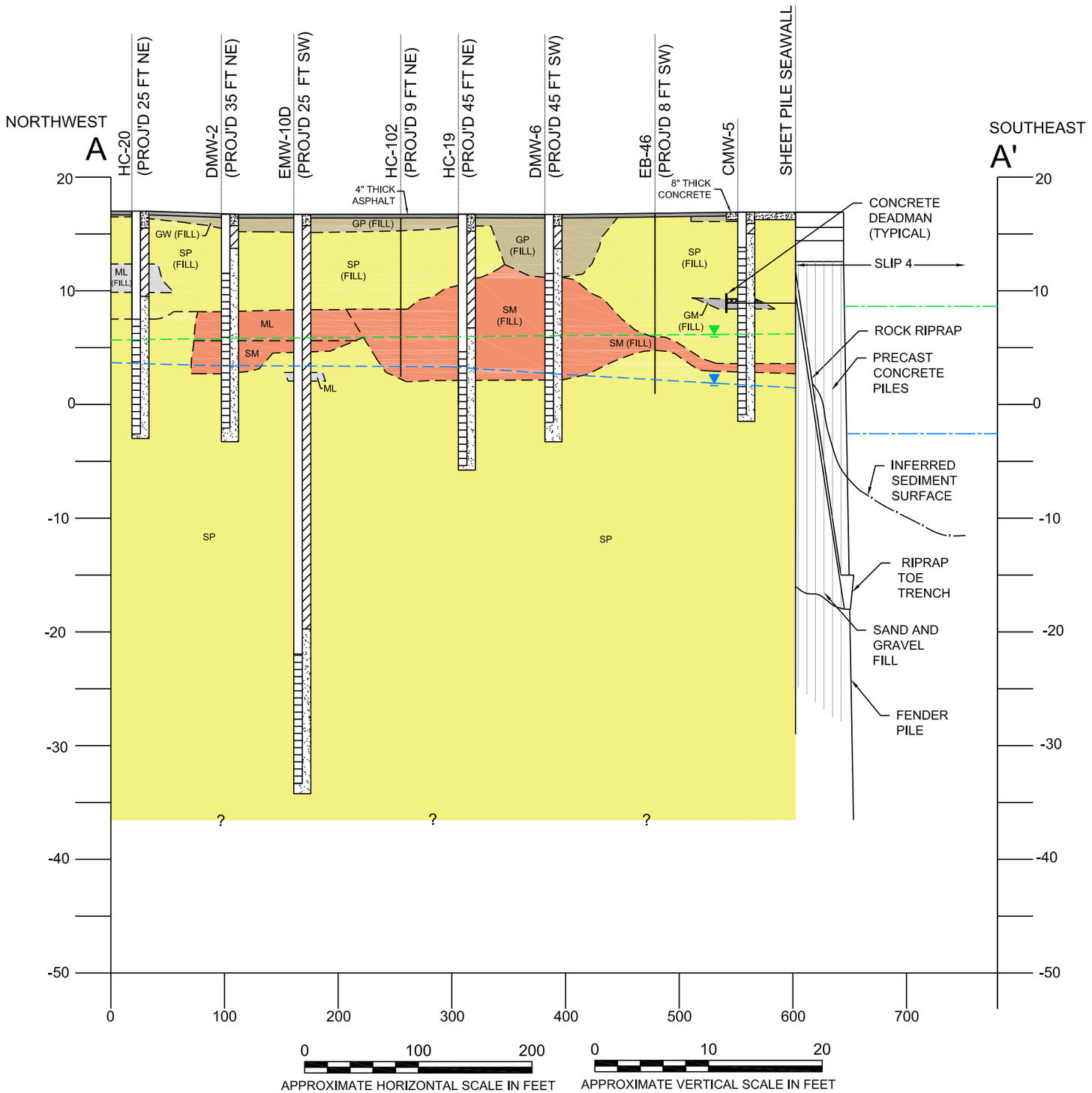
N:\Bothell\1 PROJECTS\Crowley - 205\00030 First Phase of RI\Figures\02-17.dwg, MEH



N:\Bothell\1 PROJECTS\Crowley - 205\000030 First Phase of RI\Figures\01-18&19.dwg, MEH

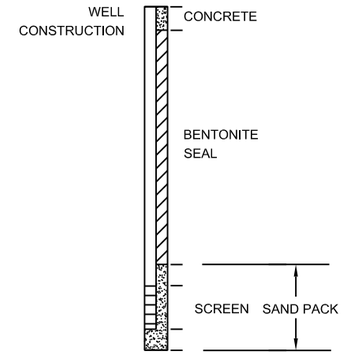
NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG AND SUN AND ASSOCIATES, SEATTLE, WA. SHEET PILE DETAIL AND TYPICAL ELEVATION.

VERTICAL ELEVATION RELATIVE TO NAVD 88 DATUM.

THE LOCATION OF THE CROSS SECTION IS SHOWN ON FIGURE 17.

LEGEND



GP, GW	CLEAN, SLIGHTLY SILTY TO SANDY GRAVEL
SP, SW	CLEAN, SLIGHTLY SILTY TO GRAVELY SAND
ML	SILT
SM, ML	SILTY SAND TO SANDY SILT
GM	SILTY GRAVEL
	ASPHALT
	CONCRETE
	INTERPRETED CONTACT POSITION (DASHED WHERE INFERRED)
	LOW - LOW TIDE GW ELEVATION (7/10/2013) (DASHED WHERE INFERRED)
	HIGH - HIGH TIDE GW ELEVATION (9/23/2013) (DASHED WHERE INFERRED)
	LOW - LOW TIDE SURFACE WATER ELEVATION (7/10/2013)
	HIGH - HIGH TIDE SURFACE WATER ELEVATION (9/23/2013)

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GEOLOGIC CROSS SECTION A-A'

Date JANUARY 23, 2013	Scale AS SHOWN	Fig. No. 18
File Name 01-18	Project No. 101.00205.00030	

SLR
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BOTHELL, WA 98021
T: 425-402-8800
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SOUTHWEST

B

NORTHEAST

B'

EB-40 (PROJ'D 5 FT SE)

EB-32 (PROJ'D 15 FT NW)

HC-19 (PROJ'D 30 FT SE)

EB-38 (PROJ'D 18' NW)

EB-24 (PROJ'D 12 FT NW)

DB-10 (PROJ'D 6 FT NW)

EMW-5S (PROJ'D 12 FT NW)

FB-5 (PROJ'D 28 FT NW)

SLR-6 (PROJ'D 34 FT NW)

EMW-2S (PROJ'D 22 FT NW)

4" THICK ASPHALT

GP (FILL)

SP (FILL)

SM (FILL)

ML (FILL)

SP

?

20
10
0
-10
-20
-30
-40
-50

0 100 200 300 400 500 600 700 800 900 1,000

0 100 200

APPROXIMATE HORIZONTAL SCALE IN FEET

0 10 20

APPROXIMATE VERTICAL SCALE IN FEET

N:\Bothell\1 PROJECTS\Crowley - 205000030 First Phase of RI\Figures\01-18&19.dwg, MEH

NOTES

VERTICAL ELEVATION RELATIVE TO NAVD 88 DATUM.

THE LOCATION OF THE CROSS SECTION IS SHOWN ON FIGURE 17.

LEGEND

WELL CONSTRUCTION

CONCRETE

BENTONITE SEAL

SCREEN

SAND PACK

GP	CLEAN, SLIGHTLY SILTY TO SANDY GRAVEL
SP	CLEAN, SLIGHTLY SILTY TO GRAVELY SAND
SM, ML	SILTY SAND TO SANDY SILT
GM	SILTY GRAVEL
	ASPHALT
	CONCRETE
	INTERPRETED CONTACT POSITION
	LOW - LOW TIDE GW ELEVATION (7/10/2013) (DASHED WHERE INFERRED)
	HIGH - HIGH TIDE GW ELEVATION (9/23/2013) (DASHED WHERE INFERRED)

8TH AVENUE TERMINALS, INC. SITE
7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON

Drawing
GEOLOGIC CROSS SECTION B-B'

Date JANUARY 29, 2013 | Scale AS SHOWN | Fig. No. 19

File Name 01-19 | Project No. 101.00205.00030

SLR
22118 20th AVE SE
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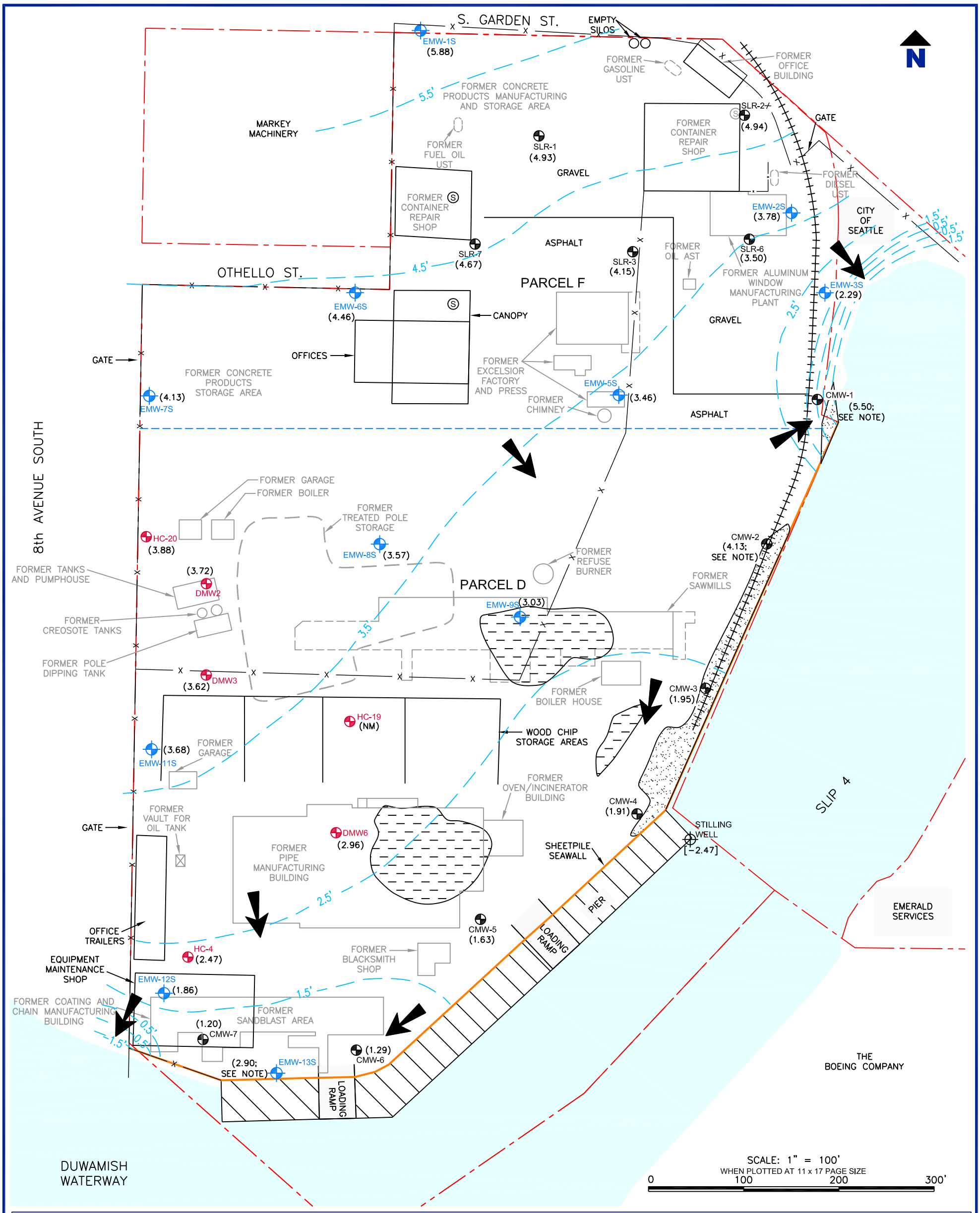

NOTES

1) SLR ASSUMED THAT THE WESTERNMOST SEGMENT OF THE SHEETPILE SEAWALL IS CONSTRUCTED SIMILAR TO THE REST OF THE WALL.
2) DUE TO ANOMALOUS DEPTH TO GROUNDWATER MEASUREMENTS, THE GROUNDWATER ELEVATIONS AT WELLS EMW-13S, CMW-1, AND CMW-2 WERE NOT USED FOR CONTOURING.
3) NM = NOT MEASURED.

LEGEND

- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2008 GROUNDWATER MONITORING WELL
- 1980 OR 1990 GROUNDWATER MONITORING WELL
- PARCEL D/PARCEL F BOUNDARY
- (2.96) SHALLOW GROUNDWATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON JULY 10, 2013
- [-2.47] SLIP 4 SURFACE WATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON JULY 10, 2013
- 2.5' INFERRED SHALLOW GROUNDWATER ELEVATION CONTOUR LINE (IN FEET)
- GENERAL SHALLOW GROUNDWATER FLOW DIRECTION
- (S) WASH WATER SUMP
- (S) FORMER WASH WATER SUMP

8TH AVENUE TERMINALS, INC. SITE
7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON

Drawing: SHALLOW GROUNDWATER ELEVATION CONTOUR MAP - SEASONAL LOW-LOW TIDE CONDITIONS ON JULY 10, 2013

Date	Scale	Fig. No.
January 21, 2014	AS SHOWN	20
File Name: 01-20	Project No.: 101.00205.00030	

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S. GARDEN ST.

EMPTY SILOS

FORMER GASOLINE UST

FORMER OFFICE BUILDING

GATE

MARKEY MACHINERY COMPANY

FORMER CONCRETE PRODUCTS MANUFACTURING AND STORAGE AREA

FORMER FUEL OIL UST

FORMER CONTAINER REPAIR SHOP

GRAVEL

FORMER DIESEL UST

CITY OF SEATTLE

ASPHALT

TP100810

FORMER OIL AST

FORMER ALUMINUM WINDOW MANUFACTURING PLANT

OTHELLO ST.

PARCEL F

CANOPY

OFFICES

GATE

FORMER CONCRETE PRODUCTS STORAGE AREA

FORMER EXCELSIOR FACTORY AND PRESS

FORMER CHIMNEY

2.0'

1.0'

EMW-4D (1.09)

ASPHALT

8th AVENUE SOUTH

FORMER GARAGE

FORMER BOILER

FORMER TREATED POLE STORAGE

FORMER REFUSE BURNER

3.0'

FORMER TANKS AND PUMPHOUSE

PARCEL D

FORMER SAWMILLS

FORMER CREOSOTE TANKS

FORMER POLE DIPPING TANK

EMW-10D (3.73)

FORMER BOILER HOUSE

WOOD CHIP STORAGE AREAS

FORMER GARAGE

3.0'

FORMER OVEN/INCINERATOR BUILDING

(1.21) EMW-15D

STILLING WELL

[-2.47]

GATE

FORMER VAULT FOR OIL TANK

FORMER PIPE MANUFACTURING BUILDING

SHEETPILE SEAWALL

SLIP 4

2.0'

PIER

LOADING RAMP

OFFICE TRAILERS

EMERALD SERVICES

EQUIPMENT MAINTENANCE SHOP

FORMER BLACKSMITH SHOP

1.0'

FORMER COATING AND CHAIN MANUFACTURING BUILDING

FORMER SANDBLAST AREA

EMW-14D (1.28)

EMW-16D (0.66)

LOADING RAMP

THE BOEING COMPANY

DUWAMISH WATERWAY

SCALE: 1" = 100'

WHEN PLOTTED AT 11 x 17 PAGE SIZE

0 100 200 300'

NOTES

LEGEND

PARCEL D/PARCEL F BOUNDARY

PROPERTY BOUNDARIES

RAIL LINE

FENCE

SHEETPILE SEAWALL

APPROX. LOCATION OF DREDGE FILL AREA

APPROX. LOCATION OF SAND AND DREDGE FILL AREA

2013 DEEP GROUNDWATER MONITORING WELL

WASH WATER SUMP

FORMER WASH WATER SUMP

(1.28) DEEPER GROUNDWATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON JULY 10, 2013

[-2.47] SLIP 4 SURFACE WATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON JULY 10, 2013

1.0' INFERRED DEEPER GROUNDWATER ELEVATION CONTOUR LINE (IN FEET)

GENERAL DEEPER GROUNDWATER FLOW DIRECTION

8TH AVENUE TERMINALS, INC. SITE
7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON

Drawing: DEEPER GROUNDWATER ELEVATION CONTOUR MAP - SEASONAL LOW-LOW TIDE CONDITIONS ON JULY 10, 2013

Date: January 23, 2014 | Scale: AS SHOWN | Fig. No. 21

File Name: 01-21 | Project No. 101.00205.00030

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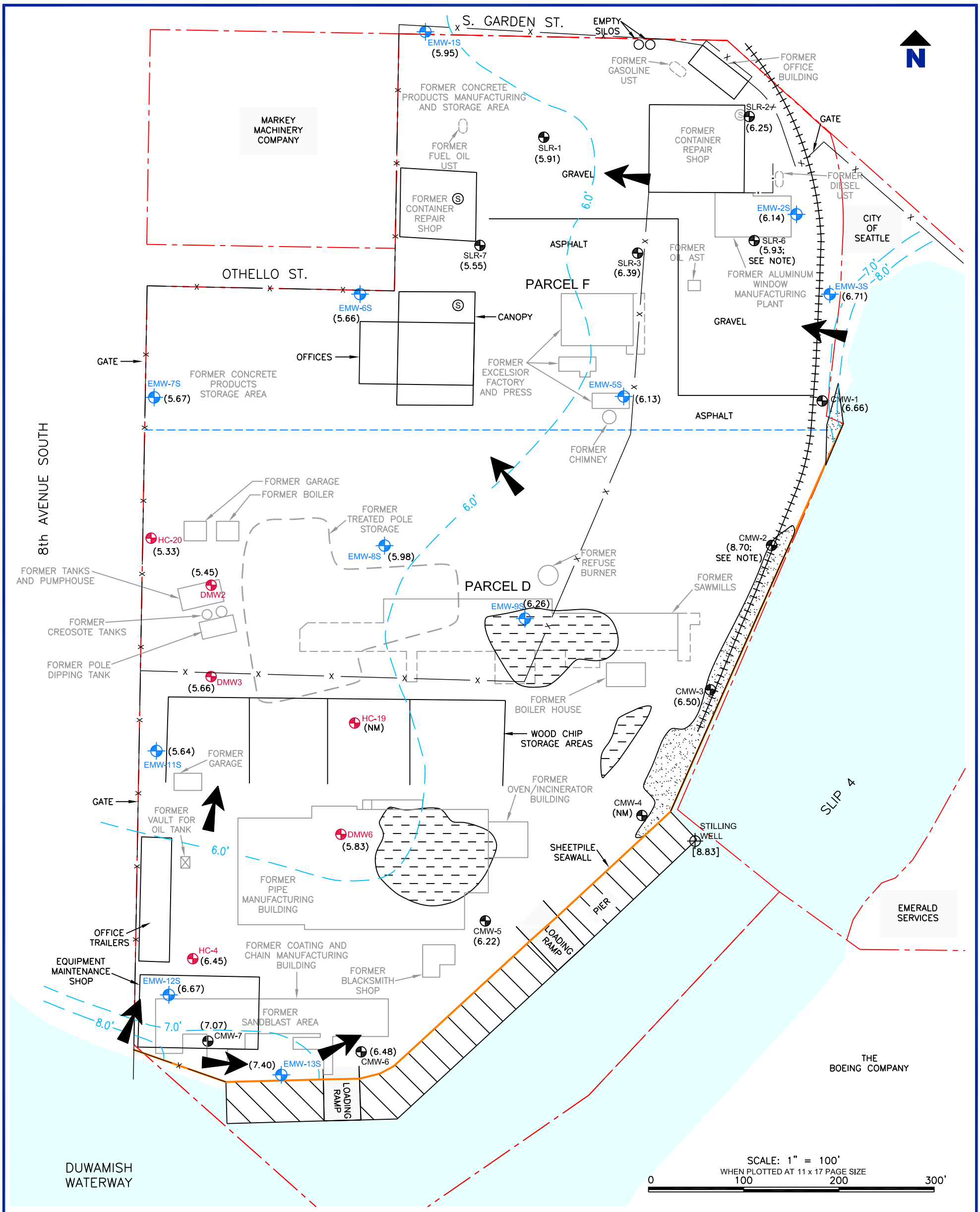

NOTES

1) SLR ASSUMED THAT THE WESTERNMOST SEGMENT OF THE SHEETPILE SEAWALL IS CONSTRUCTED SIMILAR TO THE REST OF THE WALL.
2) DUE TO ANOMALOUS DEPTH TO GROUNDWATER MEASUREMENTS, THE GROUNDWATER ELEVATIONS AT WELLS CMW-2 AND SLR-6 WERE NOT USED FOR CONTOURING.
3) NM = NOT MEASURED.

LEGEND

- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2008 GROUNDWATER MONITORING WELL
- 1980 OR 1990 GROUNDWATER MONITORING WELL
- PARCEL D/PARCEL F BOUNDARY
- (6.66) SHALLOW GROUNDWATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON SEPTEMBER 23, 2013
- [8.83] SLIP 4 SURFACE WATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON SEPTEMBER 23, 2013
- 6.0' INFERRED SHALLOW GROUNDWATER ELEVATION CONTOUR LINE (IN FEET)
- GENERAL SHALLOW GROUNDWATER FLOW DIRECTION
- Ⓢ WASH WATER SUMP
- Ⓢ FORMER WASH WATER SUMP

8TH AVENUE TERMINALS, INC. SITE
7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON

Drawing: SHALLOW GROUNDWATER ELEVATION CONTOUR MAP - SEASONAL HIGH-HIGH TIDE CONDITIONS ON SEPTEMBER 23, 2013

Date	Scale	Fig. No.
January 23, 2014	AS SHOWN	22
File Name: 01-22	Project No.: 101.00205.00030	

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F: 425-402-8488

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S. GARDEN ST.

EMPTY SILOS

FORMER GASOLINE UST

FORMER OFFICE BUILDING

GATE

MARKEY MACHINERY COMPANY

FORMER CONCRETE PRODUCTS MANUFACTURING AND STORAGE AREA

FORMER FUEL OIL UST

FORMER CONTAINER REPAIR SHOP

GRAVEL

FORMER DIESEL UST

CITY OF SEATTLE

ASPHALT

TP100810

FORMER OIL AST

FORMER ALUMINUM WINDOW MANUFACTURING PLANT

OTHELLO ST.

PARCEL F

CANOPY

OFFICES

GATE

FORMER CONCRETE PRODUCTS STORAGE AREA

FORMER EXCELSIOR FACTORY AND PRESS

FORMER CHIMNEY

7.0'

ASPHALT

EMW-4D (7.28)

8th AVENUE SOUTH

FORMER GARAGE

FORMER BOILER

FORMER TREATED POLE STORAGE

FORMER TANKS AND PUMPHOUSE

FORMER REFUSE BURNER

FORMER SAWMILLS

PARCEL D

FORMER CREOSOTE TANKS

FORMER POLE DIPPING TANK

EMW-10D (5.82)

FORMER BOILER HOUSE

FORMER GARAGE

6.0'

WOOD CHIP STORAGE AREAS

FORMER OVEN/INCINERATOR BUILDING

SLIP 4

GATE

FORMER VAULT FOR OIL TANK

EMW-15D (NM)

STILLING WELL [8.83]

SHEETPILE SEAWALL

FORMER PIPE MANUFACTURING BUILDING

PIER

LOADING RAMP

EMERALD SERVICES

OFFICE TRAILERS

7.0'

EQUIPMENT MAINTENANCE SHOP

FORMER BLACKSMITH SHOP

FORMER COATING AND CHAIN MANUFACTURING BUILDING

FORMER SANDBLAST AREA

EMW-14D (6.62)

EMW-16D (7.38)

LOADING RAMP

THE BOEING COMPANY

DUWAMISH WATERWAY

SCALE: 1" = 100'

WHEN PLOTTED AT 11 x 17 PAGE SIZE

0 100 200 300'

NOTES

1) NM = NOT MEASURED.

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 DEEP GROUNDWATER MONITORING WELL
- WASH WATER SUMP
- FORMER WASH WATER SUMP

(7.28) DEEPER GROUNDWATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON SEPTEMBER 23, 2013

[8.83] SLIP 4 SURFACE WATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON SEPTEMBER 23, 2013

7.0' INFERRED DEEPER GROUNDWATER ELEVATION CONTOUR LINE (IN FEET)

GENERAL DEEPER GROUNDWATER FLOW DIRECTION

8TH AVENUE TERMINALS, INC. SITE
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SEATTLE, WASHINGTON

Drawing: DEEPER GROUNDWATER ELEVATION CONTOUR MAP - SEASONAL HIGH-HIGH TIDE CONDITIONS ON SEPTEMBER 23, 2013

Date	January 23, 2014	Scale	AS SHOWN
File Name	01-23	Project No.	101.00205.00030

Fig. No. 23

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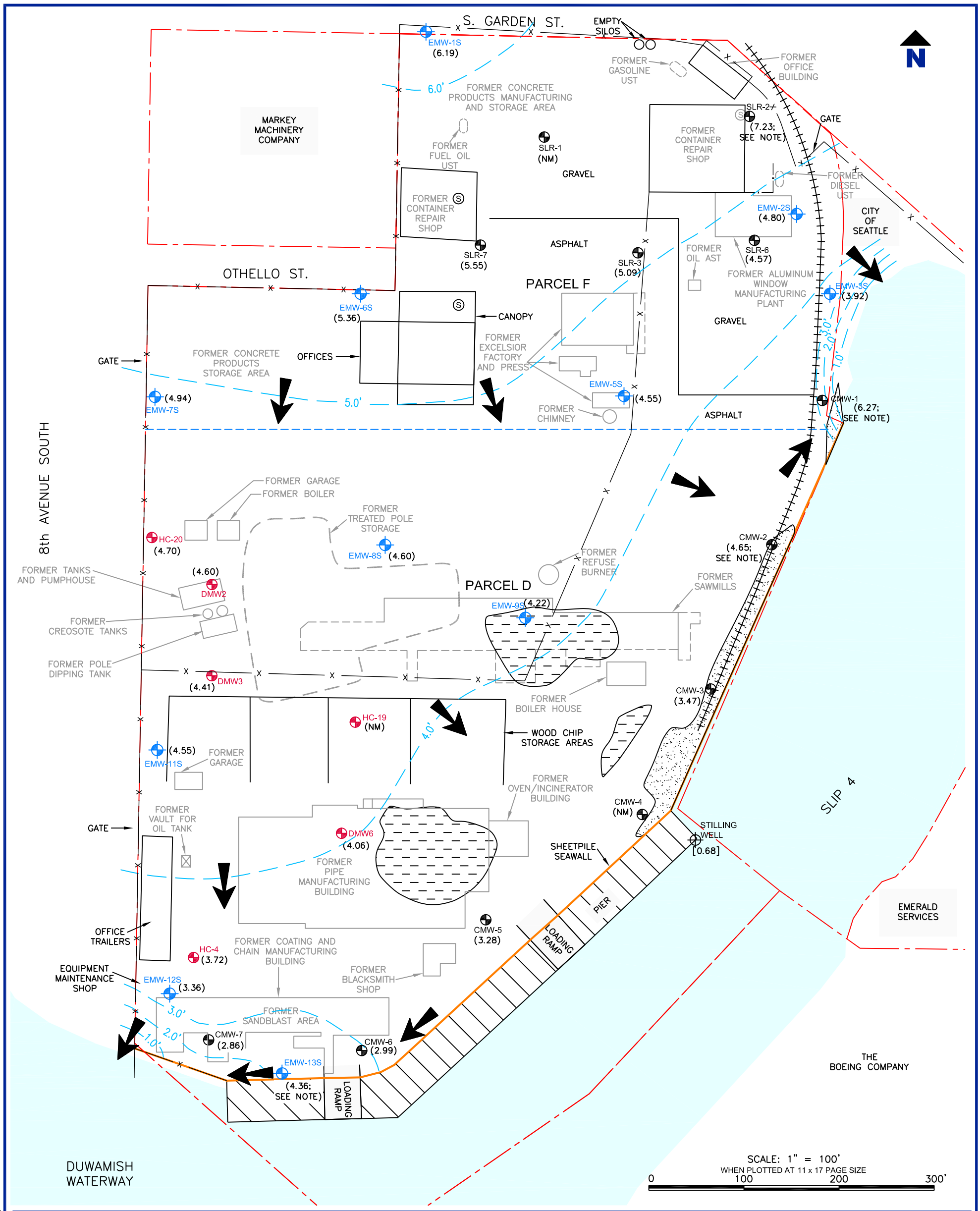

NOTES

1) SLR ASSUMED THAT THE WESTERNMOST SEGMENT OF THE SHEETPILE SEAWALL IS CONSTRUCTED SIMILAR TO THE REST OF THE WALL.
2) DUE TO ANOMALOUS DEPTH TO GROUNDWATER MEASUREMENTS, THE GROUNDWATER ELEVATIONS AT WELLS EMW-13S, CMW-1, CMW-2, AND SLR-2 WERE NOT USED FOR CONTOURING.
3) NM = NOT MEASURED.

LEGEND

- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2008 GROUNDWATER MONITORING WELL
- 1980 OR 1990 GROUNDWATER MONITORING WELL
- PARCEL D/PARCEL F BOUNDARY
- (3.47) SHALLOW GROUNDWATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON OCTOBER 2, 2013
- [0.68] SLIP 4 SURFACE WATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON OCTOBER 2, 2013
- 4.0' INFERRED SHALLOW GROUNDWATER ELEVATION CONTOUR LINE (IN FEET)
- GENERAL SHALLOW GROUNDWATER FLOW DIRECTION
- (S) WASH WATER SUMP
- (S) FORMER WASH WATER SUMP

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Drawing: SHALLOW GROUNDWATER ELEVATION CONTOUR MAP - SEASONAL LOW TIDE CONDITIONS ON OCTOBER 2, 2013

Date	January 23, 2014	Scale	AS SHOWN
File Name	02-24	Project No.	101.00205.00030

Fig. No. 24

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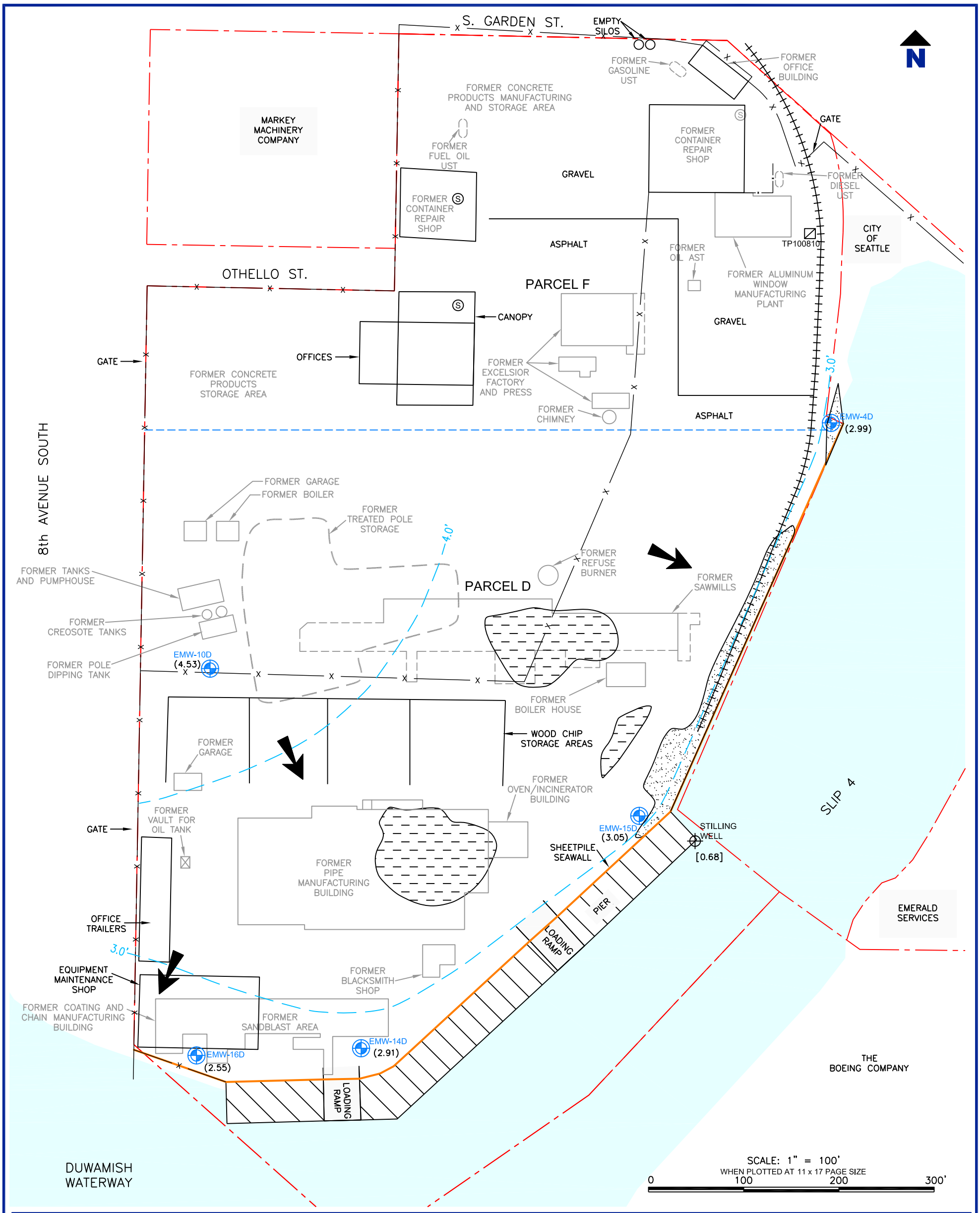

NOTES

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 DEEP GROUNDWATER MONITORING WELL
- Ⓢ WASH WATER SUMP
- Ⓢ FORMER WASH WATER SUMP

(4.53) DEEPER GROUNDWATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON OCTOBER 2, 2013

[0.68] SLIP 4 SURFACE WATER ELEVATION (IN FEET) ABOVE NAVD 88 DATUM ON OCTOBER 2, 2013

4.0' INFERRED DEEPER GROUNDWATER ELEVATION CONTOUR LINE (IN FEET)

GENERAL DEEPER GROUNDWATER FLOW DIRECTION

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Drawing: DEEPER GROUNDWATER ELEVATION CONTOUR MAP - SEASONAL LOW TIDE CONDITIONS ON OCTOBER 2, 2013

Date	January 23, 2014	Scale	AS SHOWN
File Name	01-25	Project No.	101.00205.00030

Fig. No. 25

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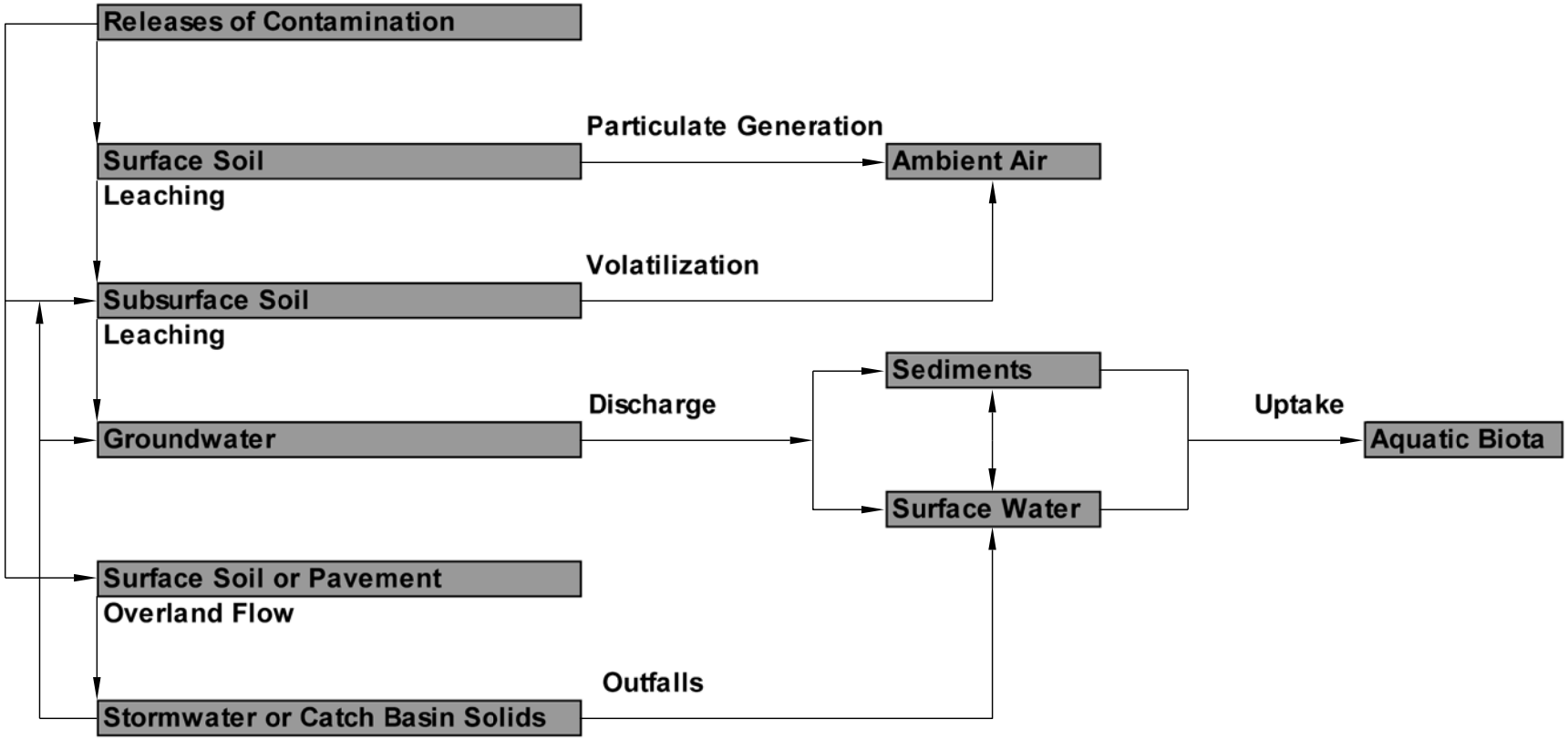

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Drawing
CONTAMINANT TRANSPORT MECHANISMS

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Date	January 23, 2014	Scale	AS SHOWN
File Name	01-26	Project No.	001.0205.00030

Fig. No. 26

Media	Exposure Pathways	Human Receptors								Ecological Receptors
		Current On Site Industrial Workers	Current School Bus Drivers	Current Property Visitors	Future On Site Industrial Workers	Future School Bus Drivers	Future Property Visitors	Future Construction Workers	Current/ Future Fishermen	Current/ Future Aquatic Biota
Surface Soil	Ingestion	X	X	X	X	X	X	X		
	Dermal Contact	X	X	X	X	X	X	X		
Subsurface Soil	Ingestion				X	X	X	X		
	Dermal Contact				X	X	X	X		
Ambient Air	Inhalation of Particulates	X	X	X	X	X	X	X		
Indoor Air	Inhalation of Volatiles				X					
Groundwater	Ingestion							X		
	Dermal Contact							X		
Surface Water	Ingestion									X
	Dermal Contact								X	X
	Respiration									X
	Uptake									X
Sediments	Ingestion									X
	Dermal Contact								X	X
	Uptake									X
Aquatic Biota	Consumption								X	X

NOTES:
X = Pathway is considered potentially complete based on existing information.
A blank cell indicates a pathway that is considered incomplete based on existing information.

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Drawing: RECEPTORS AND POTENTIAL EXPOSURE PATHWAYS

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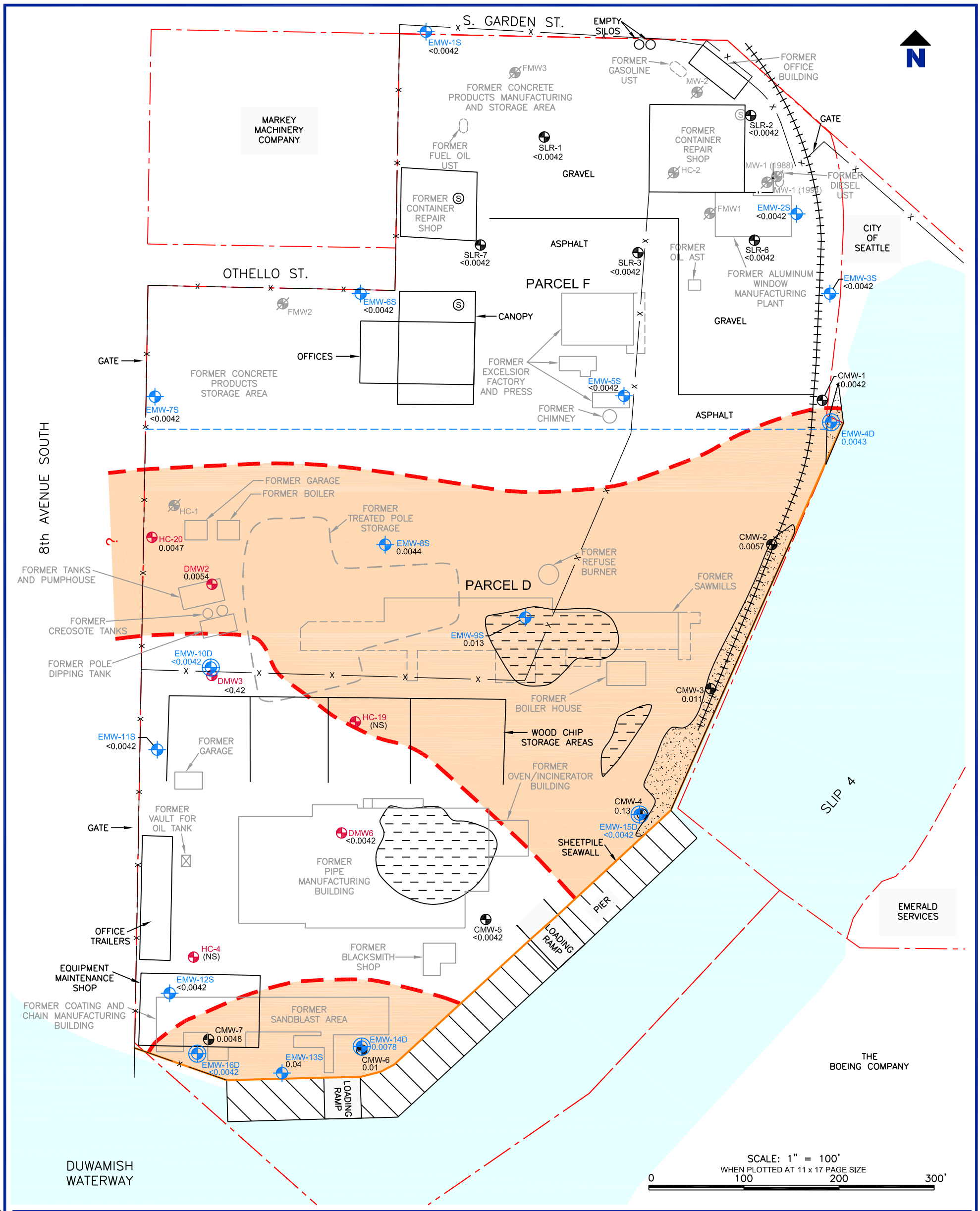
Date: January 23, 2014
Scale: AS SHOWN
Fig. No. 27
File Name: 01-27
Project No. 101.00205.00030



NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) THIS FIGURE SHOWS THE HIGHEST CONCENTRATION AT EACH WELL DURING THE THREE 2013 GROUNDWATER SAMPLING EVENTS.
3) DATA PRESENTED IN MICROGRAMS PER LITER (µg/L).

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF BENZO(A)ANTHRACENE CONCENTRATIONS GREATER THAN THE PRELIMINARY CLEANUP LEVEL OF 0.0042 µg/L

- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- (S) INACTIVE WASH WATER SUMP
- (S) FORMER WASH WATER SUMP
- 0.01 BENZO(A)ANTHRACENE CONCENTRATION IN SHALLOW GROUNDWATER
- 0.0078 BENZO(A)ANTHRACENE CONCENTRATION IN DEEPER GROUNDWATER
- (NS) NOT SAMPLED FOR PAHs IN 2013

8TH AVENUE TERMINALS, INC. SITE
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Drawing
2013 GROUNDWATER SAMPLE ANALYTICAL RESULTS - BENZO(A)ANTHRACENE

Date	January 27, 2014	Scale	AS SHOWN
File Name	01-28	Project No.	101.00205.00030

Fig. No. 28

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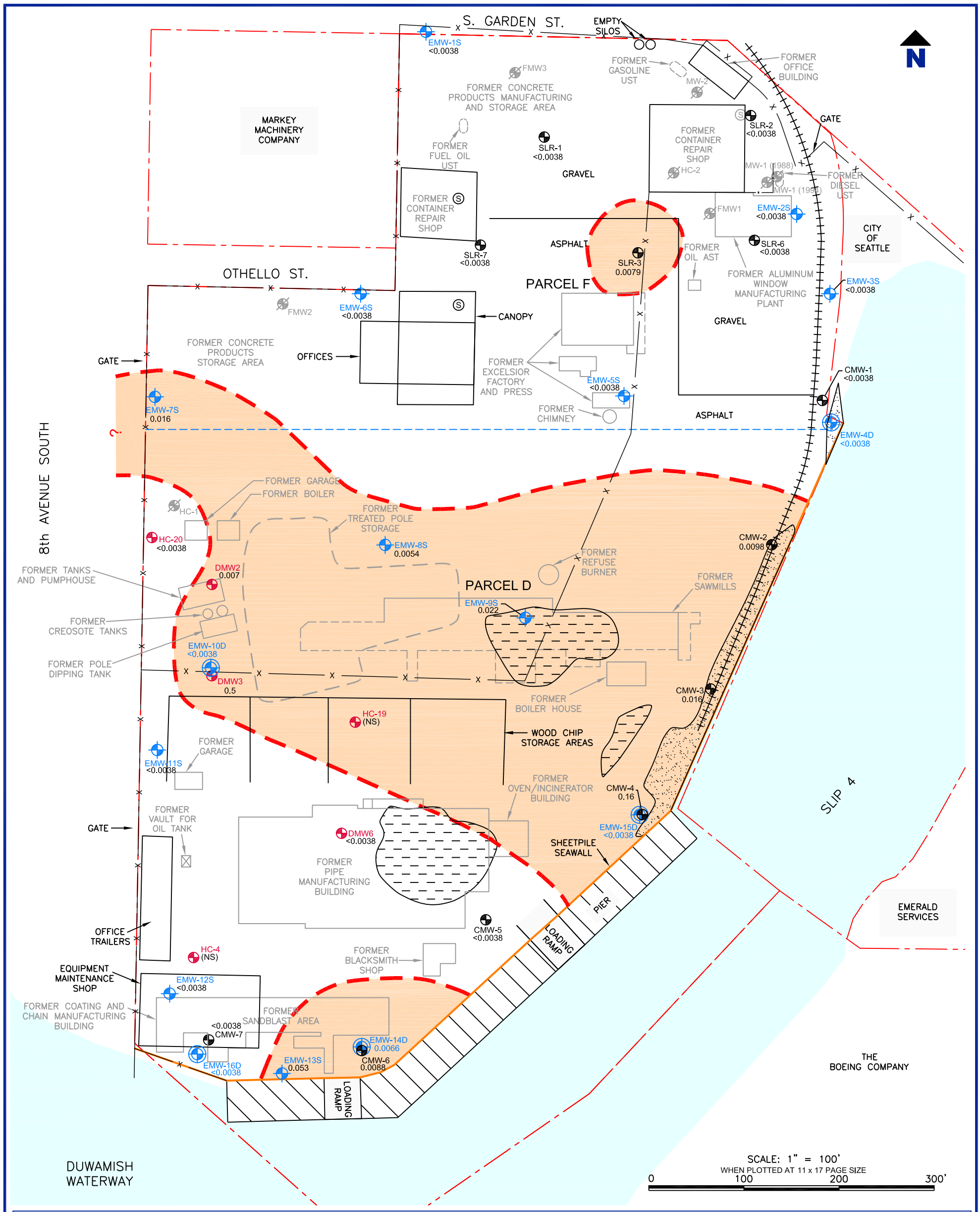

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) THIS FIGURE SHOWS THE HIGHEST CONCENTRATION AT EACH WELL DURING THE THREE 2013 GROUNDWATER SAMPLING EVENTS.
3) DATA PRESENTED IN MICROGRAMS PER LITER (µg/L).

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF CHRYSENE CONCENTRATIONS GREATER THAN THE PRELIMINARY CLEANUP LEVEL OF 0.0038 µg/L

- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- (S) INACTIVE WASH WATER SUMP
- (S) FORMER WASH WATER SUMP
- 0.16 CHRYSENE CONCENTRATION IN SHALLOW GROUNDWATER
- 0.0066 CHRYSENE CONCENTRATION IN DEEPER GROUNDWATER
- (NS) NOT SAMPLED FOR PAHs IN 2103

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Drawing
2013 GROUNDWATER SAMPLE ANALYTICAL RESULTS - CHRYSENE

Date	January 29, 2014	Scale	AS SHOWN
File Name	01-29	Project No.	101.00205.00030

Fig. No. 29

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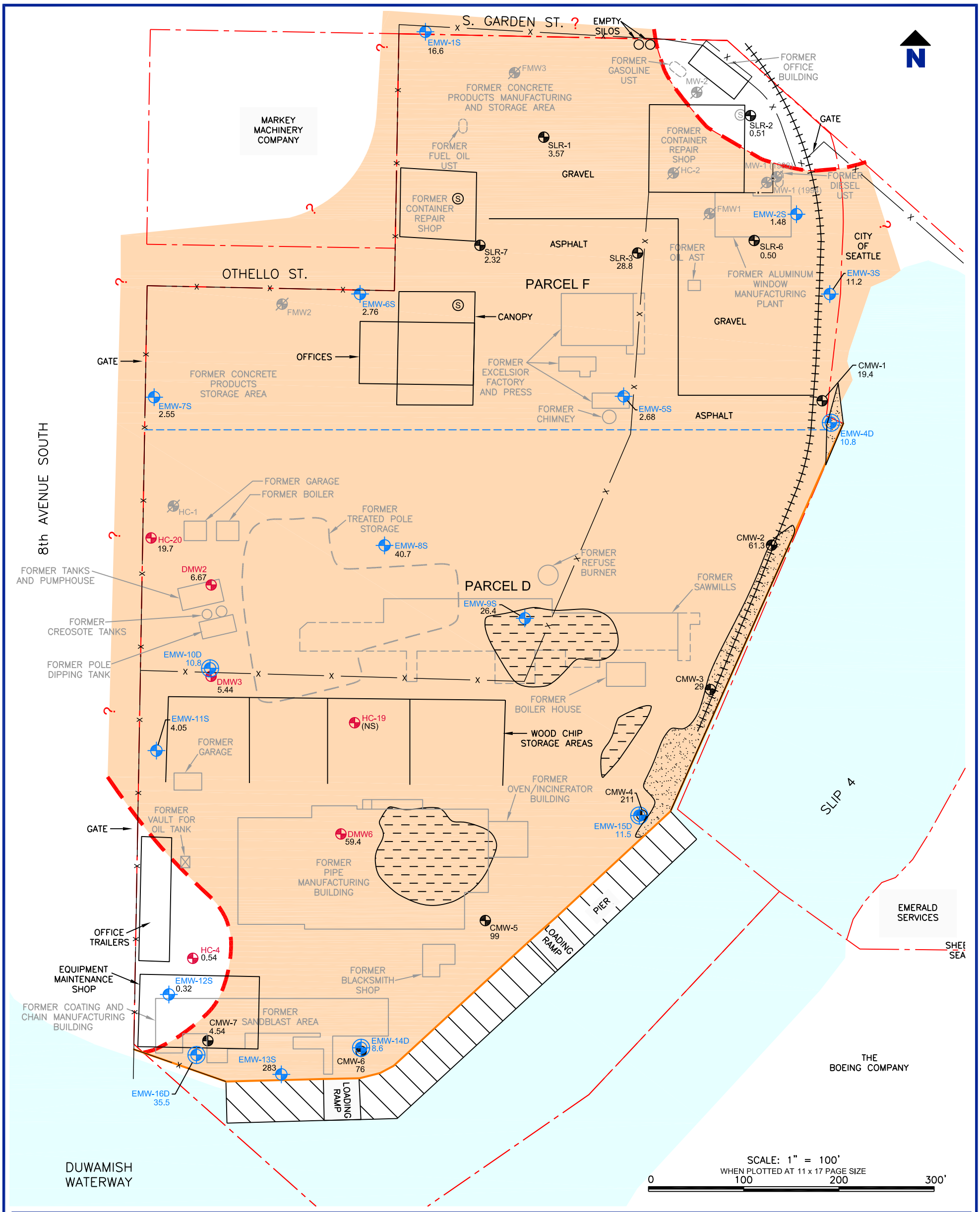

NOTES

1) DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG
2) THIS FIGURE SHOWS THE HIGHEST DISSOLVED CONCENTRATION AT EACH WELL DURING THE THREE 2013 GROUNDWATER SAMPLING EVENTS.
3) DATA PRESENTED IN MICROGRAMS PER LITER (µg/L).

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF DISSOLVED ARSENIC CONCENTRATIONS GREATER THAN THE PRELIMINARY CLEANUP LEVEL OF 0.87 µg/L
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- Ⓢ INACTIVE WASH WATER SUMP
- Ⓢ FORMER WASH WATER SUMP
- 11.5 ARSENIC CONCENTRATION IN SHALLOW GROUNDWATER
- 211 ARSENIC CONCENTRATION IN DEEPER GROUNDWATER
- (NS) NOT SAMPLED FOR ARSENIC IN 2013

8TH AVENUE TERMINALS, INC. SITE
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Drawing
2013 GROUNDWATER SAMPLE ANALYTICAL RESULTS - DISSOLVED ARSENIC

Date	January 29, 2014	Scale	AS SHOWN	Fig. No.	30
File Name	01-30	Project No.	101.00205.00030		

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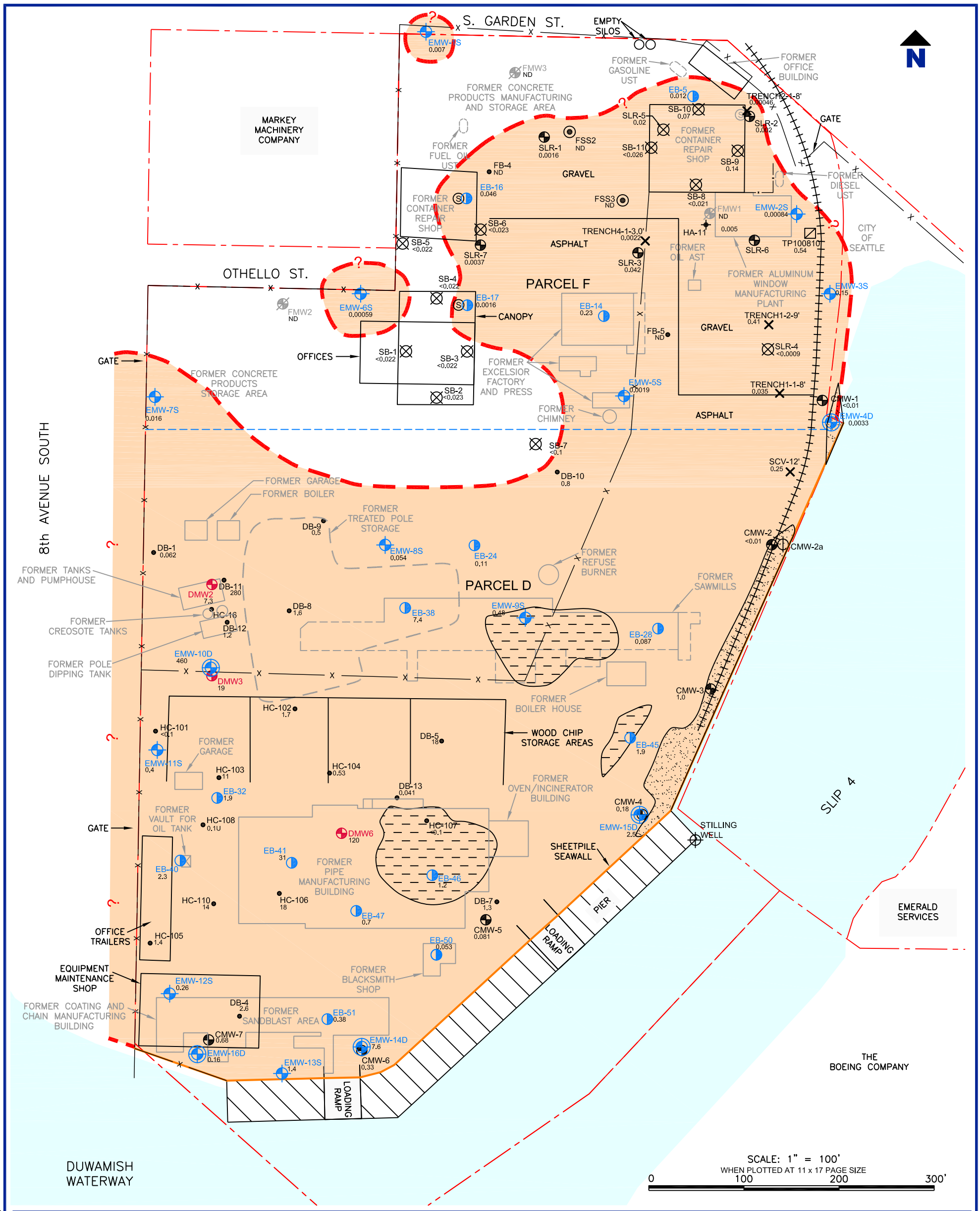

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SOIL BORING LOCATION
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- ESTIMATED EXTENT OF BENZO(A)ANTHRACENE CONCENTRATIONS THAT EXCEED THE PRELIMINARY CLEANUP LEVEL OF 0.00040 MG/KG
- 2012 TRENCH SAMPLE LOCATION
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)
- INACTIVE WASH WATER SUMP
- FORMER WASH WATER SUMP
- 1.4 BENZO(A)ANTHRACENE CONCENTRATIONS IN THE SOIL

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG

ALL DATA PRESENTED IN MILLIGRAMS PER KILOGRAM (mg/Kg)

FIGURE ONLY PRESENTS HIGHEST SOIL CONCENTRATION AT EACH LOCATION

8TH AVENUE TERMINALS, INC. SITE
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Drawing
ESTIMATED AREA OF BENZO(A)ANTHRACENE-IMPACTED SOIL

Date	January 30, 2014	Scale	AS SHOWN
File Name	01-31	Project No.	101.00205.00030

Fig. No. 31

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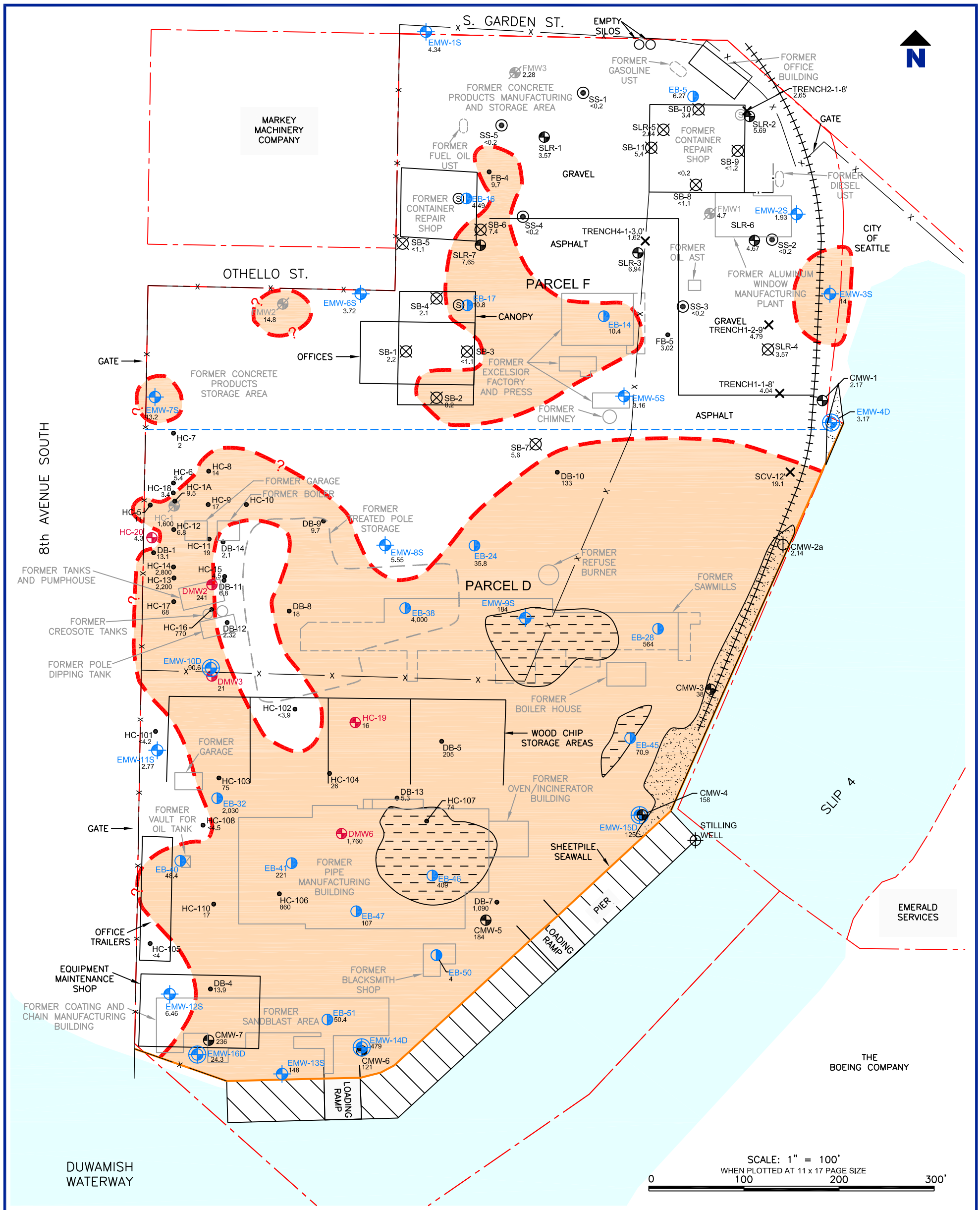

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LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SOIL BORING LOCATION
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- ESTIMATED EXTENT OF ARSENIC CONCENTRATIONS THAT EXCEED THE PRELIMINARY CLEANUP LEVEL OF 7.0 MG/KG
- 2012 TRENCH SAMPLE LOCATION
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)
- INACTIVE WASH WATER SUMP
- FORMER WASH WATER SUMP
- 148 ARSENIC CONCENTRATIONS IN THE SOIL

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG

ALL DATA PRESENTED IN MILLIGRAMS PER KILOGRAM (mg/Kg)

FIGURE ONLY PRESENTS HIGHEST SOIL CONCENTRATION AT EACH LOCATION

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Drawing
ESTIMATED AREAS OF ARSENIC-IMPACTED SOIL

Date	January 30, 2014	Scale	AS SHOWN
File Name	01-32	Project No.	101.00205.00030

Fig. No. 32

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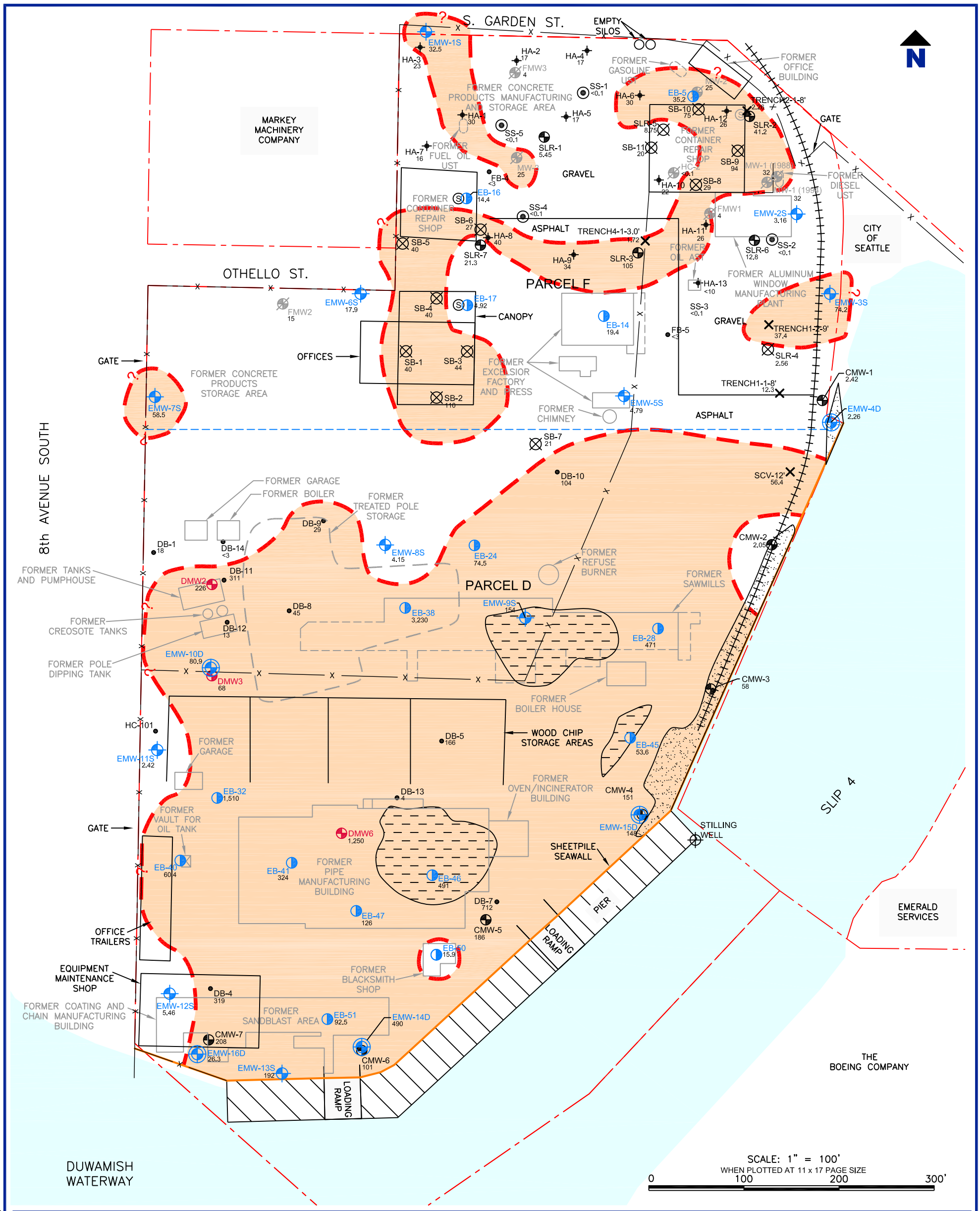

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- 2013 SOIL BORING LOCATION
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2013 DEEP GROUNDWATER MONITORING WELL
- ESTIMATED AREA OF LEAD CONCENTRATIONS GREATER THAN THE PRELIMINARY CLEANUP LEVEL OF 25 MG/KG
- 490 LEAD CONCENTRATIONS IN THE SOIL
- 2012 TRENCH SAMPLE LOCATION
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROX. LOCATION)
- 1989 OR 1990 SURFACE SOIL SAMPLE (APPROXIMATE LOCATION)
- 1994 SOIL BORING (APPROXIMATE LOCATION)
- 2008 SOIL BORING (APPROXIMATE LOCATION)
- 2009 SOIL BORING (APPROXIMATE LOCATION)
- 2010 TEST PIT (APPROXIMATE LOCATION)
- INACTIVE WASH WATER SUMP
- FORMER WASH WATER SUMP
- <3 NO LEAD DETECTED IN THE SOIL SAMPLE

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG

ALL DATA PRESENTED IN MILLIGRAMS PER KILOGRAM (mg/Kg)

FIGURE ONLY PRESENTS HIGHEST SOIL CONCENTRATION AT EACH LOCATION

8TH AVENUE TERMINALS, INC. SITE
7400 8TH AVENUE SOUTH
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Drawing
ESTIMATED AREAS OF LEAD-IMPACTED SOIL

Date	January 30, 2014	Scale	AS SHOWN
File Name	01-33	Project No.	101.00205.00030

Fig. No. 33

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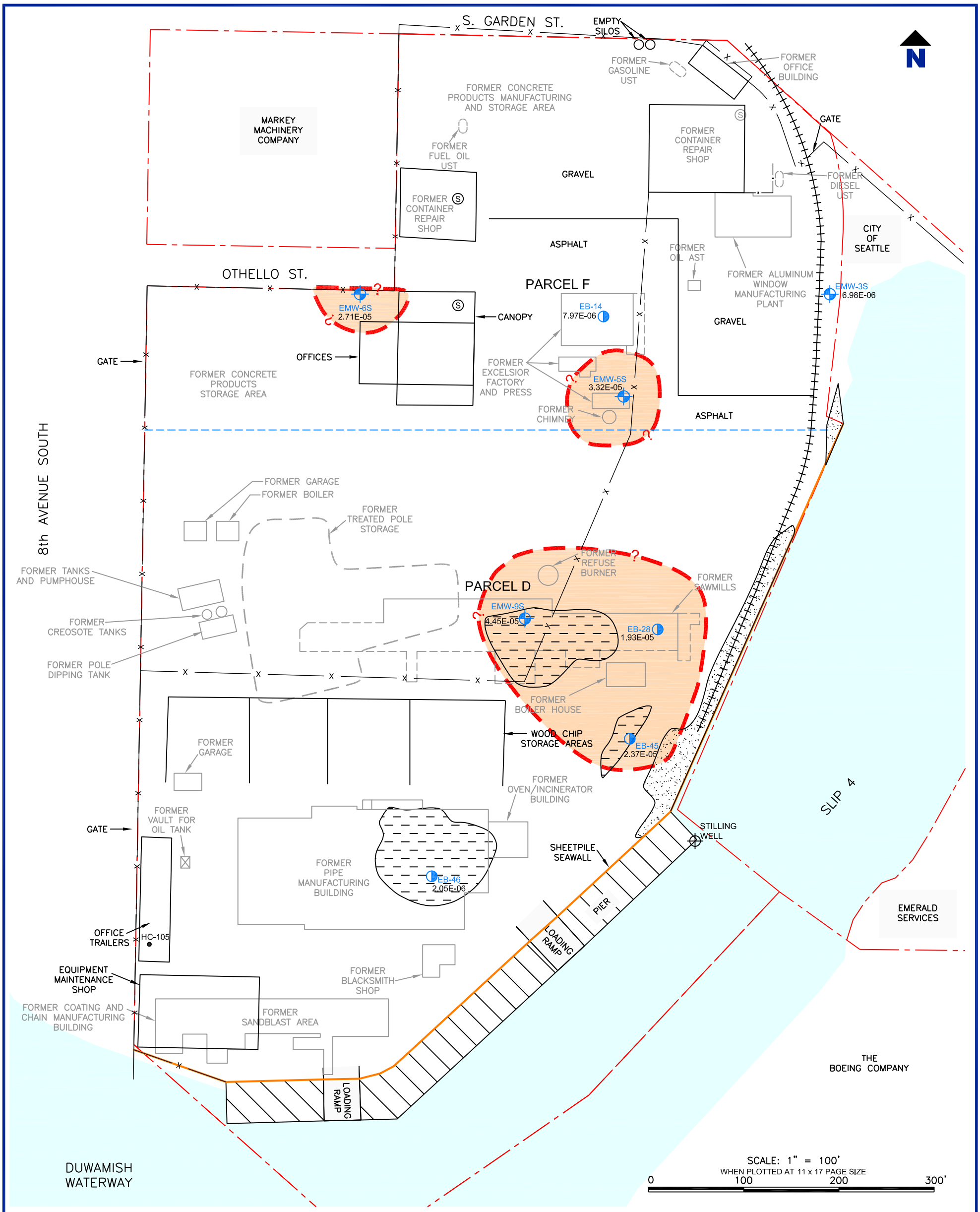

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA.
SURVEY PLAN, DRAWING 06133-CC052908.DWG

ALL DATA PRESENTED IN MILLIGRAMS PER KILOGRAM (MG/KG)

FIGURE ONLY PRESENTS HIGHEST SOIL CONCENTRATION IN EACH BORING

LEGEND

- PARCEL D/PARCEL F BOUNDARY
- PROPERTY BOUNDARIES
- RAIL LINE
- FENCE
- SHEETPILE SEAWALL
- APPROX. LOCATION OF DREDGE FILL AREA
- APPROX. LOCATION OF SAND AND DREDGE FILL AREA
- ESTIMATED AREA OF 2,3,7,8-TCDD TEQ CONCENTRATIONS GREATER THAN THE PRELIMINARY CLEANUP LEVEL OF 1.10E-05 MG/KG
- (S) INACTIVE WASH WATER SUMP
- (S) FORMER WASH WATER SUMP
- 2013 SOIL BORING LOCATION
- 2013 SHALLOW GROUNDWATER MONITORING WELL
- 2.05E-06 2,3,78-TCDD TEQ CONCENTRATIONS IN THE SOIL

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Drawing: ESTIMATED AREAS OF DIOXIN-IMPACTED SOIL

Date	January 30, 2014	Scale	AS SHOWN
File Name	01-34	Project No.	101.00205.00030

Fig. No. 34

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F: 425-402-8488

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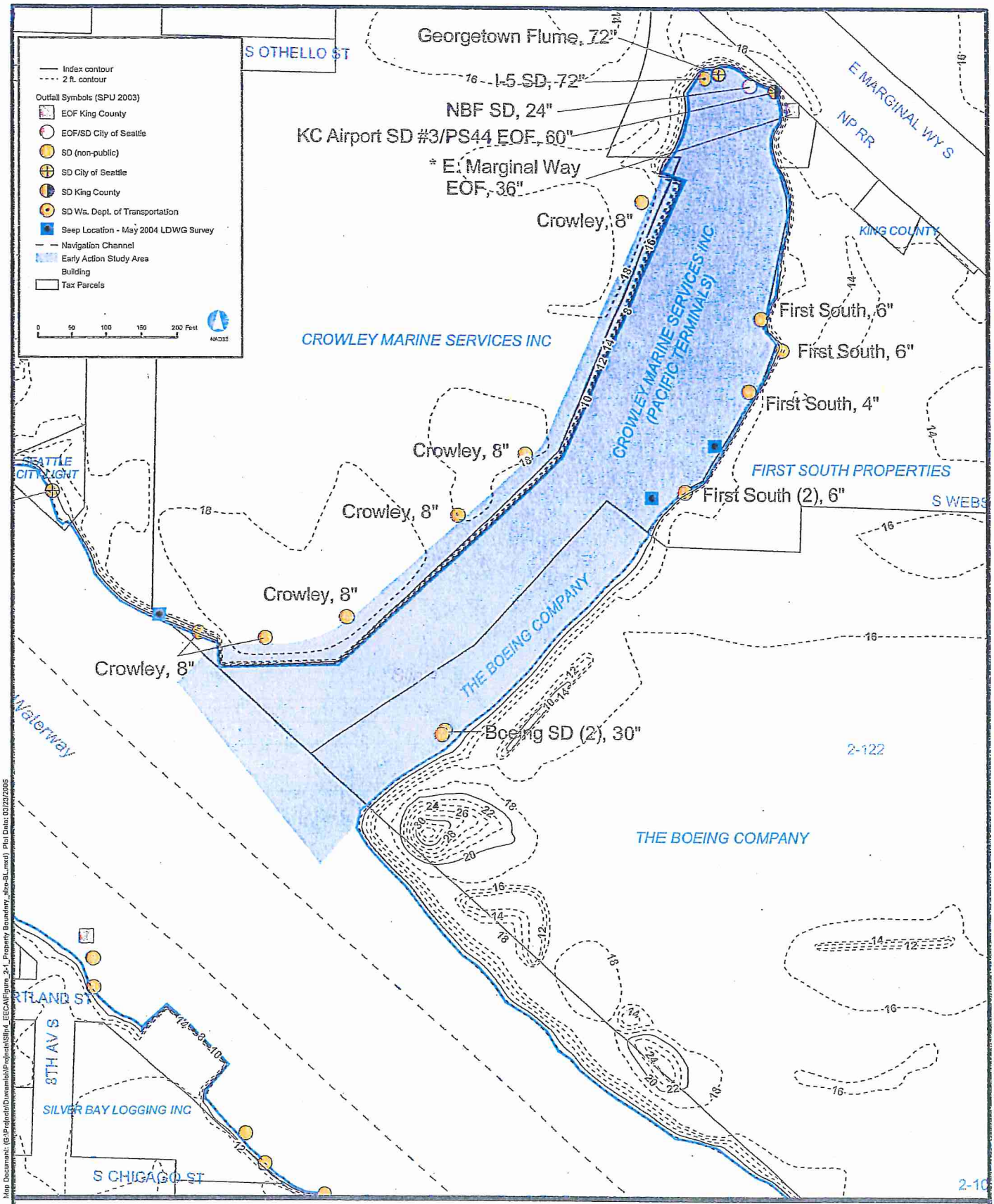


Map Document: (G:\Projects\Duwamish\Projects\Slip4_EECA\Figure_2-1_Property Boundary_slip-BL.mxd) Plot Date: 03/23/2006

Figure 4. Slip 4 Outfalls

Adapted from: Integral 2006

* East Marginal Way EOF not observed during SPU (2003) survey: location based on King County coordinates.

Map Feature Sources: King County GIS, Seattle Public Utilities, USACE, Ecology, Windward Environmental, and others.

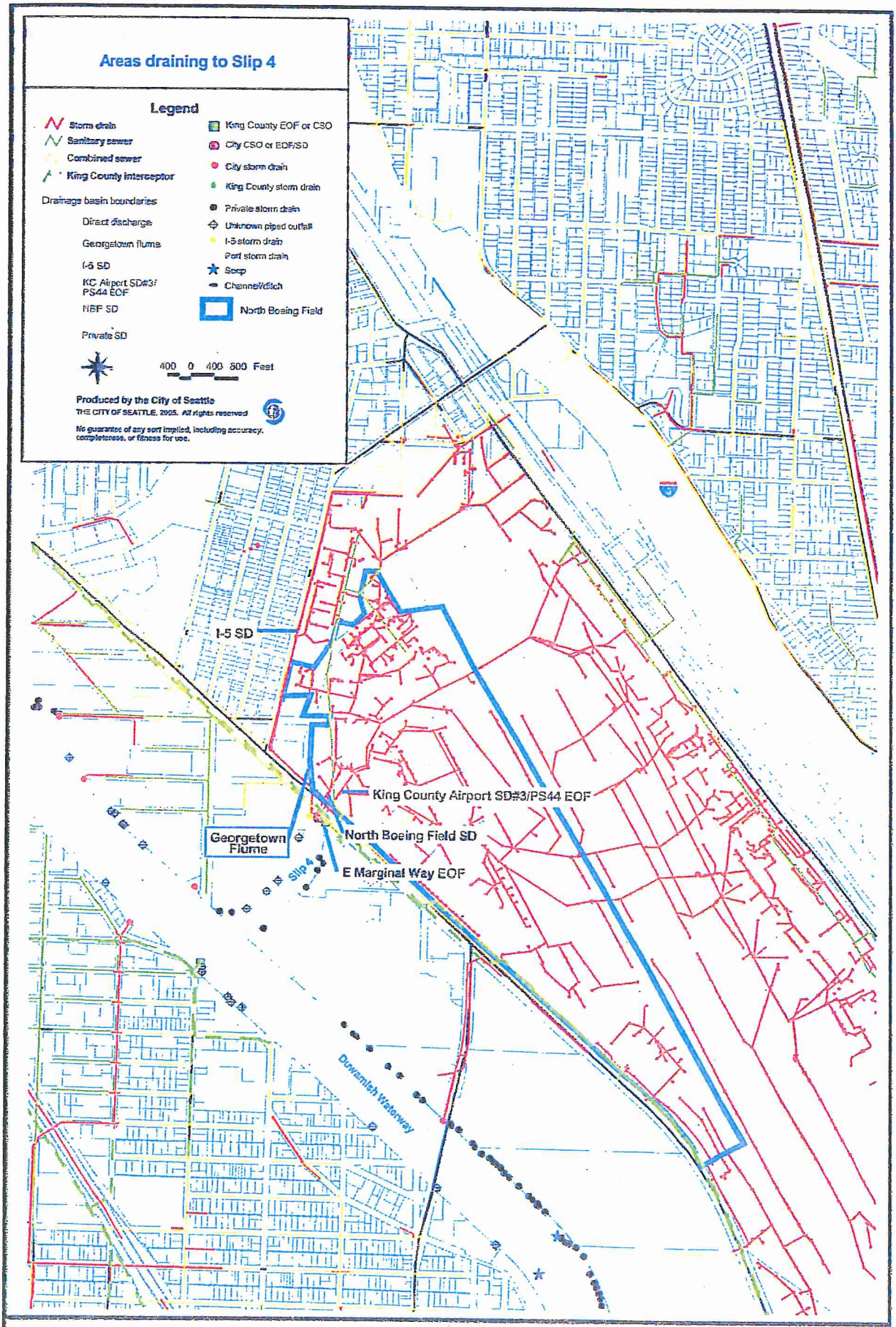


Figure 5. Slip 4 Drainage Basin
Adapted from: City of Seattle 2006

Table B-1
Potential Soil ARARs Included in Preliminary Screening Level Selection
8th Avenue Terminals, Inc. Site
Seattle, Washington

ARAR ID	Media-MTCA Standard	Pathways - ARARs [a]
A	PQL	Laboratory practical quantitation limit
B	Soil Method A	Method A, Unrestricted, Land Use-HH, WAC 173-340-740(2)(b)(iii) CLARC Database/ Table 740-1
C		Method A, Unrestricted, Land Use-Ecol, WAC 173-340-740(2)(b)(ii); Table 749-2 (Simplified TEE)
D		Method A, Industrial, Land Use-HH, WAC 173-340-745(3)(b)(i) CLARC Database/ Table 745-1
E		Method A, Industrial, Land Use-Ecol, WAC 173-340-745(3)(b)(iii) Table 749-2 (Simplified TEE)
F	Soil Method B	Direct Contact, Method B-HH, Carcinogen, WAC 173-340-740(3)(b)(iii)(B)(II) CLARC Database, EQ. 740-2
G		Direct Contact, Method B-HH, Non-carcinogen, WAC 173-340-740(3)(b)(iii)(B)(I) CLARC Database, EQ. 740-1
H		Direct Contact, Method B-HH, Petroleum Mixture, WAC 173-340-740(3)(b)(iii)(B)(III), EQ. 740-3, (4-Phase Model)
I		Site Specific Wildlife Exposure, Model, WAC 173-340-7493(3), Table 749-4 & 5
J		Soil Terrestrial Method B-Ecol, WAC 173-340-740(3)(b)(ii); WAC 173-340-7493, Table 749-3, PLANTS, (Site-Specific TEE)
K		Soil Terrestrial Method B-Ecol, WAC 173-340-740(3)(b)(ii); WAC 173-340-7493, Table 749-3, Soil Biota, (Site-Specific TEE)
L		Soil Terrestrial Method B-Ecol, WAC 173-340-740(3)(b)(ii); WAC 173-340-7493, Table 749-3 Wildlife (Site-Specific TEE)
M	Soil Method C	Direct Contact, Method C-HH, Carcinogen, WAC 173-340-745(5)(b)(iii)(B)(II), Ingestion Only, CLARC Database, EQ. 745-2
N		Direct Contact, Method C-HH, Non-carcinogen, WAC 173-340-745(5)(b)(iii)(B)(I), Ingestion Only, CLARC Database, EQ. 745-1
O		Direct Contact, Method C-HH, Carcinogen, WAC 173-340-745(5)(c)(iii)(B) Ingestion + Dermal EQ. 745-5
P		Direct Contact, Method C-HH, Non-carcinogen, WAC 173-340-745(5)(c)(iii)(A) Ingestion + Dermal EQ. 745-4
Q		Direct Contact, Method C-HH, Petroleum Mixture, WAC 173-340-745(5)(b)(iii)(B)(III), EQ. 740-3, (4-Phase Model)
R	Soil Pathway Evaluation	Soil to Method B-HH Groundwater Protection - NC, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 CLARC Database Vadose Soil
S		Soil to Method B-HH Groundwater Protection -NC, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 CLARC Database Saturated Soil
T		Soil to Method B-HH Groundwater Protection - Carc, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 CLARC Database Vadose Soil
U		Soil to Method B-HH Groundwater Protection - Carc, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 CLARC Database Saturated Soil
V		Soil to Method C-HH Groundwater Protection - NC, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 Vadose Soil
W		Soil to Method C-HH Groundwater Protection - NC, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 Saturated Soil
X		Soil to Method C-HH Groundwater Protection - Carc, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 Vadose Soil

Table B-1
Potential Soil ARARs Included in Preliminary Screening Level Selection
8th Avenue Terminals, Inc. Site
Seattle, Washington

ARAR ID	Media-MTCA Standard	Pathways - ARARs [a]
Y	Soil Pathway Evaluation	Soil to Method C-HH Groundwater Protection - Carc, WAC 173-340-740(3)(b)(iii)(A), EQ. 747-1/ 747-2 Saturated Soil
Z		Soil to Sediment Protection, Ecology CSL, WAC 173-340-740(1)(d), EQ. 747-1/ 747-2 Vadose Soil
AA		Soil to Sediment Protection Ecology SQS, WAC 173-340-740(1)(d), EQ. 747-1/ 747-2 Vadose Soil
AB		Soil to Sediment Protection Ecology CSL, WAC 173-340-740(1)(d), EQ. 747-1/ 747-2 Saturated Soil
AC		Soil to Sediment Protection Ecology SQS, WAC 173-340-740(1)(d), EQ. 747-1/ 747-2 Saturated Soil
AD		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Fresh - Acute Vadose Soil
AE		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Fresh - Acute Saturated Soil
AF		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Fresh - Chronic Vadose Soil
AG		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Fresh - Chronic Saturated Soil
AH		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Marine - Acute Vadose Soil
AI		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Marine - Acute Saturated Soil
AJ		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Marine - Chronic Vadose Soil
AK		Soil to Surface Water Protection Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA, WAC 173-340-730(2)(b)(i)(A), Marine - Chronic Saturated Soil
AL		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Saltwater, Acute, EQ. 747-1/ 747-2 Vadose Soil
AM		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Saltwater, Acute, EQ. 747-1/ 747-2 Saturated Soil
AN		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Saltwater Chronic, EQ. 747-1/ 747-2 Vadose Soil
AO		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Saltwater Chronic, EQ. 747-1/ 747-2 Saturated Soil
AP		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Freshwater Acute, EQ. 747-1/ 747-2 Vadose Soil
AQ		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Freshwater Acute, EQ. 747-1/ 747-2 Saturated Soil
AR		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Freshwater Chronic, EQ. 747-1/ 747-2 Vadose Soil
AS		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC Freshwater Chronic, EQ. 747-1/ 747-2 Saturated Soil
AT		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC HH-Consumption Organisms, EQ. 747-1/ 747-2 Vadose Soil
AU		Soil to Surface Water Protection, WAC 173-340-740(1)(d), NRWQC HH-Consumption Organisms, EQ. 747-1/ 747-2 Saturated Soil

Table B-1
Potential Soil ARARs Included in Preliminary Screening Level Selection
8th Avenue Terminals, Inc. Site
Seattle, Washington

ARAR ID	Media-MTCA Standard	Pathways - ARARs [a]
AV	Soil Pathway Evaluation	Soil to Surface Water Protection Aquatic Life Fresh/Acute, NTR - 40 CFR 131.36, Vadose Soil
AW		Soil to Surface Water Protection Aquatic Life Fresh/Acute, NTR - 40 CFR 131.36, Saturated Soil
AX		Soil to Surface Water Protection Aquatic Life Fresh/Chronic, NTR - 40 CFR 131.36, Vadose Soil
AY		Soil to Surface Water Protection Aquatic Life Fresh/Chronic, NTR - 40 CFR 131.36, Saturated Soil
AZ		Soil to Surface Water Protection Aquatic Life Marine/Acute, NTR - 40 CFR 131.36, Vadose Soil
BA		Soil to Surface Water Protection Aquatic Life Marine/Acute, NTR - 40 CFR 131.36, Saturated Soil
BB		Soil to Surface Water Protection, Aquatic Life Marine/Chronic, NTR - 40 CFR 131.36, Vadose Soil
BC		Soil to Surface Water Protection, Aquatic Life Marine/Chronic, NTR - 40 CFR 131.36, Saturated Soil
BD		Soil to Surface Water Protection HH - Fresh Water Organism Consumption Only, NTR - 40 CFR 131.36 (WAC 173-201A-040[5]), HH - 10-6 Carc Risk Vadose Soil
BE		Soil to Surface Water Protection HH - Fresh Water Organism Consumption Only, NTR - 40 CFR 131.36 (WAC 173-201A-040[5]), HH - 10-6 Carc Risk Saturated Soil
BF		Soil Protective of Vapor, Direct Contact, WAC 173-340-740(3)(b)(iii)C
BG		Soil Protective of Vapor, Indoor/Ambient Exposure, WAC 173-340-740(3)(c)(iv)(B)
BH	Soil Potential ARARs	CERCLA, EPA Regional Screening Level (RSL; May, 2010) Residential
BI		CERCLA, EPA Regional Screening Level (RSL; May, 2010) Industrial
BJ		CERCLA - National Oil & Hazardous Substances Pollution Contingency Plan (NCP) - 40 CFR 300, Preliminary Remediation/Cleanup Goals (PRG's) (2007)
BK		Soil Protection of Surface Water HH – Organoleptic Effects CWA §304 NRWQC Vadose Soil
BL		Soil Protection of Surface Water HH – Organoleptic Effects CWA §304 NRWQC Saturated Soil
BM		CA EPA OEHHA, HH-Direct Exposure, Residential Screening Levels
BN		CA EPA OEHHA, HH-Direct Exposure, Industrial Screening Levels
BO		Soil - Toxics Substances Control Act, (TSCA), 40 CFR 761.61
BP		CERCLA, EPA Regional Screening Level (RSL; May, 2010), Potable Groundwater Protection (Risk Based) Saturated Soil
BQ		EPA, LDW Plant 2 TMCL's, Groundwater Protection (Risk Based)
BR		Natural Background Levels, Ch. 173-340 WAC

Notes:

[a] Values based on protection of surface water for human consumption were excluded.

Table B-2
Potential Surface Water and Groundwater ARARs Included in Preliminary Screening Level Selection
8th Avenue Terminals, Inc. Site
Seattle, Washington

ARAR ID	Media-MTCA Standard	Pathways - ARARs [a]
A	PQL	Laboratory practical quantitation limit
B	Surface Water Method A	Surface Water, Method A - HH ARAR's, WAC 173-340-730(2)(b)(i)
C		Surface Water, Method A - WAC 173-340-730(2)(b)(i)(A)
D		Surface Water, Method A - HH/ Aquatic Organisms: CWA §304, WAC 173-340-730(2)(b)(i)(B)
E		Surface Water, Method A - HH NTR - 40 CFR 131, WAC 173-340-730(2)(b)(i)©
F		Surface Water, Method A - HH No Table Values, WAC 173-340-730(2)(b)(iii) (Applicable SW background or PQL values)
G	Surface Water Method B	Surface Water, Method B - HH ARAR's, WAC 173-340-730(3)(b)(i)
H		Surface Water, Method B - WA WQS:Ch. 173-2101 A, WAC 173-340-730(3)(b)(i)(A)
I		Surface Water, Method B - HH/ Aquatic Organisms: CWA §304, WAC 173-340-730(3)(b)(i)(B)
J		Surface Water, Method B - HH NTR - 40 CFR 131, WAC 173-340-730(3)(b)(i)(C)
K		Surface Water, Method B, Environmental Effects, WAC 173-340-730(3)(b)(ii)
L		Surface Water, Method B-HH, Non-carcinogen, Fish Consumption WAC 173-340-730(3)(b)(iii)(A), EQ. 730-1 CLARC Database
M		Surface Water, Method B-HH, Non-carcinogen, Fish Consumption WAC 173-340-730(3)(c), EQ. 730-1 MOD - Tribal Adult
N		Surface Water, Method B-HH, Non-carcinogen, Fish Consumption WAC 173-340-730(3)(c), EQ. 730-1 MOD - Tribal Child
O		Surface Water, Method B-HH, Carcinogen, Fish Consumption WAC 173-340- 730(3)(b)(iii)(B), EQ. 730-2, CLARC Database
P		Surface Water, Method B-HH, Carcinogen, Fish Consumption WAC 173-340-730(3)(b)(iii)(B), EQ. 730-2, MOD - Tribal Adult
Q		Surface Water, Method B-HH, Carcinogen, Fish Consumption WAC 173-340-730(3)(b)(iii)(B), EQ. 730-2, MOD - Tribal Child
R		Surface Water, Method B-HH Petroleum Mixture, WAC 173-340-730(3)(b)(iii)(C)
S	Surface Water Method C	Surface Water, Method C - HH ARAR's, WAC 173-340-730(4)(b)(i)
T		Surface Water, Method C, Environmental Effects, WAC 173-340-730(4)(b)(ii)
U	Surface Water Method C	Surface Water, Method C, Non-carcinogen, Fish Consumtion, WAC 173-340-730(4)(b)(iii)(A) EQ. 730-1 CLARC Database
V		Surface Water, Method C, Carcinogen, Fish Consumption WAC 173-340-730(4)(b)(iii)(B) EQ. 730-2 CLARC Database
W		Surface Water, Method C, Petroleum Mixture, WAC 173-340-730(4)(b)(iii)(C)
X	Groundwater Method A	Ground Water, Method A-HH, Potable (Table 720-1), WAC 173-340-720(3)(b)(i)
Y		Ground Water Method A - HH Potable ARAR's, WAC 173-340-720(3)(b)(ii)
Z		Groundwater State Quality Criteria, WAC 173-340-720(3)(b)(ii); WAC 173-200-040(3) Table 9.1
AA		Ground Water Method A-HH-Potable Safe Drinking Water Act, 40 CFR 141: WAC 173-290-310; WAC 173-340-720(3)(b)(ii)(A) MCL
AB		Ground Water Safe Drinking Water Act, 40 CFR 141: WAC 173-290-310; WAC 173-340-720(3)(b)(ii)(B) MCLG (Non-Zero Goals)
AC		Ground Water State Board Health, Ch. 246-290 WAC: WAC 173-340-720(3)(b)(ii)(C), MCL
AD		Ground Water, State Board Health, Ch. 246-290 WAC: WAC 173-340-720(3)(b)(ii)(C), MCG
AE		Ground Water Method A - Potable, No Table Values WAC 173-340-720(3)(b)(iii)
AF		Ground Water, Method A-HH, Potable/Protect Surface Water, WAC 173-340-720(3)(b)(iv)
AG	Groundwater Method B	Ground Water Method B - HH Potable ARAR's, WAC 173-340-720(4)(b)(i), Safe Drinking Water Standards - MCLs
AH		Ground Water Method B - HH Potable ARAR's, WAC 173-340-720(4)(b)(i), Safe Drinking Water Standards MCGs
AI		Ground Water Method B - HH Potable ARAR's, WAC 173-340-720(4)(b)(i), State Department of Health Standards - MCLs
AJ		Ground Water Method B - HH Potable ARAR's, WAC 173-340-720(4)(b)(i), State Department of Health Stanadrds - MCGs
AK		Ground Water, Method B-HH, Non-carcinogenic/Potable, WAC 173-340-720(4)(b)(iii)(A) CLARC Database
AL		Ground Water, Method B-HH, Carcinogen/Potable, WAC 173-340-720(4)(b)(iii)(B) CLARC Database
AM		Ground Water, Method B-HH, Potable, Petroleum Mixture, WAC 173-340-720(4)(b)(iii)(C), EQ. 720-3 (4-Phase Model)
AN		Ground Water Method C - HH Potable ARAR's, WAC 173-340-720(5)(b)(i)

Table B-2
Potential Surface Water and Groundwater ARARs Included in Preliminary Screening Level Selection
8th Avenue Terminals, Inc. Site
Seattle, Washington

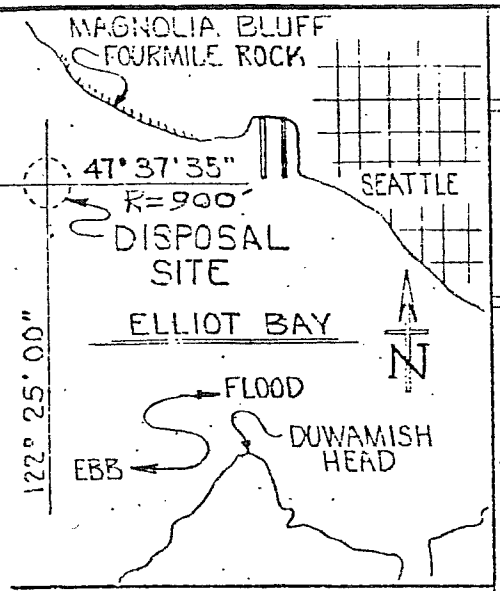
ARAR ID	Media-MTCA Standard	Pathways - ARARs [a]
AO	Groundwater Method C	Ground Water, Method C-HH, Protect Surface Water Highest Beneficial Use, WAC 173-340-720(5)(b)(ii)
AP		Ground Water, Method C-HH, Non-carcinogenic/Potable, WAC 173-340-720(5)(b)(iii)(A) CLARC Database
AQ		Ground Water, Method C-HH, Carcinogen/ Potable WAC 173-340-720(5)(b)(iii)(B) CLARC Database
AR		Ground Water, Method C-HH, Potable, Petroleum Mixture, WAC 173-340-720(5)(b)(iii)(C), EQ. 720-3 (4-Phase Model)
AS	Surface Water Method A,B,C Required ARARs	Surface Water Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA WAC 173-340-730(2)(b)(i)(A) Fresh - Acute
AT		Surface Water Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA WAC 173-340-730(2)(b)(i)(A), Fresh - Chronic
AU		Surface Water Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA WAC 173-340-730(2)(b)(i)(A), Marine - Acute
AV		Surface Water Aquatic Life, SWQS:RCW 90-48; Ch. 173-201A-240 per MTCA WAC 173-340-730(2)(b)(i)(A), Marine - Chronic
AW		Surface Water HH – Consumption; Organism Only (Marine), CWA §304 NRWQC
AX		Surface Water HH – Organoleptic Effects, CWA §304 NRWQC
AY		Surface Water Aquatic Life Fresh/Acute, CWA §304, NRWQC
AZ		Surface Water Aquatic Life Fresh/Chronic, CWA §304, NRWQC
BA		Surface Water Aquatic Life Marine/Acute, CWA §304, NRWQC
BB		Surface Water Aquatic Life Marine/Chronic, CWA §304, NRWQC
BC		Surface Water Aquatic Life Fresh/Acute, NTR - 40 CFR 131.36
BD		Surface Water Aquatic Life Fresh/Chronic, NTR - 40 CFR 131.36
BE		Surface Water Aquatic Life Marine/Acute, NTR - 40 CFR 131.36
BF		Surface Water Aquatic Life Marine/Chronic, NTR - 40 CFR 131.36
BG		Surface Water HH - Fresh Water Organism Consumption Only, NTR - 40 CFR 131.36 (WAC 173-201A-040[5]), HH - 10-6 Carc Risk
BH		Surface Water HH - Marine Water Organism Consumption Only NTR - 40 CFR 131.36 (WAC 173-201A-040[5]), HH - 10-6 Carc Risk
BI	Surface Water ARARs	Surface Water Discharge (NPDES), 40 CFR 122,125/ RCW 90-48; WAC 173-216,-220, -122
BJ		Waste Water - Toxics Substances Control Act (TSCA), 40 CFR 761.61
BK		Shoreline Management Act RCW 90-58; WAC 173-16; King County/City Seattle Shoreline Master Plans (KCC Title 25;SMC 23.60)
BL		Groundwater to Sediment Protection Ecology CSL WAC 173-340-730(1)(d)
BM		Groundwater to Sediment Protection Ecology SQS WAC 173-340-730(1)(d)
BN		Surface Water HH - Adult, Non-Carcinogen, Tribal Fish Consumption w/o Salmon, EPA RCRA (using EQ 730-1)
BO		Surface Water HH - Child, Non-Carcinogen, Tribal Fish Consumption w/o Salmon, EPA RCRA (using EQ 730-1)
BP		Surface Water HH - Adult, Carcinogen, Tribal Fish Consumption w/o Salmon EPA RCRA (using EQ 730-2)
BQ		Surface Water HH - Child, Carcinogen, Tribal Fish Consumption w/o Salmon EPA RCRA (using EQ 730-2)
BV		Natural Background Levels, Ch. 173-340 WAC

Notes:

[a] Values based on protection of surface water for human consumption were excluded.

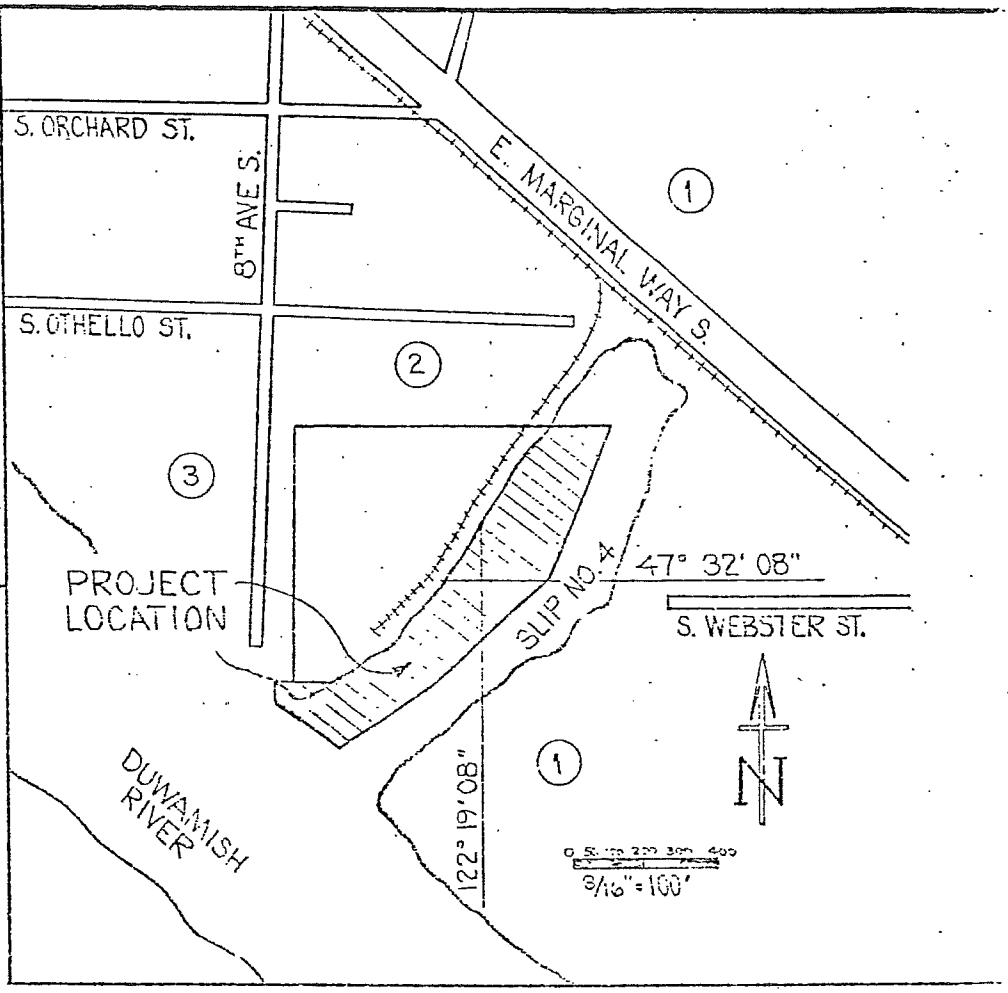
Table B-3
Potential Sediment ARARs Included in Preliminary Screening Level Selection
8th Avenue Terminals, Inc. Site
Seattle, Washington

ARAR ID	Media-MTCA Standard	Pathways - ARARs
A	PQL	Laboratory practical quantitation limit
C	SEDIMENT Required ARAR (Marine Waters)	SMS SQS WAC 173-340-760
E		SMS CSL WAC 173-340-760
AD	Puget Sound Dredge Disposal Analysis (PSDDA) (Marine Waters)	Sediment Evaluation Framework (SEF) Screening Level (SL1) Marine (2005)
AE		Sediment Evaluation Framework (SEF) Screening Level (SL2) Marine (2005)
AH		PSDDA /DMMP Screening Level Marine (2011)
AI		PSDDA /DMMP Bioaccum-ulation Trigger (BT) Marine (2003)
AJ		PSDDA /DMMP Maximum Level (ML) Marine (1998)
AK	SEDIMENT POTENTIAL ARAR's	CERCLA/MTCA HH Risk Based Threshold Concentrations 40 CFR 160 LDW
AL		CERCLA/MTCA HH Risk Based Threshold Concentrations 40 CFR 160 LDW (Netfishing)
AM		CERCLA/MTCA HH Risk Based Threshold Concentrations 40 CFR 160 LDW (Beach Play & Clam Fishing)
BA		Natural Background Levels, Ch. 173-340 WAC



VICINITY MAP

DISPOSAL SITE



VICINITY MAP

PROJECT LOCATION

NO FEDERAL PIERHEAD LINES ESTABLISHED

PURPOSE: TO ESTABLISH A SAFE DEPTH FOR COMMERCIAL MARINE TRAFFIC.

DATUM: M.L.L.W. = 0.00 N.O.S.

ADJACENT PROPERTY OWNERS:

1. BOEING AIRCRAFT CO., 7755 E. MARGINAL WAY S. SEATTLE, WA. 98108
2. LAYRITE CONCRETE PRODUCTS CO., 7265 E. MARGINAL WAY S. SEATTLE, WA. 98108
3. PUGET SOUND TRUCK LINES, 3720 AIRPORT WAY S. SEATTLE, WA. 98108

OTI-OYB-2-006580-R

PROPOSED DREDGING & DEEP WATER DISPOSAL

IN DUWAMISH RIVER

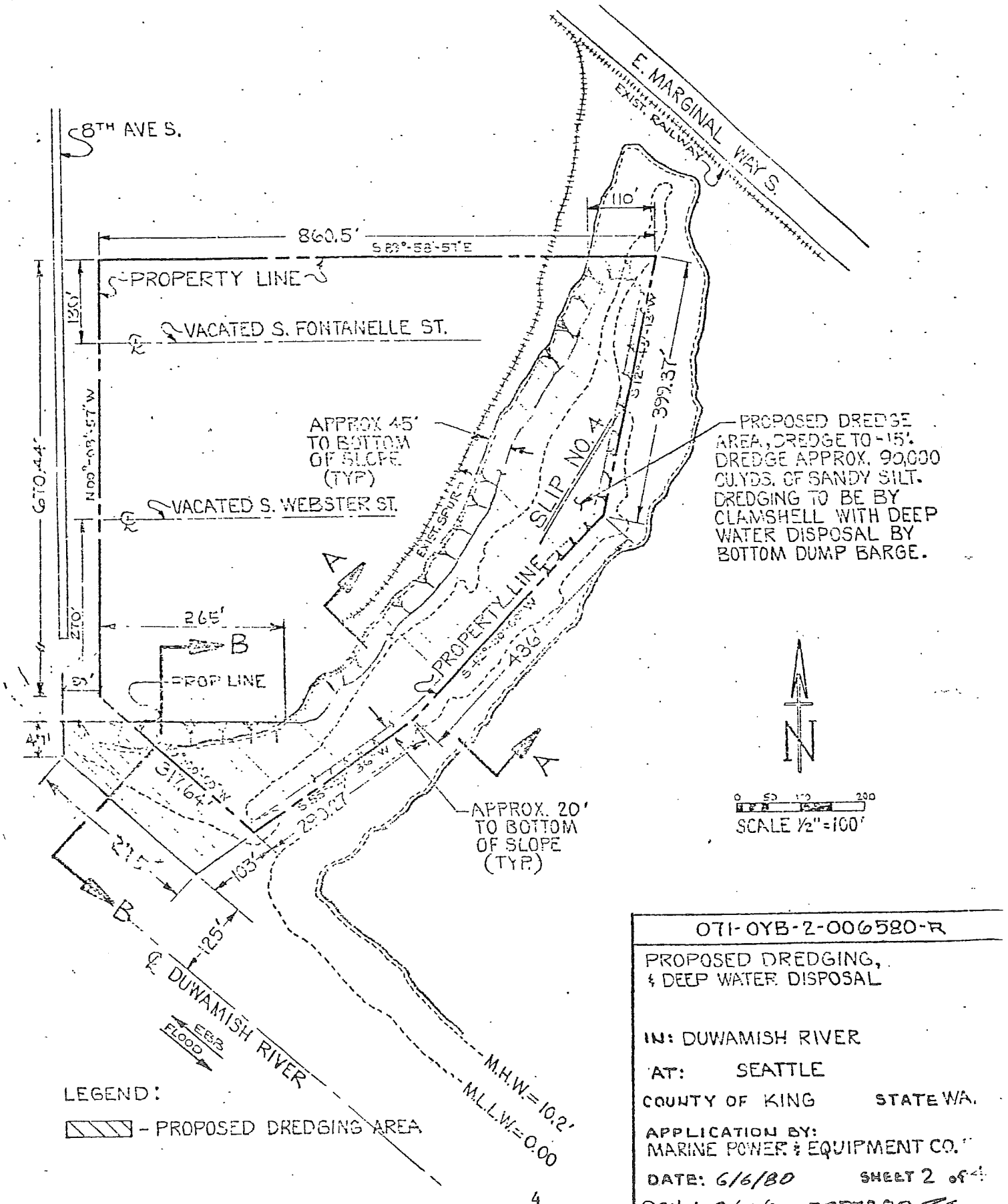
AT SEATTLE

COUNTY OF KING STATE WA.

APPLICATION BY MARINE POWER & EQUIP CO., INC.

SHEET 1 OF 4 DATE 6/16/80

REV 8/29/80, REV



071-0YB-2-006580-R

PROPOSED DREDGING, & DEEP WATER DISPOSAL

IN: DUWAMISH RIVER

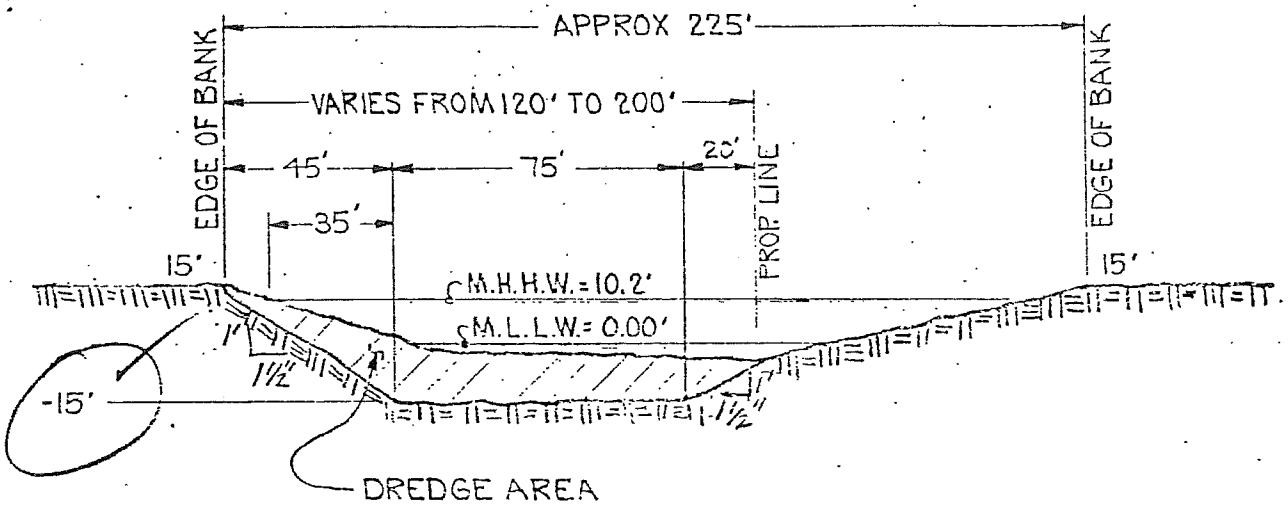
AT: SEATTLE

COUNTY OF KING STATE WA.

APPLICATION BY:
MARINE POWER & EQUIPMENT CO.

DATE: 6/6/80 SHEET 2 of 4

REV 1. 8/28/80, 30 DEC 80



SECTION A-A

0 10 25 50 100

SCALE: 1" = 50'-0"

071-0YB-2-006580-R

PROPOSED DREDGING & DEEP WATER DISPOSAL

IN: DUWAMISH RIVER

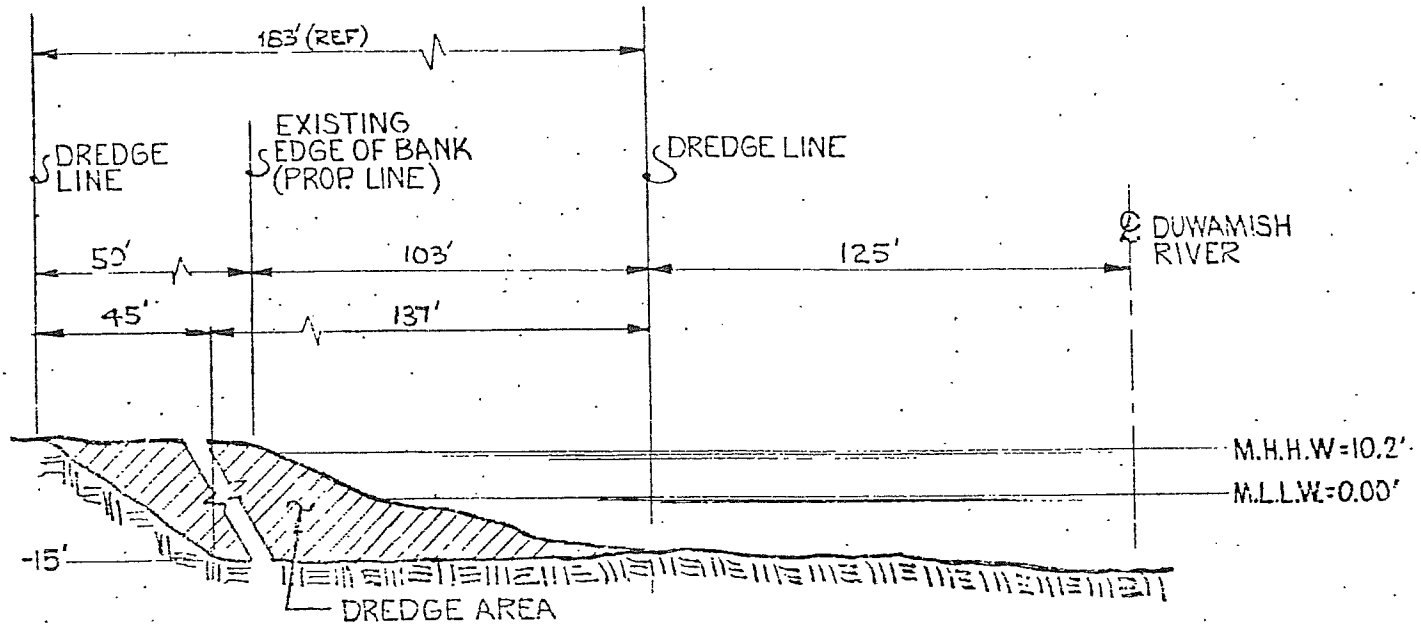
AT: SEATTLE

COUNTY OF KING STATE WA.

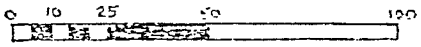
APPLICATION BY:
MARINE POWER & EQUIP. CO. INC.

DATE: 5/6/80 SHEET 3 of 4

REV 1 8/28/80, 300 TO 50 FT



SECTION B-B



SCALE: 1"=50'-0"

071-0YB-2-006580-R

PROPOSED DREDGING & DEEP WATER DISPOSAL

IN DUWAMISH RIVER
AT SEATTLE
COUNTY OF KING STATE WA

APPLICATION BY
MARINE POWER & EQUIP CO. INC.
SHEET 4 OF 4 DATE 6/6/80
REV 1 8/25/80, 20 DEC 80

DEPARTMENT OF THE ARMY
SEATTLE DISTRICT, CORPS OF ENGINEERS
P.O. BOX C-3755
SEATTLE, WASHINGTON 98124

NPSOP-RF

27 JAN 1981

Marine Power & Equipment Co., Inc.
[illegible]

Reference: [illegible]

Inclosed is a Department of the Army permit which authorizes performance of the work described in your referenced application.

You are cautioned that any change in the location or plans of the work will require submittal of a revised plan to this office for approval prior to accomplishment.

Your attention is drawn to conditions "o" and "n" of the permit which specify the expiration dates for both commencement and completion of the work and that you notify this office of the dates the work is started and completed.

Sincerely yours,

Gerald A Keller

GERALD A. KELLER
Chief, Regulatory Functions Branch

1 Incl
As stated
CF:
Compliance File

NPS FL 199
AUG 80

Application No. 071-OYB-2-006 J

Name of Applicant Marine Power & Equipment Company

Effective Date 27 JAN 1981

Expiration Date (If applicable) See General Condition c

DEPARTMENT OF THE ARMY
PERMIT

Referring to written request dated 1 May 1980 for a permit to:

(X) Perform work in or affecting navigable waters of the United States, upon the recommendation of the Chief of Engineers, pursuant to Section 10 of the Rivers and Harbors Act of March 3, 1899 (33 U.S.C. 403);

(X) Discharge dredged or fill material into waters of the United States upon the issuance of a permit from the Secretary of the Army acting through the Chief of Engineers pursuant to Section 404 of the Federal Water Pollution Control Act (86 Stat. 816, P.L. 92-500);

( ) Transport dredged material for the purpose of dumping it into ocean waters upon the issuance of a permit from the Secretary of the Army acting through the Chief of Engineers pursuant to Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (86 Stat. 1052; P.L. 92-532);

Marine Power & Equipment Company
1441 N. Northlake Way
Seattle, Washington

is hereby authorized by the Secretary of the Army:

to dredge approximately 85,000 cubic yards of sandy silt by clamshell; dredge material to be deposited at deep water site in Elliott Bay (Provide adequate water depth for safe vessel movement)

in Duwamish River

at Seattle, Washington

in accordance with the plans and drawings attached hereto which are incorporated in and made a part of this permit (on drawings: give file number or other definite identification marks.)

071-OYB-2-006580, 4 sheets

subject to the following conditions:

I. General Conditions:

a. That all activities identified and authorized herein shall be consistent with the terms and conditions of this permit; and that any activities not specifically identified and authorized herein shall constitute a violation of the terms and conditions of this permit which may result in the modification, suspension or revocation of this permit, in whole or in part, as set forth more specifically in General Conditions j or k hereto, and in the institution of such legal proceedings as the United States Government may consider appropriate, whether or not this permit has been previously modified, suspended or revoked in whole or in part.

SAC 12

b. That all activities authorized herein shall, if they involve, during their construction or operation, any discharge of pollutants into waters of the United States or ocean waters, be at all times consistent with applicable water quality standards, effluent limitations and standards of performance, prohibitions, pretreatment standards and management practices established pursuant to the Federal Water Pollution Control Act of 1972 (P.L. 92-500; 86 Stat. 816), the Marine Protection, Research and Sanctuaries Act of 1972 (P.L. 92-532, 86 Stat. 1052), or pursuant to applicable State and local law.

c. That when the activity authorized herein involves a discharge during its construction or operation, of any pollutant (including dredged or fill material), into waters of the United States, the authorized activity shall, if applicable water quality standards are revised or modified during the term of this permit, be modified, if necessary, to conform with such revised or modified water quality standards within 6 months of the effective date of any revision or modification of water quality standards, or as directed by an implementation plan contained in such revised or modified standards, or within such longer period of time as the District Engineer, in consultation with the Regional Administrator of the Environmental Protection Agency, may determine to be reasonable under the circumstances.

d. That the discharge will not destroy a threatened or endangered species as identified under the Endangered Species Act, or endanger the critical habitat of such species.

e. That the permittee agrees to make every reasonable effort to prosecute the construction or operation of the work authorized herein in a manner so as to minimize any adverse impact on fish, wildlife, and natural environmental values.

f. That the permittee agrees that he will prosecute the construction or work authorized herein in a manner so as to minimize any degradation of water quality.

g. That the permittee shall permit the District Engineer or his authorized representative(s) or designee(s) to make periodic inspections at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.

h. That the permittee shall maintain the structure or work authorized herein in good condition and in accordance with the plans and drawings attached hereto.

i. That this permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and that it does not authorize any injury to property or invasion of rights or any infringement of Federal, State, or local laws or regulations nor does it obviate the requirement to obtain State or local assent required by law for the activity authorized herein.

j. That this permit may be summarily suspended, in whole or in part, upon a finding by the District Engineer that immediate suspension of the activity authorized herein would be in the general public interest. Such suspension shall be effective upon receipt by the permittee of a written notice thereof which shall indicate (1) the extent of the suspension, (2) the reasons for this action, and (3) any corrective or preventative measures to be taken by the permittee which are deemed necessary by the District Engineer to abate imminent hazards to the general public interest. The permittee shall take immediate action to comply with the provisions of this notice. Within ten days following receipt of this notice of suspension, the permittee may request a hearing in order to present information relevant to a decision as to whether his permit should be reinstated, modified or revoked. If a hearing is requested, it shall be conducted pursuant to procedures prescribed by the Chief of Engineers. After completion of the hearing, or within a reasonable time after issuance of the suspension notice to the permittee if no hearing is requested, the permit will either be reinstated, modified or revoked.

k. That this permit may be either modified, suspended or revoked in whole or in part if the Secretary of the Army or his authorized representative determines that there has been a violation of any of the terms or conditions of this permit or that such action would otherwise be in the public interest. Any such modification, suspension, or revocation shall become effective 30 days after receipt by the permittee of written notice of such action which shall specify the facts or conduct warranting same unless (1) within the 30-day period the permittee is able to satisfactorily demonstrate that (a) the alleged violation of the terms and the conditions of this permit did not, in fact, occur or (b) the alleged violation was accidental, and the permittee has been operating in compliance with the terms and conditions of the permit and is able to provide satisfactory assurances that future operations shall be in full compliance with the terms and conditions of this permit; or (2) within the aforesaid 30-day period, the permittee requests that a public hearing be held to present oral and written evidence concerning the proposed modification, suspension or revocation. The conduct of this hearing and the procedures for making a final decision either to modify, suspend or revoke this permit in whole or in part shall be pursuant to procedures prescribed by the Chief of Engineers.

l. That in issuing this permit, the Government has relied on the information and data which the permittee has provided in connection with his permit application. If, subsequent to the issuance of this permit, such information and data prove to be false, incomplete or inaccurate, this permit may be modified, suspended or revoked, in whole or in part, and/or the Government may, in addition, institute appropriate legal proceedings.

m. That any modification, suspension, or revocation of this permit shall not be the basis for any claim for damages against the United States.

n. That the permittee shall notify the District Engineer at what time the activity authorized herein will be commenced, as far in advance of the time of commencement as the District Engineer may specify, and of any suspension of work, if for a period of more than one week, resumption of work and its completion.

ENVIRONMENTAL ASSESSMENT
For Work Authorized in Accordance with Section
10 of the River and Harbor Act of March 3, 1899
and Section 404 of the Clean Water Act
Described in Permit Application No. 071-OYB-2-006580
of Marine Power and Equipment Company

1. The work was coordinated with appropriate state and Federal agencies in accordance with procedures specified in 33 CFR, Parts 320-329.

2. The work is to dredge approximately 85,000 cubic yards of sandy silt by clamshell in the Duwamish River at Seattle, Washington. (Deposit dredged material at deep water site in Elliott Bay.)

3. This application has been reviewed in light of comments received from the public and agency coordination. Evaluation by this office considered relevant factors including esthetics, fish and wildlife values, flood damage prevention, land and shoreline management classifications, conservation, navigation, recreation, water supply, water quality, archeological and historic values, economics, ecological and general environmental considerations, endangered species or their critical habitat, energy needs, safety, food production, and general public welfare. This review has not identified any potentially significant adverse effects for action under the terms of the permit application.

4. The work has been considered with respect to Indian Treaty fishing rights, per the decision reached in United States v. Washington, (384 F. Supp. 312, affirmed 520 F. 2d 676, cert. denied 423 U.S. 1086), as modified in Supreme Court's decision of 2 July 1979. I have determined that the work will not significantly interfere with the Indian fishery, including Indian access to usual and accustomed fishing grounds and opportunity to fish in these areas. I have further determined that the work will not significantly interfere with salmonids, their habitat or promote adverse impacts on fishing success in these areas.

5. I have determined that performance of this work, in accordance with the conditions of the permit, will not significantly affect the quality of the human environment. Further, I have determined that the issuance of this particular permit is a Federal action not having a significant impact on the environment and thus have concluded that the preparation of a formal EIS is not required.

21 Jan 81
Date

LEON K. MORASKI
Colonel, Corps of Engineers
District Engineer

FINDINGS OF FACT

Reference: Marine Power and Equipment Company - 071-0YB-2-006580

Concerning issuance of Department of the Army Permit under Section 10 of the River and Harbor Act of March 3, 1899 (30 Stat. 1151; 33 U.S.C. 403) and Section 404 of the Clean Water Act to dredge approximately 85,000 cubic yards of sandy silt by clamshell in the Duwamish River at Seattle, Washington. (Deposit dredged material at deep water site in Elliott Bay.)

1. I have reviewed and evaluated, in light of the overall public interest, the documents and factors concerning this permit application, as well as the stated views of other interested Federal and non-Federal agencies and the concerned public, relative to the work in navigable waters of the United States.

2. All factors relevant to this work were considered in accordance with our regulations. These factors include, but are not limited to, conservation, economics, esthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use, navigation, recreation, water supply, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

3. The following points are considered pertinent in evaluation of comments received in coordinating the public notice dated 23 June 1980 and drawing revision notice dated 23 September 1980. The revision consisted of modifying the boundary configuration of the proposed dredged area to satisfy a concern expressed by the City of Seattle. On 29 October 1980 the applicant further revised the proposed dredged area boundary configuration to insure dredging operations noninterference with an existing submarine telephone cable.

a. Federal Agencies. The National Oceanic and Atmospheric Administration, the Environmental Protection Agency (EPA) and the Department of the Interior have no objection to the work. EPA, in 10 November 1980 letter, conditioned its nonopposing position advising that the material to be dredged has high concentrations of sulfides. The conditions are:

(1) Loads of dredged material to be dumped at Four Mile Rock Disposal Site will be limited to a volume of 1,000 cubic yards.

(2) In the event of adverse impacts on fisheries resources, due to the nature of the material being dredged, dredging operations will cease and modifications in the dredging procedures to alleviate the problem will be coordinated with EPA.

The applicant, in 3 November 1980 letter to EPA, advised that the conditions outlined in the 10 November 1980 letter will be complied with. The EPA 3 November 1980 letter will be mailed to the permittee as a condition letter.

b. State and Local Agencies. The State of Washington and the City of Seattle, the local governing body, have no objections to the work. The State of Washington, in 22 December 1980 letter, conditioned its nonopposing position with the following requirements:

(1) A water quality modification be obtained from the Department of Ecology prior to commencement of work.

(2) Time Limitation: Construction may be started immediately, and shall be completed by December 31, 1981. A time extension will be considered upon reapplication. However, no dredging shall be accomplished from April 1 to June 15 of any year.

(3) A floating clamshell may be used for dredging. Each pass of the clamshell bucket shall be complete, and there is to be no stockpiling in the water.

(4) Dredging operations shall be conducted at all times in such a manner as to cause little or no disturbance or siltation to the adjacent waters.

(5) Dredged materials shall be deposited at an approved, designated Department of Natural Resources deep water disposal site.

(6) The dredged banks shall be sloped no steeper than 1.5 feet horizontal to each 1.0 foot vertical.

(7) If, at any time, there should be fish in distress, a fish kill, or water quality problems as a result of this project, the dredging operation shall be stopped immediately. The summer and fall may be critical times of low dissolved oxygen.

(8) The following is the limitation of dissolved oxygen:

Allowable dredging - 5.1mg/1 D.O. or over
Cease dredging - 5.0mg/1 D.O. or under

(9) The applicant will be informed if dissolved oxygen does below 5mg/1.

(10) No petroleum products or other deleterious materials shall be allowed to enter state waters as a result of this project.

(11) Any debris resulting from this project shall be removed from the water and disposed of or placed in such a manner to prevent its being washed back into the water by high water or wave action.

(12) Water quality is not to be degraded to the detriment of fish life as a result of this project. Compliance with the quality limits set forth in the Washington State Water Quality Regulations shall be maintained throughout the life of the project.

(13) These provisions shall be closely followed by the contract(s) and the equipment operator(s) and shall be on the job site at all times.

The State of Washington 22 December 1980 letter will be mailed to the permittee with the permit as a condition letter.

Comments of the state and local governmental agencies are predicated upon the applicant's compliance with the State Shoreline Management Act and applicable local laws, regulations and codes governing this work.

c. Treaty Indians. The Muckleshoot Indian Tribe, in 8 July 1980 letter, recommended that dredging be conducted between 15 June and 15 March of the calendar year and advised that tribal members will be fishing for salmonids at the worksite between July and January of the calendar year. The applicant, in 5 December 1980 letter to the Muckleshoot Indian Tribe, advised that the dredging is planned to be performed between 15 June and 15 March of the calendar year with the estimated performance period being during the month of January 1981. The applicant further advised the Muckleshoot Indian Tribe that the necessary precautions will be taken to insure noninterference with the Tribe's commercial fishing activities. The work has been considered with respect to the decision reached in United States v. Washington, (384 F. Supp. 312, affirmed 520 F. 2d 676, cert. denied 423 U.S. 1086), as modified in Supreme Court's decision of 2 July 1979, and it was found that the project will not adversely affect any treaty rights.

d. Individual or Organized Groups. No individual or organized groups have opposed the work. This work is considered to be in the general public interest.

e. Other Considerations: The work will have no significant adverse effect on items recorded in paragraph 2 above. Particular attention was given to the location and general design to prevent possible obstructions to navigation with respect to both the public use and the neighboring proprietors' access to the Duwamish River.

The work will provide an adequate water depth for safe vessel movement.

f. The work was evaluated in accordance with the objectives of the Environmental Protection Agency's Section 404(b) guidelines, contained in the Clean Water Act (40 CFR 230). The technical evaluation considered the following parameters: physical and chemical-biological interactive effects, water quality impacts, selection of disposal sites, and conditioning of discharges

of dredged or fill material. As a result of this evaluation, I have concluded that the discharge will not have significant adverse impacts on the aquatic environment.

4. I find that issuance of this Department of the Army Permit is predicated upon a thorough analysis of the various factors identified herein. The work is deemed to comply with state and local laws, regulations and codes. There are no identified major adverse environmental effects. The work is consonant with National policy, statutes, and administrative directives. The total public interest would best be served by the issuance of a Department of the Army permit.

21 Jan 81
Date

LEON K. MORASKI
Colonel, Corps of Engineers
District Engineer

Marine Power & Equipment
Coastal . . . Marine . . . Electric

1441 North Northlake Way
Seattle, Washington 98103

MElrose 2-1441

December 11, 1980

U.S. Army
Corps of Engineers
Seattle District
P.O. Box C-3755
Seattle, Washington 98124

Attn: Regulatory Functions Branch
Joe Thomer

Re: Permit Application 071-OYB-2-006580

Dear Sir:

The original revision of the subject permit application was in response to concern expressed by Elsie Hulsizer of the City of Seattle, Department of Construction and Land Use. The original plan left a small tip of land sticking out into Slip 4 and she was concerned about erosion of that area.

I agreed to expand the dredging area to cut off that particular tip of land.

After the revision was made I realized that the newly added dredge area was in close proximity to an under water telephone cable which crosses the Duwamish River. To preclude any interference with the subject cable I elected to further revise the dredge area and provided you with the required drawings.

If you have any further questions, please call.

Very truly yours,

MARINE POWER & EQUIPMENT CO., INC.

By 8:23

Bruce H. Klein

RHK:sw

Seattle
Engineering Department
Arthur E. Maronek
Acting Director of Engineering
Charles Royer, Mayor

RE: 071-OYB-2-006580-R
MARINE POWER & EQUIPMENT CO.
25 SEPTEMBER 1980

NOVEMBER 20, 1980

Department of the Army
Seattle District
Corps of Engineers
P. O. Box C-3755
Seattle, Washington 98124

Gentlemen:

The City of Seattle has reviewed the subject Public Notice. Based upon comments which have been received from various City departments, we offer the following statement(s):

1. We have no objection to the proposal as described in the subject Public Notice.

2. The proposal is exempt from the permit requirements of the Shoreline Management Act under the Seattle Shoreline Master Program.

3. The proposal is consistent with the Seattle Shoreline Master Program and Substantial Development Permit No. SMA 80-45 was approved on NOVEMBER 4, 1980.

4. Applicant has applied for a Shorelines Substantial Development Permit. We reserve comments on the proposal until our review of the Shorelines Permit has been completed.

5. Applicant is hereby advised that a Shorelines Substantial Development Permit is required under the Shoreline Management Act of 1971. Application forms are available from the Seattle Department of Construction and Land Use, 503 Municipal Building, Seattle, Washington, 98104. We request that the Department of the Army permit for this proposal be withheld until a Substantial Development Permit is obtained.

6. Other:

Very truly yours,

ARTHUR E. MARONEK
Acting Director of Engineering

By Richard J. Anderson
R. J. ANDERSON, P. E., Manager
Court & Right of Way Division

MC:rt

cc: Dept. of Construction
and Land Use
State Dept. of Ecology

316A

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION X
1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101

REPLY TO ATTN OF: MS 521

NOV 10 1980

District Engineer
Seattle District, C/E
ATTN: Chief, Reg. Func. Branch
P. O. Box C-3755
Seattle, Washington 98124

RE: 071-OYB-2-006580-R, Marine Power and Equipment Company, Inc., 6/23/80

Dear Sir:

We have completed our review of the above referenced permit application.

Chemical analyses indicate that the material to be dredged has relatively high concentrations of sulfides. However, our agency will have no objection to the issuance of this permit provided the proposed operations are subject to the following conditions:

1) Loads of dredged material to be dumped at 4 Mile Rock disposal site will be limited to a volume of 1,000 cubic yards,

2) In the event of adverse impacts on fisheries resources, due to the nature of the material being dredged, dredging operations will cease and modifications in the dredging procedures to alleviate the problem will be coordinated with our office.

These conditions are needed to maintain water quality and to protect the aquatic resources.

These conditions have been discussed with and agreed to by the applicant. If there are any questions concerning our review of this application please contact James Wood, of my staff, at (206) 442-1352 or FTS 399-1352.

Sincerely,

Ronald A. Lee

Ronald A. Lee, Chief 15 NOV 8:21
Dredge and Fill Permits Section

cc: USFWS - Olympia
NMFS
WDNR - Attn. Rene Herrera
WDG - Attn. Bob Zeigler
WDE
Applicant

311 C

PLICATION FOR A DEPARTMENT OF THE A . . PERMIT
For use of this form, see EP 1145–2–1

The Department of the Army permit program is authorized by Section 10 of the River and Harbor Act of 1899, Section 404 of P. L. 92–500 and Section 103 of P. L. 92–532. These laws require permits authorizing structures and work in or affecting navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Information provided in ENG Form 4345 will be used in evaluating the application for a permit. Information in the application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary; however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and checklist) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

1. Application number (To be assigned by Corps)
071-043-2-006580

2. Date
1 MAY 1980
Day Mo. Yr.

3. For Corps use only.

4. Name and address of applicant.
Marine Power & Equipment Co.,Inc.
1441 N. Northlake Way
Seattle, Washington 98103

Telephone no. during business hours
A/C 206) 632-1441
A/C 206) 632-1447

5. Name, address and title of authorized agent.
Bruce H. Klein
Personnel Director
1441 N. Northlake Way
Seattle, Washington 98103

Telephone no. during business hours
A/C 206) 632-1441
A/C 206) 632-1447

6. Describe in detail the proposed activity, its purpose and intended use (private, public, commercial or other) including description of the type of structures, if any to be erected on fills, or pile or float–supported platforms, the type, composition and quantity of materials to be discharged or dumped and means of conveyance, and the source of discharge or fill material. If additional space is needed, use Block 14.

Dredge 85,000 cu. yards of sandy silt by clamshell and deposit at "Four Mile Rock" deep water disposal site by bottom dump barge. The purpose is to provide a safe depth for commercial marine use in Slip 4.

7. Names, addresses and telephone numbers of adjoining property owners, lessees, etc., whose property also adjoins the waterway.

1. Boeing Co. 7755 E. Marginal Way South Seattle, Washington 98108 (773-7790)
2. Layrite Concrete Products Co. 7265 E. Marginal Way S. Seattle,Wa 98108 (762-8681)
3. Puget Sound Truck Lines 3720 Airport Way South Seattle, Wa 98134 (623-1600)

8. Location where proposed activity exists or will occur.

Address:
8th Ave. South and South Fontanelle St.
Street, road or other descriptive location

Seattle
In or near city or town

King Wash. 98108
County State Zip Code

Tax Assessors Description: (If known)
Map No. Subdiv. No. Lot No.
Sec. Twp. Rge.

9. Name of waterway at location of the activity.

Duwamish River

ENG Form 4345, 1 OCT 77 Edition of 1 Apr 74 is obsolete.

Date activity is proposed to commence. As soon as permit is issued

Date activity is expected to be completed Within 5 weeks after start of project

Is any portion of the activity for which authorization is sought now complete? ☐ YES ☒ NO
If answer is "Yes" give reasons in the remark section. Month and year the activity was completed _____. Indicate the existing work on the drawings.

List all approvals or certifications required by other federal, interstate, state or local agencies for any structures, construction, discharges, deposits or other activities described in this application.

Issuing Agency	Type Approval	Identification No.	Date of Application	Date of Approval
City of Seattle	Shoreline Permit			

Has any agency denied approval for the activity described herein or for any activity directly related to the activity described herein?

☐ Yes ☒ No (If "Yes" explain in remarks)

Remarks or additional information.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.

Bruce H. Klein

Signature of Applicant or Authorized Agent

Bruce H. Klein

The application must be signed by the applicant; however, it may be signed by a duly authorized agent (named in Item 5) if this form is accompanied by a statement by the applicant designating the agent and agreeing to furnish upon request, supplemental information in support of the application.

18 U. S. C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false fictitious or fraudulent statement or entry, shall be fined not more than $10,000 or imprisioned not more than five years, or both. Do not send a permit processing fee with this application. The appropriate fee will be assessed when a permit is issued.

(59)

INSPECTION RECORD

FOR

PERMITTED WORK IN NAVIGABLE WATERS
NORTH PACIFIC DIVISION, CORPS OF ENGINEERS

District Seattle

1230 PM

Permit No. 071-OYB-2-006590

Date of Inspection 19 April 95

Permittee Marine Power & Equipment Co. Inc.

Inspector LARSON, FENSKE

Waterway Duwamish River

Type of Work Dredge

STATUS

Work Completed ✓ Yes ____ No ____ Not Sure

Estimated Percent Complete 100 % ____ Unknown

Work In Progress ____ Yes ✓ No

COMPLIANCE

Completed Entire Scope of Permitted Work ✓ Yes ____ Apparently ____ No

Standard Conditions: ✓ Yes ____ Apparently ____ No ____ Doubtful

Special Conditions: ✓ Yes ____ Apparently ____ No ____ Doubtful

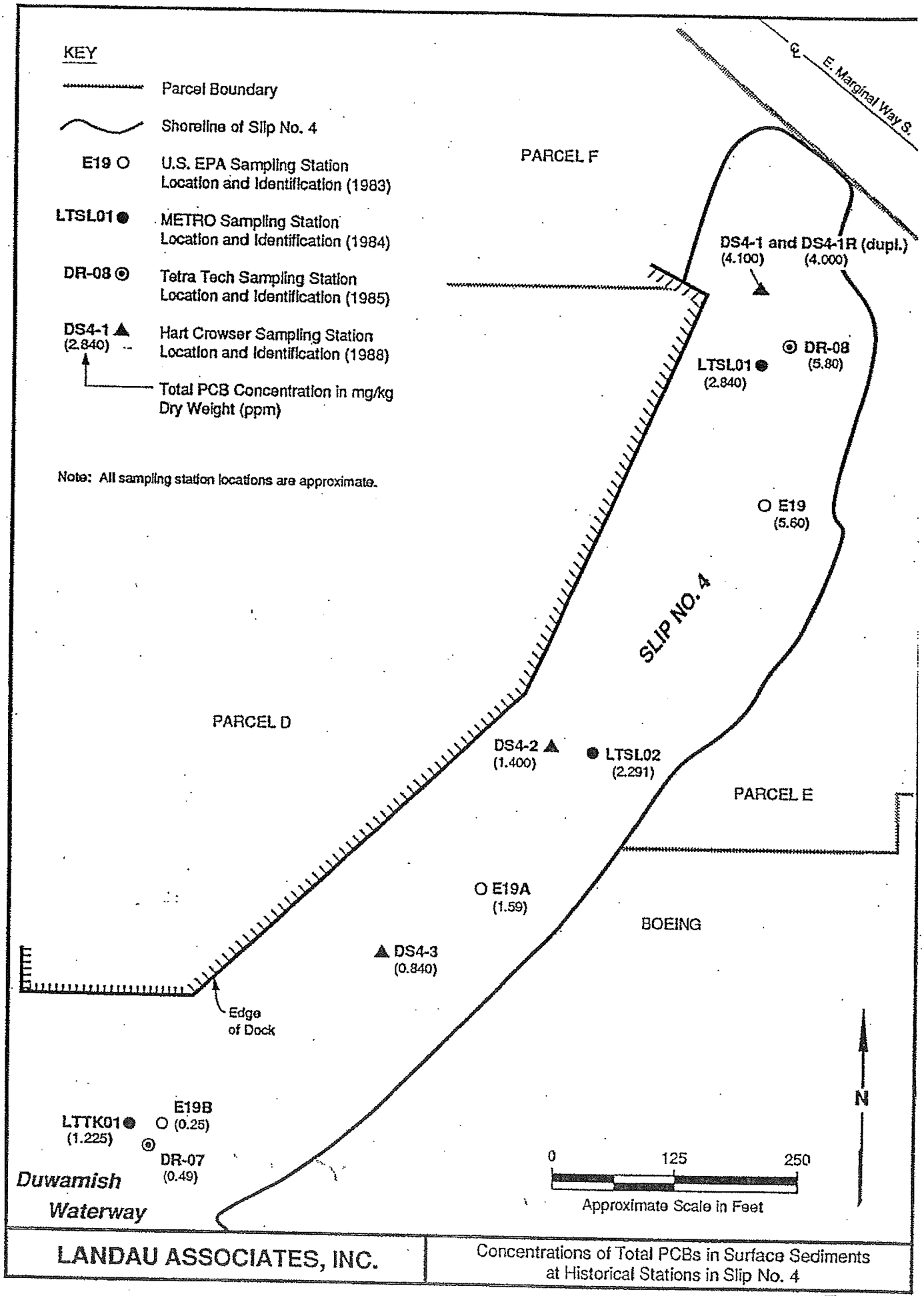
Permit Dwg: ✓ Yes ____ Apparently ____ No

Comments: WATER Depth WSL 26 ± w GAGE READING +5.8
= -15.2 ← ELEV OF BOTTOM

NPD Form 288(Rev)
May 77

610
607*

TAB "A" Page 1 of 1

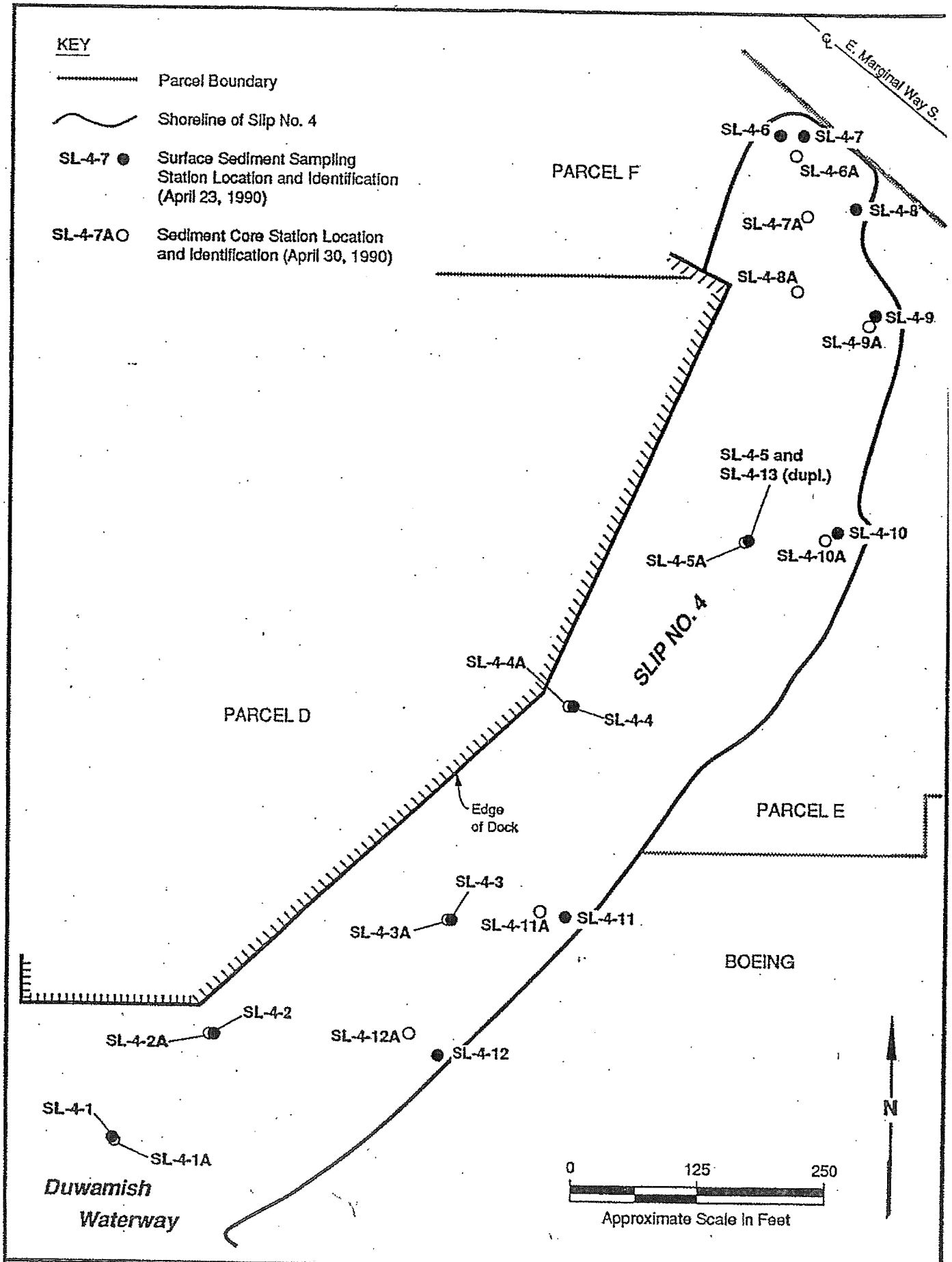


LANDAU ASSOCIATES, INC.

Concentrations of Total PCBs in Surface Sediments at Historical Stations in Slip No. 4

25-52-10 Boeing/Frst Interstate/Environmental Site Assessment/Final Report 6/8/90

Figure 9-3

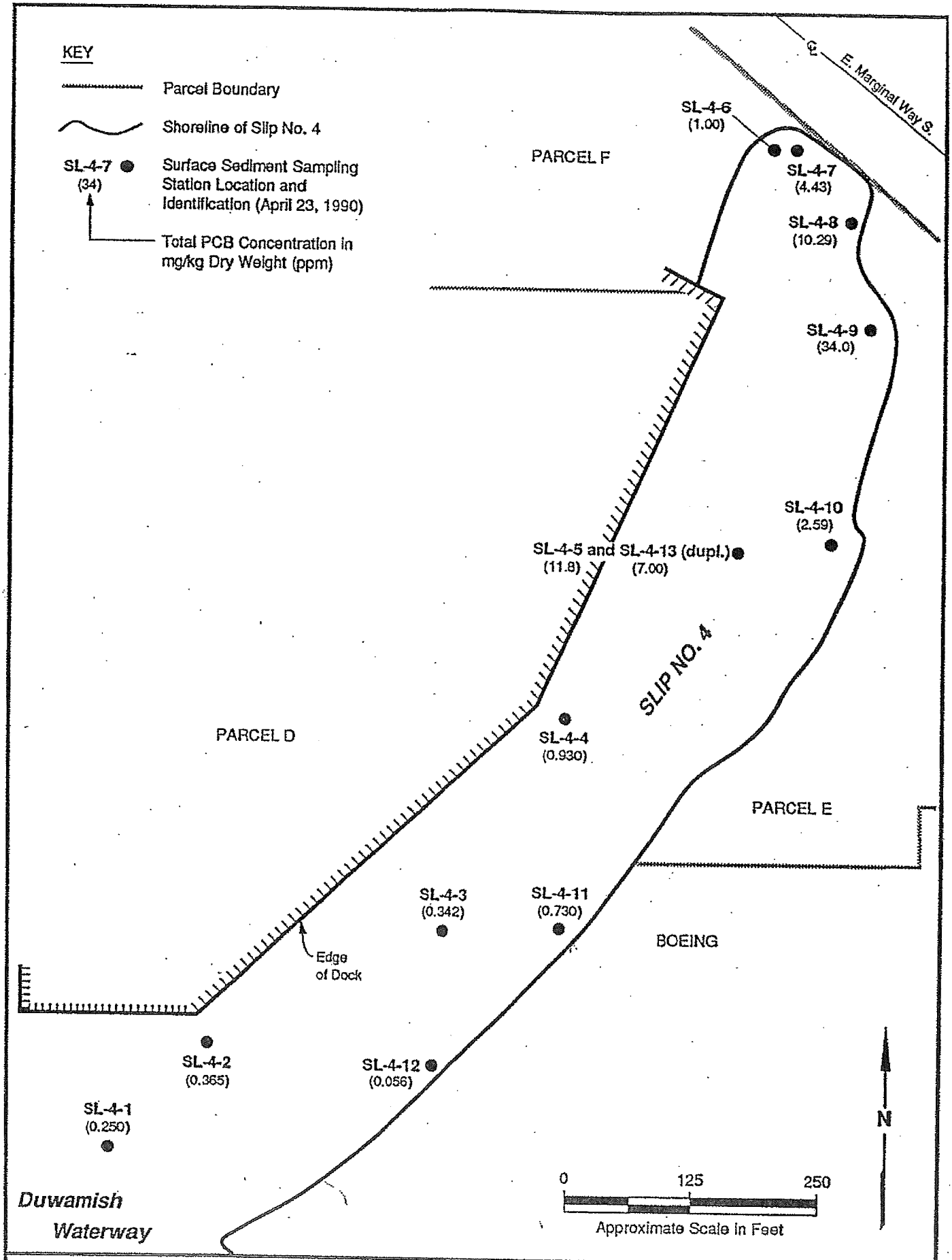


LANDAU ASSOCIATES, INC.

Map Showing Slip No. 4 Shoreline and Locations of Surface Sediment and Sediment Core Stations

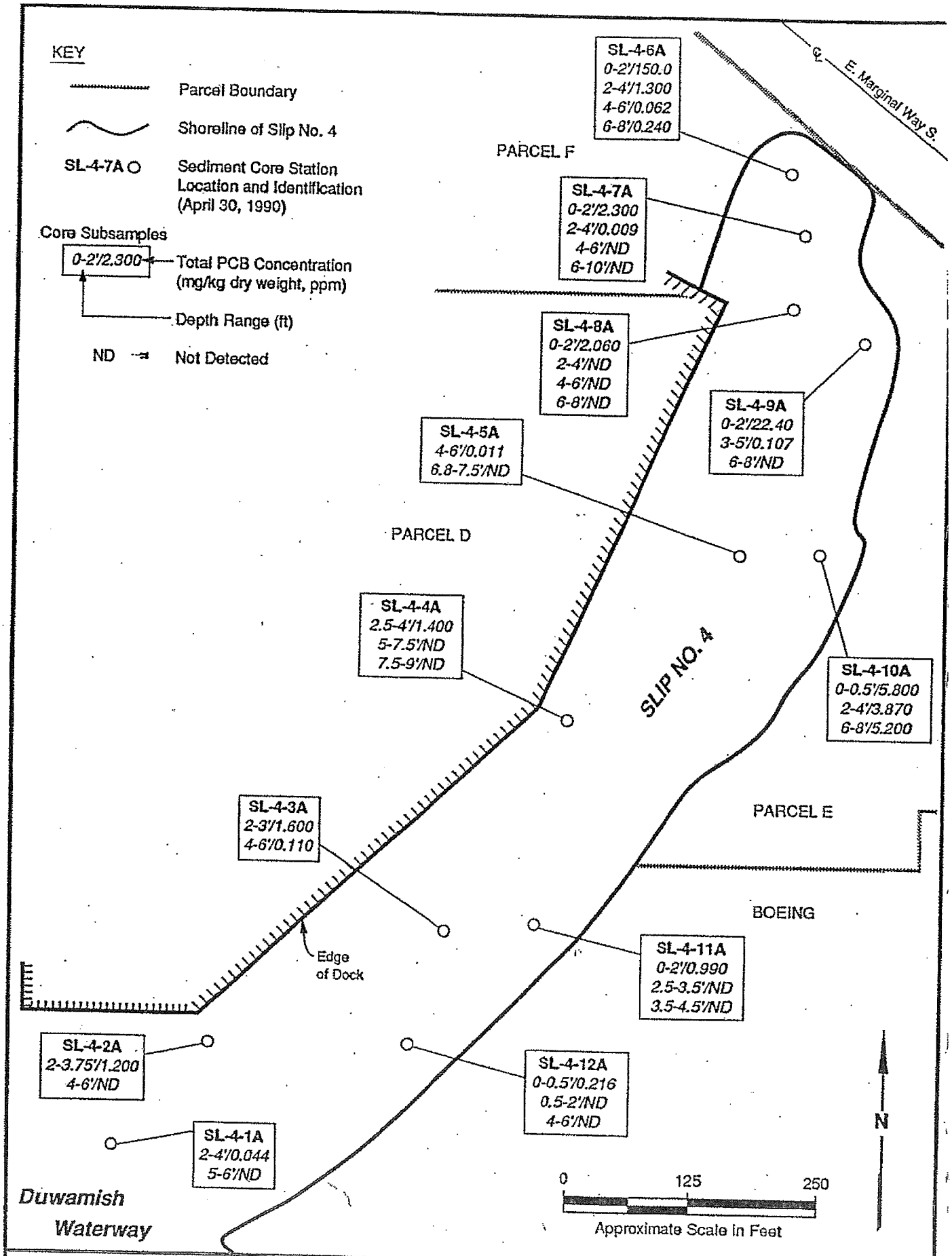
25-52.10 Boeing/First Interstate/Environmental Site Assessment/Final Report 6/8/90

Figure 9-1



LANDAU ASSOCIATES, INC.

Surface Sediment Stations and Concentrations of Total PCBs in Slip No. 4 Surface Sediments

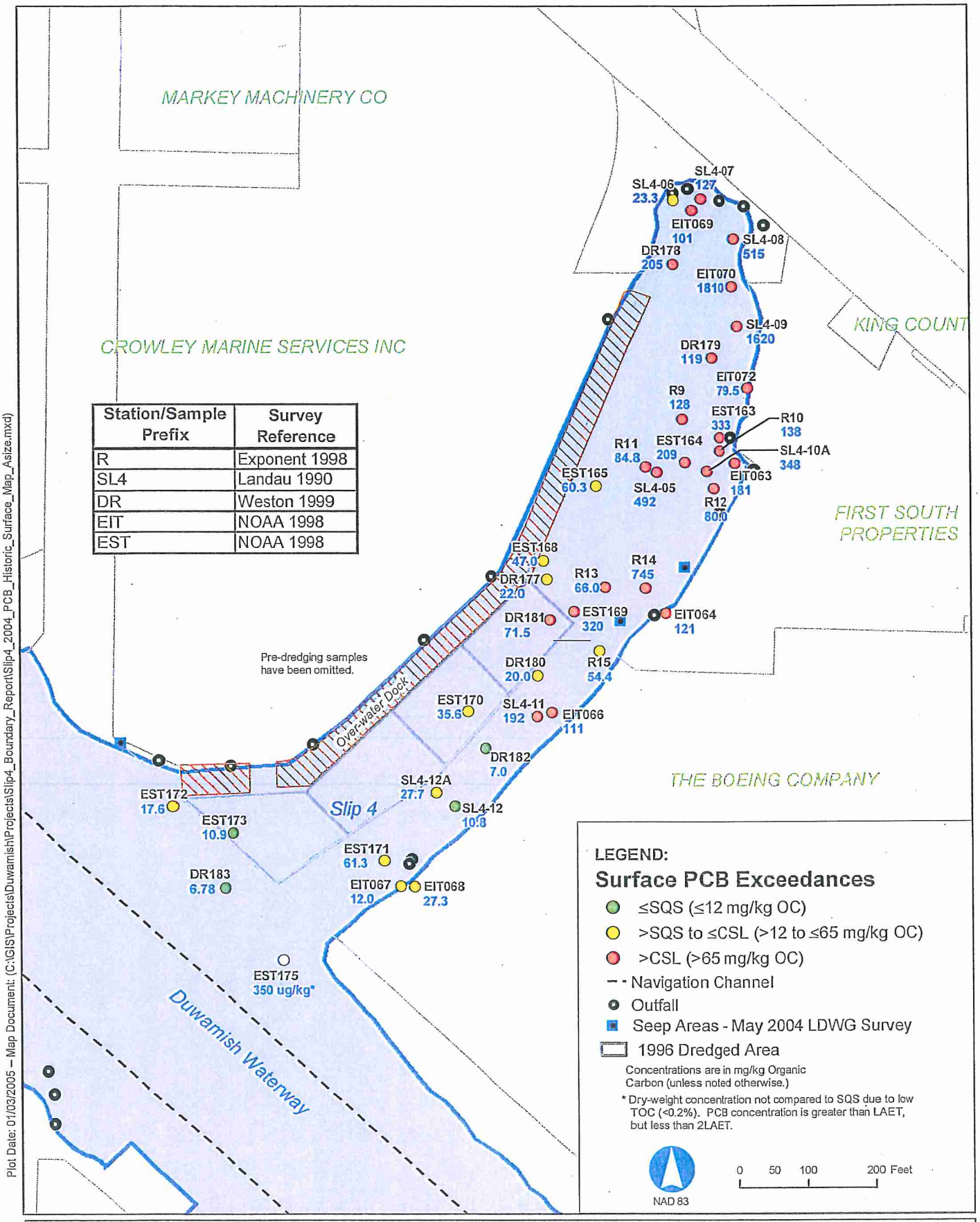


25-62.10 Boeing/First Interstate/Environmental Site Assessment/Final Report 6/8/90

LANDAU ASSOCIATES, INC.

Sediment Core Stations and Concentrations of Total PCBs in Core Subsamples in Slip No. 4

Figure 9-4



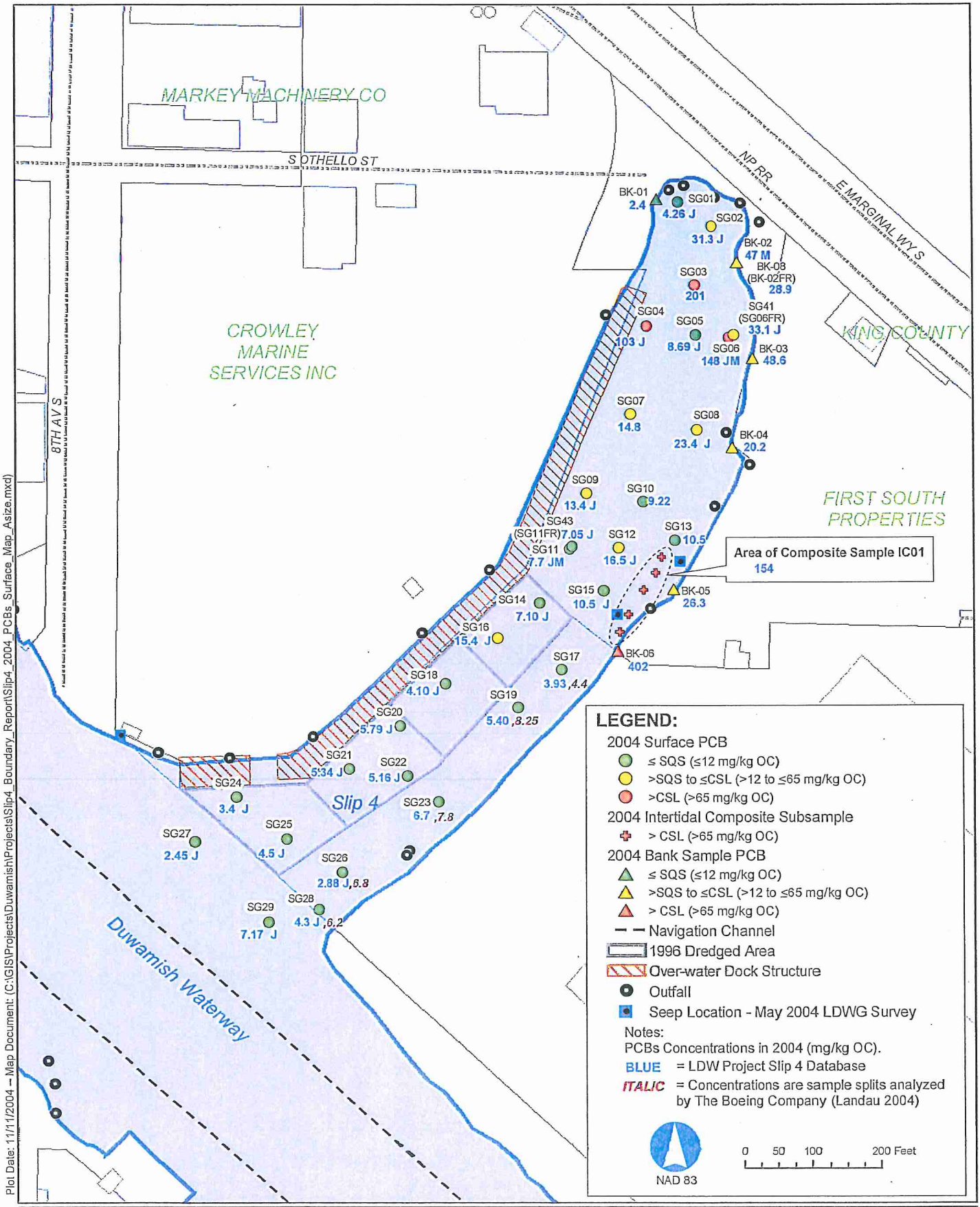
Station/Sample Prefix	Survey Reference
R	Exponent 1998
SL4	Landau 1990
DR	Weston 1999
EIT	NOAA 1998
EST	NOAA 1998

Plot Date: 01/03/2005 – Map Document: (C:\GIS\Projects\Duwamish\Projects\Slip4_Boundary_Report\Slip4_2004_PCB_Historic_Surface_Map_Asize.mxd)

integral consulting inc.

Map Feature Sources:
King County GIS, Seattle Public Utilities, USACE, Ecology, Windward Environmental, David Evans, Inc., and others.
Sediment Chemistry:
Lower Duwamish Project Database and 2004 Slip 4 Survey PCB analysis results.

Figure 2.
PCB Concentrations in Surface Sediments Collected in 1990-1998.



Plot Date: 11/11/2004 -- Map Document: (C:\GIS\Projects\Duwamish\Projects\Slip4_Boundary_Report\Slip4_2004_PCBs_Surface_Map_Asize.mxd)

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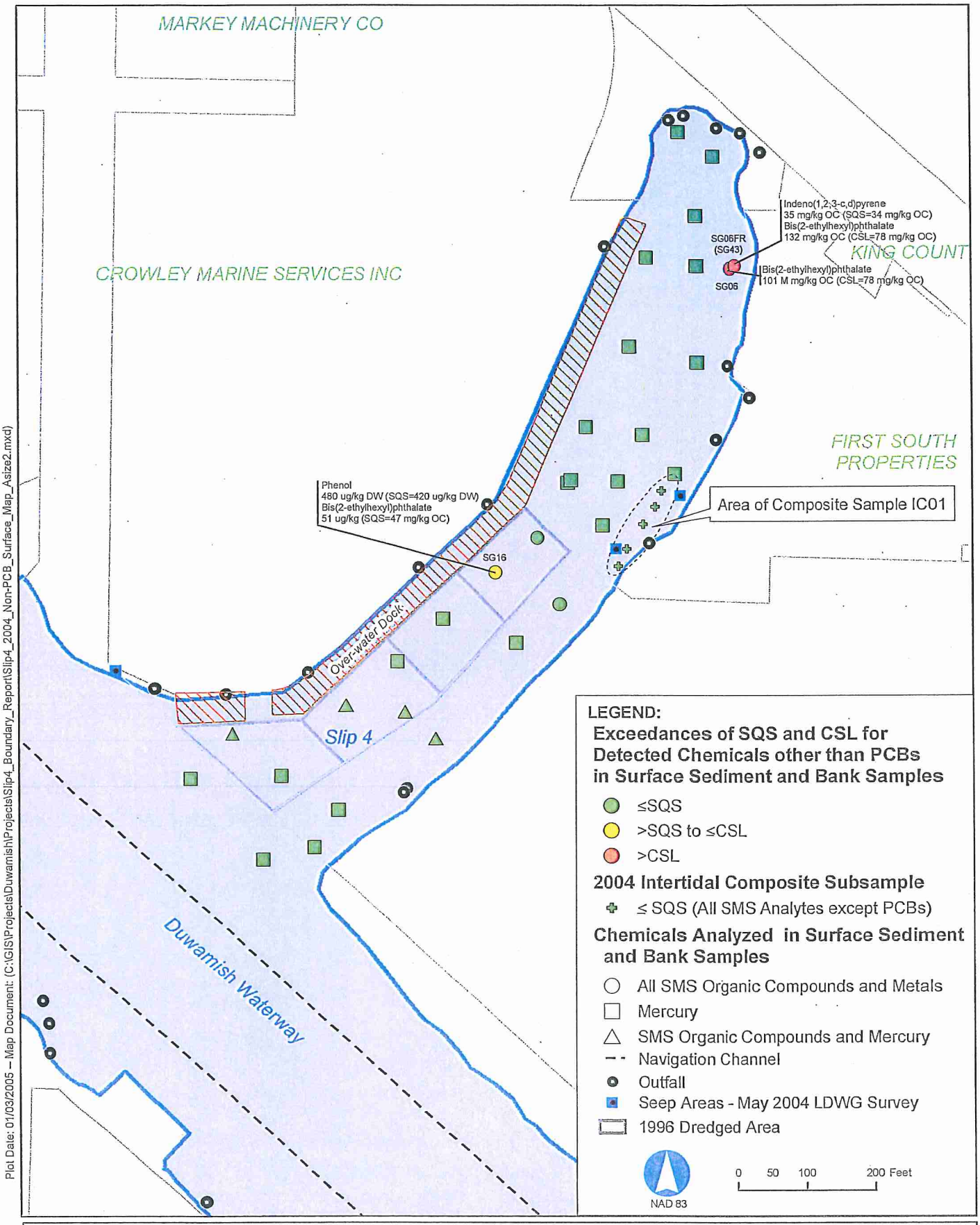
Map Feature Sources:
King County GIS, Seattle Public Utilities, USACE, Ecology, Windward Environmental, David Evans, Inc., and others.
Station locations: Lower Duwamish Project Database and 2004 Slip 4 FSP Navigation Table.

Qualifiers:
J=Estimated
M=Mean of field duplicate (i.e., split)
FR=Field replicate

Figure 3.
PCB Concentrations in Surface Sediment and Bank Samples Collected in 2004



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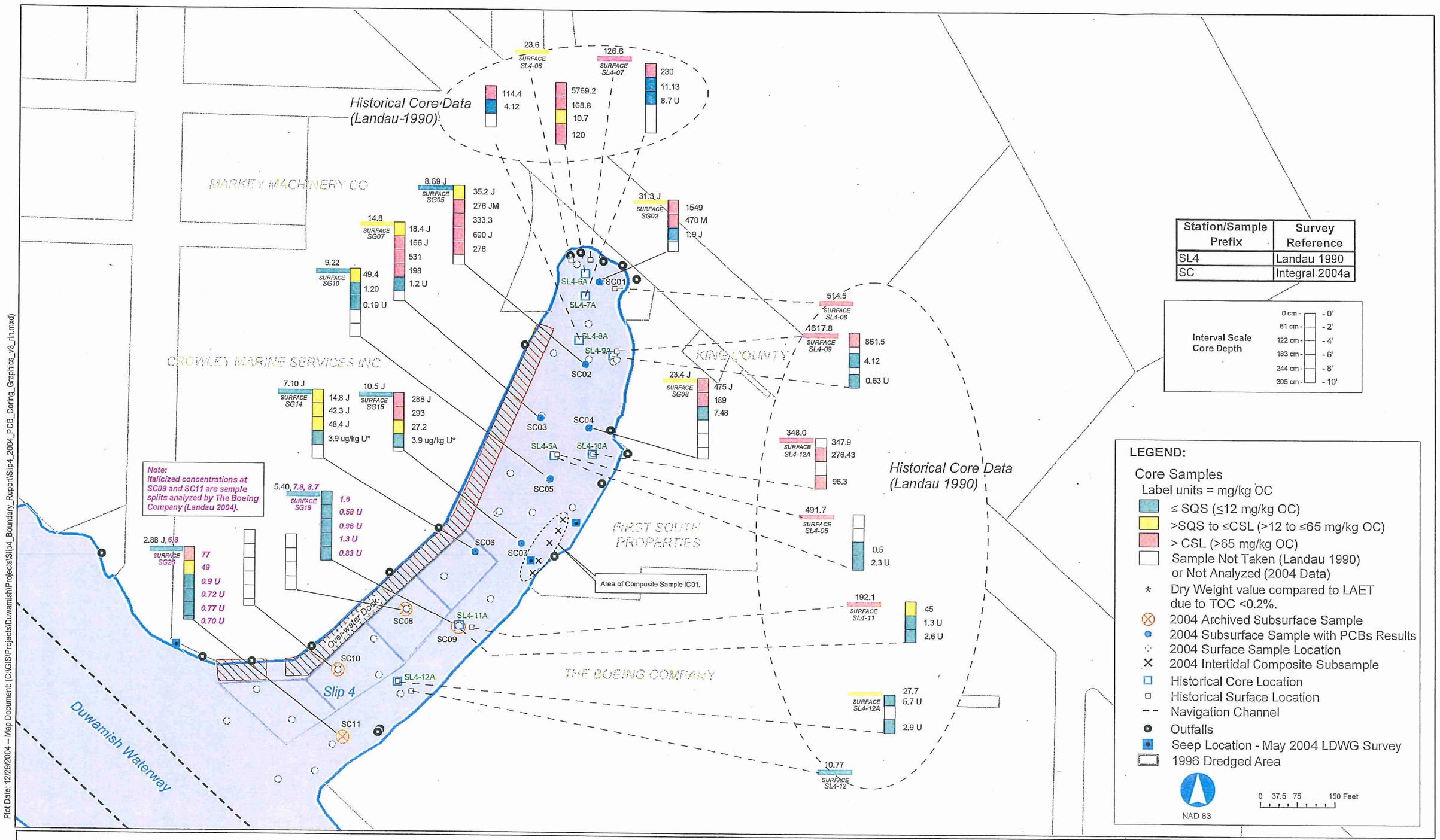
Map Feature Sources:
King County GIS, Seattle Public Utilities, USACE, Ecology, Windward Environmental, David Evans, Inc., and others.
Sediment Chemistry:
Lower Duwamish Project Database and 2004 Slip 4 Survey PCB analysis results.

M=Mean of Field Duplicate (i.e., split)
FR=Field Replicate

Figure 4.
Exceedances of SQS and CSL for Detected Chemicals other than PCBs in Surface Sediment and Bank Samples Collected in 2004



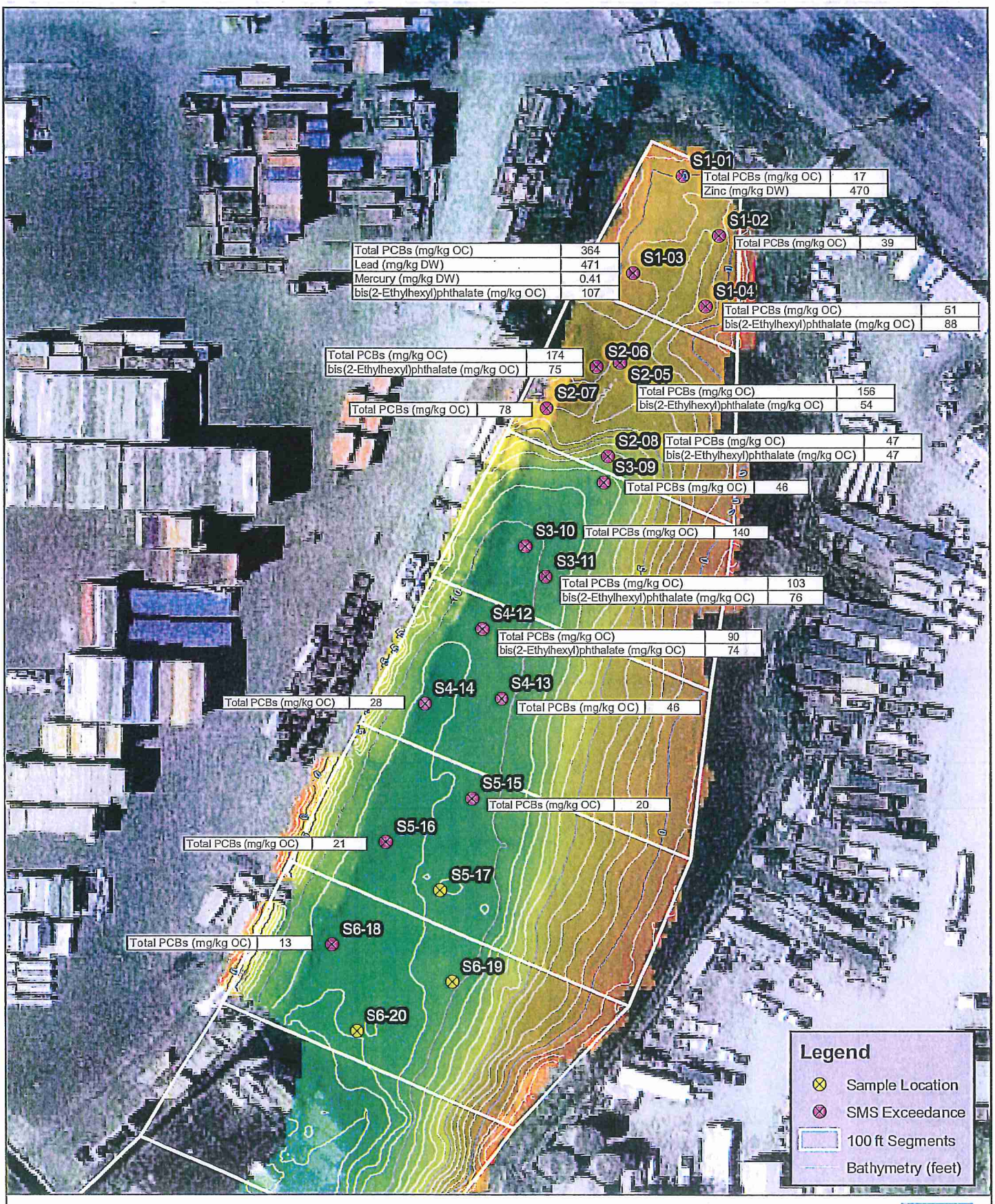
Plot Date: 12/29/2004 -- Map Document: (C:\GIS\Projects\Duwamish\Projects\Slip4_Boundary_Report\Slip4_2004_PCB_Coring_Graphics_v3_rln.mxd)

integral consulting inc.

Map Feature Sources:
King County GIS, Seattle Public Utilities, USACE, Ecology, Windward Environmental, David Evans, Inc., and others.
Sediment Chemistry:
Lower Duwamish Project Database and 2004 Slip 4 Survey PCB analysis results, The Boeing Company.

U=Undetected
J=Estimated
M=Mean of field duplicates (i.e., split)

Figure 5.
Historical and 2004 PCB Concentrations in Subsurface Sediments in Slip 4.



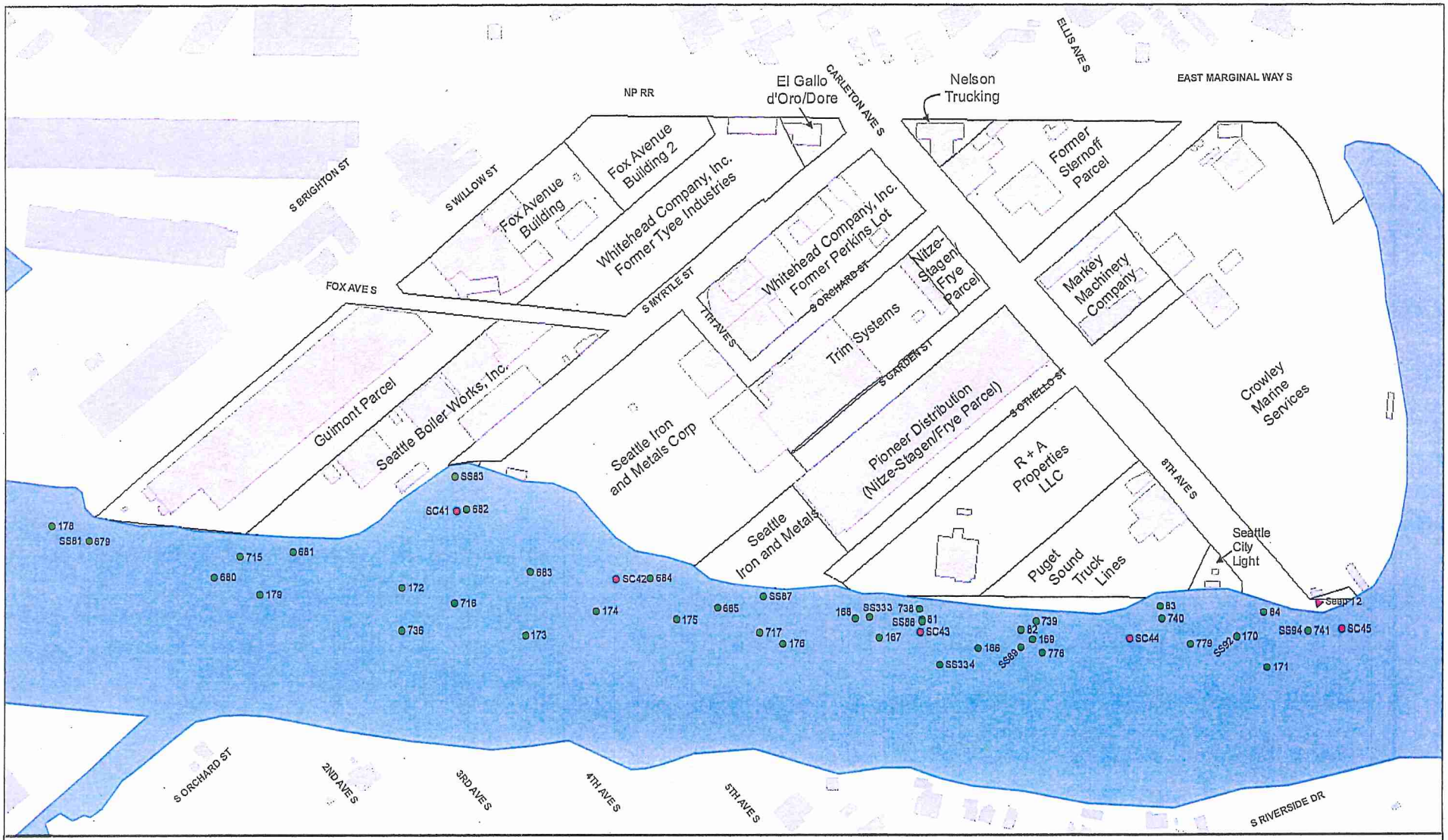
SAIC From Science to Solutions

Figure 3. Slip 4 Surface Sediment SMS Exceedances

Feet
0 15 30 60 90 120 150

N

DEPARTMENT OF ECOLOGY State of Washington



SAIC
From Science to Solutions

Figure 3. RM 2.3-2.8 East - Sediment and Seep Sampling Locations

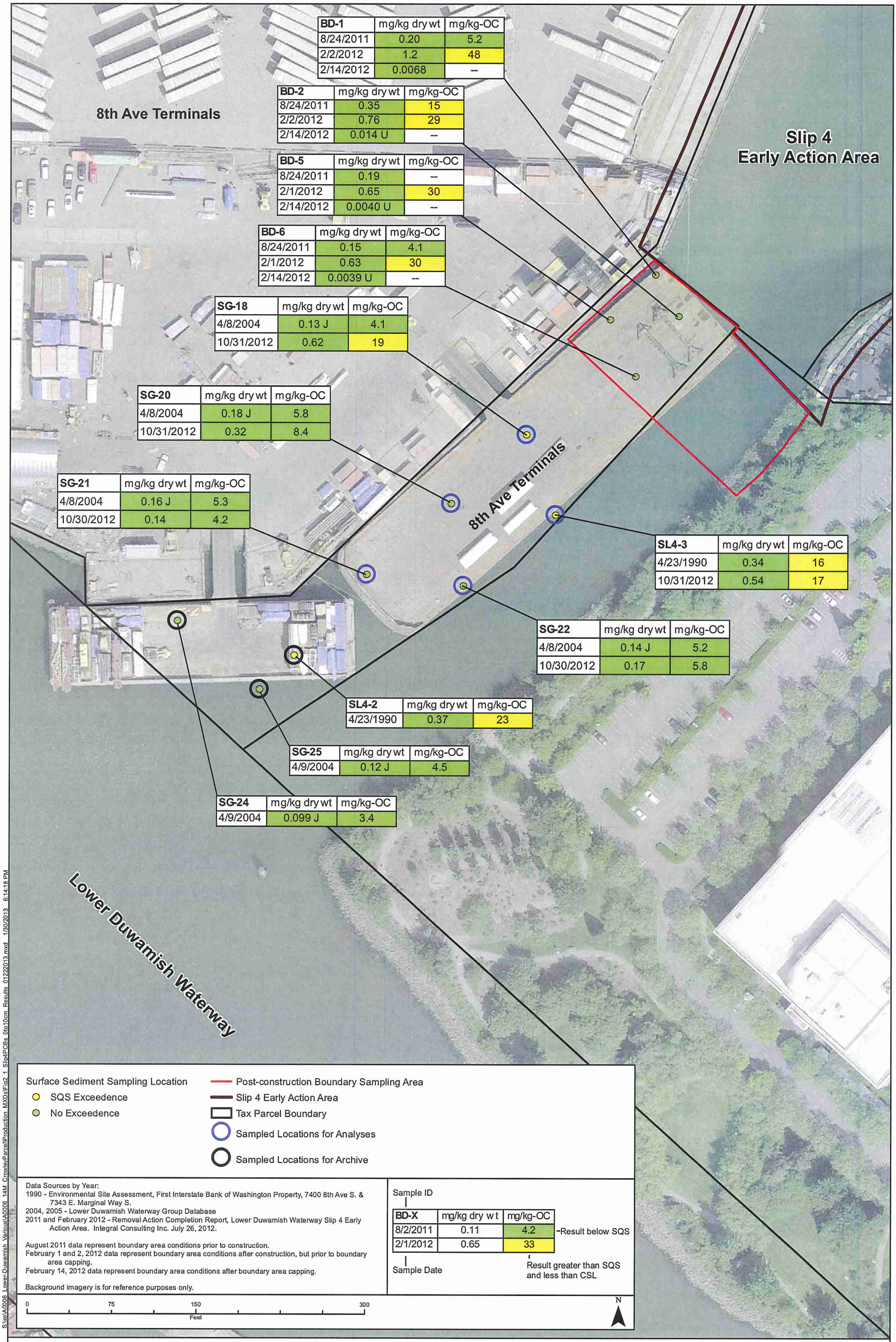


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Figure 2.
2012 and Historical PCB Concentrations in Surface Sediments (0 - 10 cm) at 8th Avenue Terminals

SLR
22118 20th Ave. SE, Suite G-202
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Fax: 425.402.8488

BORING NUMBER EB-5

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/18/13 **COMPLETED** 6/18/13
GROUND ELEVATION 11.97' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 7.0 ft
LOGGED BY G. Lish/A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0								
			EB-5-1.0*				**SAND AND GRAVEL (FILL)**, light brown, fine to coarse sand, fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
							@ 1.0 feet: Becomes dark brown; little fines.	
							1.8	
		GP	EB-5-2.5	90	SP		**SAND (FILL)**, brown, fine-grained, few fines, moist, no hydrocarbon-like odors or staining.	
5								0.0
			EB-5-5.0*					0.0
							▼ @ 6.5 feet: Becomes gray.	0.0
		GP	EB-5-7.5	90			@ 7.0 feet: Becomes wet.	0.0
							7.5	
							SILTY SAND (FILL), gray, fine-grained, some fines, wet, no hydrocarbon-like odors or staining.	0.0
10								0.0
			EB-5-10.0*					0.0
					SM			0.0
		GP	EB-5-12.5	100				0.0
								0.0
15								0.0
							15.2	
							SAND, gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0
		GP		100	SP			0.0
								0.0
								0.0
20								0.0
							20.0	
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Duplicate sample EB-93-10.0' collected over the same interval as sample EB-5-10.0'.
▽ Water level at time of drilling.

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Fax: 425.402.8488

BORING NUMBER EB-14

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/17/13 **COMPLETED** 6/17/13
GROUND ELEVATION 15.59' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 11.2 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0								
							0.7 **ASPHALT**.	0.0
			EB-14-1.0*		SP		**SAND (FILL)**, brown, fine-grained, few fine gravel, moist, no hydrocarbon-like odors or staining.	0.0
							2.0 From 1.3 to 1.5 feet: Red brick.	
		GP	EB-14-2.5	95			@ 1.8 feet: Cobble fragments in sampler.	0.0
							GRAVELLY SAND (FILL), dark gray, fine-grained, little to some gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
5					SP		@ 4.0 feet: Weak hydrocarbon-like odor.	0.6
							@ 4.5 feet: Becomes brown.	0.0
			EB-14-5.0*					0.0
							6.8	
					SP		7.2 **SAND (FILL)**, gray, fine- to medium-grained, moist, no hydrocarbon-like odors or staining.	0.0
		GP	EB-14-7.5	95			**SILTY SAND (FILL)**, brown, fine-grained, little to some fines, few wood fragments, moist, no hydrocarbon-like odors or staining.	0.0
10								0.0
			EB-14-10.0*					0.0
							▼ @ 11.2 feet: Becomes wet.	0.0
		GP	EB-14-12.5	90	SM		From 12.0 to 12.2 feet: Wood fragments.	0.0
								0.0
15								0.0
								0.0
		GP					17.0	0.0
							SAND, brownish-gray, fine-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0
					SP			0.0
20							20.0	0.0
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-16

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/19/13 **COMPLETED** 6/19/13
GROUND ELEVATION 14.64' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR Holocene
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 9.5 ft
LOGGED BY C. Lee **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							**CONCRETE**.	
							1.0	
							1.5 **ASPHALT**.	
		GP	EB-16-2.5*	100	GP		**SANDY GRAVEL (FILL)**, brown, fine, some fine-grained sand, damp, no hydrocarbon-like odors or staining.	0.0
							3.0	
					SP		**SAND (FILL)**, brown, fine- to medium-grained, damp, no hydrocarbon-like odors or staining.	0.0
5			EB-16-5.0*					0.0
		GP		100				
			EB-16-7.5				6.5	
					ML		**SANDY SILT (FILL)**, brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining.	0.0
							9.5 ▼	0.0
10		GP	EB-16-10.0*	--	SP		**SAND**, brownish-gray, fine-grained, few fines, wet, no hydrocarbon-like odors or staining.	0.0
			EB-16-12.5					0.0
		GP		100				
15			EB-16-15.0					0.0
		GP		100				0.0
							@ 18.5 feet: Becomes fine- to medium-grained, no fines.	0.0
20							19.5	
			EB-16-20.0		SP		**SAND**, dark brown, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

(Continued Next Page)

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BORING NUMBER EB-16

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		GP		100	SP		**SAND**, dark brown, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0
								0.0
25		GP	EB-16-25.0	100				0.0
								0.0
30		GP	EB-16-30.0	100				0.0
								0.0
35		GP	EB-16-35.0	100				0.0
		GP		100				0.0
40								0.0
		GP	EB-16-40.0	100				0.0
			EB-16-44.0				44.0 Boring completed at 44.0 feet due to refusal.	0.0

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-17

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/17/13 **COMPLETED** 6/17/13
GROUND ELEVATION 15.35' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 11.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.4 **ASPHALT**.	0.0
			EB-17-1.0*		SP		1.0 **GRAVELLY SAND (FILL)**, brown, fine-grained, some fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
					SP		2.0 **SAND (FILL)**, tan, fine-grained, few to little fine to coarse gravel, few fines, few brick fragments, moist, no hydrocarbon-like odors or staining.	0.0
		GP	EB-17-2.5	90	ML		3.0 **SANDY SILT (FILL)**, brown, some fine-grained sand, little fine gravel, moist, no hydrocarbon-like odors or staining.	0.0
5					SP		**SAND (FILL)**, brown to dark brown, fine- to medium-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining. From 4.5 feet to 5.75 feet: No recovery.	0.0
			EB-17-5.75*					0.0
		GP	EB-17-7.5				7.6	0.0
10					SM		**SILTY SAND (FILL)**, gray, fine-grained, some fines, moist to wet, no hydrocarbon-like odors or staining.	0.0
			EB-17-10.0*					0.0
							▼ @ 11.0 feet: Becomes wet.	0.0
		GP					12.5	0.0
15					SP		**SAND**, gray, fine-grained, few to little fines, wet, no hydrocarbon-like odors or staining.	
							@ 15.2 feet: Trace fines.	
		GP		100				
20							20.0	
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-24

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/17/13 **COMPLETED** 6/17/13
GROUND ELEVATION 16.84' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 12.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.5 **ASPHALT**.	
			EB-24-1.0*		GP		1.0 **SANDY GRAVEL (FILL)**, brown, fine to coarse, trace fines, dry to moist, no hydrocarbon-like odors or staining.	0.0
		GP	EB-24-2.5	95	SP		**SAND (FILL)**, brown, fine- to medium-grained, few fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
								0.0
5								0.0
								2.7
			EB-24-5.0*				@ 4.8 feet: Moderate hydrocarbon-like odors.	41.3
							@ 5.2 feet: No hydrocarbon-like odors or staining.	2.7
								0.0
							7.0	0.0
		GP	EB-24-7.5	100	SP		**SAND (FILL)**, gray, fine- to medium-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining.	0.0
							9.0	0.0
10							**SAND (FILL)**, gray, fine-grained, few fines, moist, no hydrocarbon-like odors or staining.	0.0
			EB-24-10.0*					0.0
					SP			0.0
		GP	EB-24-12.5				▼ @ 12.0 feet: Becomes wet.	0.0
								0.0
							13.5	
					SM		**SILTY SAND (FILL)**, gray, fine-grained, little to some fines, wet, no hydrocarbon-like odors or staining.	0.0
15							14.8	
							SAND, gray, fine- to medium-grained, trace fines, trace wood fragments, wet, no hydrocarbon-like odors or staining.	0.0
								0.0
		GP			SP			0.0
								0.0
								0.0
20							20.0	0.0
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-28

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/10/13 **COMPLETED** 6/10/13
GROUND ELEVATION 16.93' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 12.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.3 **ASPHALT**.	0.0
		GP	EB-28-1.0*		GP		1.5 **SANDY GRAVEL (FILL)**, brown, fine to coarse, some fine-grained sand, damp, no hydrocarbon-like odors or staining.	0.0
					SP		2.0 **SAND (FILL)**, brown, fine- to medium-grained, damp, no hydrocarbon-like odors or staining.	0.0
		GP	EB-28-2.5	100			**SAND (FILL)**, dark brown to black, very fine- to fine-grained, some fine gravel, damp, weak hydrocarbon-like odor.	2.9
5								3.5
			EB-28-5.0*		SP			0.2
		GP	EB-28-7.5*	90				1.8
								0.0
							8.0 From 7.5 to 7.7 feet: Red brick.	0.0
					CL		9.0 **SILTY CLAY (FILL)**, black, few pieces of charred wood, trace ash, moist, no hydrocarbon-like odors or staining.	0.0
							From 8.5 feet to 9.0 feet: Wood debris.	0.0
10					SP		10.0 **SAND (FILL)**, brown, very fine- to fine-grained, damp, no hydrocarbon-like odors or staining.	0.0
			EB-28-10.0*				@ 9.8 feet: Becomes fine- to medium-grained.	0.0
							SILTY SAND (FILL), brown, very fine- to fine-grained, some fines, damp, no hydrocarbon-like odors or staining.	0.0
		GP	EB-28-12.5	100	SM		▼ @ 12.0 feet: Becomes wet.	0.0
								0.0
							14.5	0.0
15							**SAND**, gray, fine- to medium-grained, wet, weak hydrogen sulfide-like odor.	0.0
			EB-28-15.0					0.0
		GP			SP			0.0
								0.0
								0.0
20			EB-28-20.0				20.0	0.0
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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SLR
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Fax: 425.402.8488

BORING NUMBER EB-32

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/14/13 **COMPLETED** 6/14/13
GROUND ELEVATION 16.88' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 11.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.3 **ASPHALT**.	0.0
					SP		0.8 **GRAVELLY SAND (FILL)**, brown, fine-grained, fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.0
		GP	EB-32-1.0*	100	SP		**SAND (FILL)**, brown, fine- to medium-grained, trace to few fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
			EB-32-2.5					0.0
								0.0
							4.5	
5			EB-32-5.0*		SP		**SAND (FILL)**, gray, fine- to medium-grained, trace fine gravel, moist, weak hydrocarbon-like odor. @ 5.0 feet: Black staining.	0.5
		GP		100			6.2 @ 6.0 feet: Cobble fragments in sampler.	16.4
					SP		7.2 **SAND (FILL)**, brown, fine- to medium-grained, moist, no hydrocarbon-like odors or staining.	0.0
			EB-32-7.5				**SAND (FILL)**, brownish-gray, fine-grained, few to little fines, moist, mottled, no hydrocarbon-like odors or staining.	0.0
								0.0
10		GP	EB-32-10.0*	100			@ 9.0 feet: Becomes brown. @ 9.5 feet: Becomes fine- to medium-grained.	0.0
							▼ @ 11.0 feet: Becomes wet.	0.0
			EB-32-12.5*		SP			0.0
		GP		50			@ 14.0 feet to 17.5 feet: No recovery.	0.0
15								
		GP					17.5 **SAND**, gray, fine- to medium-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining.	
					SP			
20			EB-32-20.0				20.0 Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

SLR
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BORING NUMBER EB-38

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/17/13 **COMPLETED** 6/17/13
GROUND ELEVATION 16.91' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 11.2 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.3 **ASPHALT**.	0.0
		GP	EB-38-1.0*	100	SP		**SAND (FILL)**, brown, fine- to medium-grained, little fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
			EB-38-2.5				@ 1.5 feet: Cobble fragments in sampler.	0.0
							3.2	0.0
5							**SAND (FILL)**, dark gray to black, fine- to medium-grained, trace fine gravel, trace fines, moist, weak hydrocarbon-like odor.	0.5
		GP	EB-38-5.0*	100	SP			5.2
			EB-38-7.5					5.7
								1.3
							8.5	1.5
10							**SILTY SAND (FILL)**, grayish-brown, fine-grained, little to some fines, moist, no hydrocarbon-like odors or staining.	0.4
		GP	EB-38-10.0*	100	SM		▼	0.0
			EB-38-12.5*					0.0
								0.0
								0.0
15							14.5	0.0
		GP		100	SP		**SAND**, gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0
								0.0
								0.0
								0.0
								0.0
20							20.0	0.0
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-40

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/10/13 **COMPLETED** 6/10/13
GROUND ELEVATION 17.03' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 12.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.3 **ASPHALT**.	0.0
			EB-40-1.0*		GP		1.0 **GRAVEL (FILL)**, gray, dry, no hydrocarbon-like odors or staining.	0.0
					GP		**SANDY GRAVEL (FILL)**, brown, fine to coarse, some fine-grained sand, damp, no hydrocarbon-like odors or staining.	0.0
		GP	EB-40-2.5	95			2.5	
					SP		**SAND (FILL)**, brown, fine- to medium-grained, trace fine gravel, damp, no hydrocarbon-like odors or staining. @ 3.0 feet: Becomes black.	0.0
5							4.8 @ 4.5 feet: Becomes dark brown.	0.0
			EB-40-5.0*		SP		5.0 **ASPHALT**.	0.0
							6.0 **SAND (FILL)**, brown, fine- to medium-grained, damp, no hydrocarbon-like odors or staining.	0.0
		GP	EB-40-7.5	95	SP		**SAND (FILL)**, brown, fine-grained, trace to few fines, damp, no odors or staining.	0.0
10								0.0
			EB-40-10.0*					0.0
		GP	EB-40-12.5	100			11.0	
					SP		**SAND (FILL)**, black, fine-grained, damp, no odors or staining. ▼ 12.5	0.0
					ML		**SANDY SILT (FILL)**, brown, some fine-grained sand, wet, no odors or staining. 14.0	0.0
15							**SAND**, gray, fine- to medium-grained, wet, no odors or staining.	0.0
		GP		100	SP			0.0
20							20.0	0.0
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-41

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/14/13 **COMPLETED** 6/14/13
GROUND ELEVATION 16.88' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 11.8 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.4 **ASPHALT**.	0.0
		GP	EB-41-1.0*	95	SP		**SAND (FILL)**, brown, fine- to medium-grained, moist, no hydrocarbon-like odors or staining.	0.0
			EB-41-2.5		SP		2.0 **SAND (FILL)**, brown to dark brown, fine-grained, few cobbles, moist, no hydrocarbon-like odors or staining.	0.2
					SP		3.0 **SAND (FILL)**, brown, fine- to medium-grained, moist, no hydrocarbon-like odors or staining.	0.0
5		GP	EB-41-5.0*	100	SP		3.8 **SAND (FILL)**, dark brown, fine-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining. @ 4.8 feet: Weak hydrocarbon-like odors. @ 5.2 feet: Becomes brown, few fine gravel, no hydrocarbon-like odors or staining.	0.0 0.5 0.0
			EB-41-7.5		SP		7.0 @ 6.8 feet: Cobble fragments in sampler. **SAND (FILL)**, grayish-brown to brown, fine-grained, trace to few fines, moist, no hydrocarbon-like odors or staining.	0.2 0.0
10		GP	EB-41-10.0*	100	SP		9.0 **SAND (FILL)**, brown, fine-grained, trace fines, moist, no hydrocarbon-like odors or staining. @ 10.0 feet: Becomes fine- to medium-grained.	0.0 0.0
					SP		▼ @ 11.8 feet: Becomes wet.	0.0
		GP	EB-41-12.5	90			14.2	0.0
15			EB-41-15.0*		SM		15.2 **SILTY SAND (FILL)**, brownish-gray, fine-grained, some fines, trace fine gravel, wet, no hydrocarbon-like odors or staining.	0.0
					SP		16.5 **SAND**, dark brown, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0
		GP		90	SW		**SAND**, gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining.	0.0
20			EB-41-20.0				20.0 Boring completed at 20.0 feet.	0.0

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Duplicate sample EB-91-10.0' was collected over the same interval as sample EB-41-10.0'.
▽ Water level at time of drilling.

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BORING NUMBER EB-45

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/10/13 **COMPLETED** 6/10/13
GROUND ELEVATION 16.67' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 12.5 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.3 **ASPHALT**.	0.0
			EB-45-1.0*		GP		**SANDY GRAVEL (FILL)**, brown, fine to coarse, some fine-grained sand, damp, no hydrocarbon-like odors or staining. 1.5	0.0
		GP	EB-45-2.5	90	SP		**SAND (FILL)**, brown, fine-grained, trace fine gravel, trace fines, damp, no hydrocarbon-like odors or staining.	0.0
								0.0
5							4.5 @ 4.0 feet: Becomes fine- to medium-grained.	0.0
			EB-45-5.0*		SP		**SAND (FILL)**, black, fine-grained, few fine gravel, trace fines, damp, no hydrocarbon-like odors or staining. 6.0	0.0
		GP	EB-45-7.5*	80	SP		**SAND (FILL)**, brown, very fine- to fine-grained, trace to few fine gravel, trace fines, damp, no hydrocarbon-like odors or staining.	0.0
							From 7.8 to 7.9 feet: Brick fragments.	0.0
10							@ 8.0 feet: Charred wood fragments.	0.0
			EB-45-10.0*					0.0
							@ 11.0 feet: Few fines.	0.0
		GP	EB-45-12.5*	100			▼ @ 12.0 feet: Becomes fine- to medium-grained. @ 12.5 feet: Becomes wet.	0.0
							14.0	0.0
15					SM		**SILTY SAND (FILL)**, gray, very fine- to fine-grained, little to some fines, wet, no hydrocarbon-like odors or staining. 15.0	0.0
							SAND, gray, fine- to medium-grained, trace to few fine gravel, wet, no hydrocarbon-like odors or staining.	0.0
		GP			SP			0.0
								0.0
20							20.0	0.0
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-46

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/14/13 **COMPLETED** 6/14/13
GROUND ELEVATION 16.89' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 11.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.4 **ASPHALT**.	0.3
		GP	EB-46-1.0*	100	SP		**SAND (FILL)**, brown, fine- to medium-grained, trace to few fine gravel, moist, no hydrocarbon-like odors or staining.	0.0
			EB-46-2.5*				1.5 **SAND (FILL)**, dark gray to black, fine-grained, trace fines, trace brick fragments, moist, weak hydrocarbon-like odor.	12.5
								8.1
5		GP		0	SP		From 4.0 to 8.0 feet: No recovery.	
			EB-46-8.0*					0.0
							9.0	0.0
10		GP	EB-46-10.0*	80	SP		**SAND (FILL)**, brown, fine-grained, trace fines, moist, mottled, no hydrocarbon-like odors or staining.	0.0
							10.8 ▼	
					SM		**SILTY SAND (FILL)**, gray, fine-grained, moist, no hydrocarbon-like odors or staining. @ 11.0 feet: Becomes wet.	0.0
			EB-46-12.5				12.0 **SAND**, gray, fine- to medium-grained, trace to few fines, wet, no hydrocarbon-like odors or staining.	0.0
								0.0
15		GP		100	SP			0.0
								0.0
							16.0	0.0
							Boring completed at 16.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-47

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/10/13 **COMPLETED** 6/10/13
GROUND ELEVATION 16.90' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
▼ **AT TIME OF DRILLING** 11.8 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.4 **ASPHALT**.	0.0
			EB-47-1.0*		SP		**GRAVELLY SAND (FILL)**, brown, some fine to coarse gravel, trace fines, damp, no hydrocarbon-like odors or staining.	0.0
		GP	EB-47-2.5	90			2.5	0.0
					SP		**SAND (FILL)**, brown, fine- to medium-grained, trace fine gravel, trace fines, damp, no hydrocarbon-like odors or staining. 3.5	0.0
5					SM		**SILTY SAND (FILL)**, dark gray, very fine- to fine-grained, some fines, damp, weak hydrocarbon-like odors.	0.0
			EB-47-5.0*					0.2
		GP	EB-47-7.5	100			6.5	0.2
					SP		**SAND (FILL)**, brown, fine-grained, damp, no hydrocarbon-like odors or staining. 7.5	0.2
					SP		**SAND (FILL)**, brown, very fine- to fine-grained, damp, no hydrocarbon-like odors or staining.	0.0
10							9.5	0.0
			EB-47-10.0*		SM		**SILTY SAND (FILL)**, brownish-gray, very fine- to fine-grained, some fines, damp, no hydrocarbon-like odors or staining.	0.0
		GP	EB-47.12.5	100			@ 11.0 feet: Becomes brown, very-fine grained. ▼ @ 11.8 feet: Becomes wet.	0.0
							13.0	0.0
					SP		13.5 **SAND**, dark brown, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0
					SP		**SAND**, grayish-brown, very fine-grained, wet, no hydrocarbon-like odors or staining. 14.5	0.0
15								
			EB-47-15.0		SP		**SAND**, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0
		GP						0.0
								0.0
								0.0
20			EB-47-20.0				20.0	0.0
							Boring completed at 20.0 feet.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Duplicate sample EB-81-2.5' collected at interval of sample EB-47-2.5'.
▽ Water level at time of drilling.

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BORING NUMBER EB-50

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/14/13 **COMPLETED** 6/14/13
GROUND ELEVATION 16.83' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING N/A
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.4 **ASPHALT**.	0.0
					SP		1.0 **GRAVELLY SAND (FILL)**, brown, fine-grained, some fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.0
		GP	EB-50-1.0*	100			**SAND (FILL)**, brown, fine- to medium-grained, few fine gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
			EB-50-2.5'		SP			0.0
								0.0
							4.5	
5			EB-50-5.0*				**GRAVELLY SAND (FILL)**, brown, fine-grained, little to some fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.0
		GP					@ 5.8 feet: Becomes gray, trace fines.	0.4
					SP		@ 6.0 feet: Becomes black, weak hydrocarbon-like odor.	
							@ 6.5 feet: No hydrocarbon-like odors or staining.	0.0
			EB-50-7.5*				@ 7.2 feet: Wood fragments.	0.0
							9.0	0.5
		GP		90			**CONCRETE DEBRIS**.	0.0
10							10.0	

Boring completed at 10.0 feet due to refusal.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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BORING NUMBER EB-51

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/13/13 **COMPLETED** 6/13/13
GROUND ELEVATION 16.71' **HOLE SIZE** 2.125-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING N/A
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							0.3 **ASPHALT**.	0.1
			EB-51-1.0*		SP		**GRAVELLY SAND (FILL)**, brown, fine-grained, some fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
							2.0	
		GP	EB-51-2.5	95			**SAND (FILL)**, brown, fine-grained, trace fines, trace fine gravel, moist, no hydrocarbon-like odors or staining.	0.0
								0.0
								0.0
5					SP		From 4.5 to 4.7 feet: Becomes black, weak hydrocarbon-like odors.	3.3
			EB-51-5.0*					5.6
								4.0
							7.0 @ 6.5 feet: Brick fragments.	
		GP	EB-51-7.5*		CL-ML		**SILTY CLAY (FILL)**, gray to black, few fine-grained sand in layers, moist, strong hydrocarbon-like odors.	31.6
								547.7
							9.0	
10					SP		**SAND (FILL)**, grayish-brown to black, fine-grained, trace fines, trace fine gravel, moist, moderate hydrocarbon-like odors.	18.2
			EB-51-10.0*				10.0	37.0
							Boring completed at 10.0 feet due to refusal.	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

▽ Water level at time of drilling.

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WELL NUMBER EMW-1S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/12/13 **COMPLETED** 6/12/13
GROUND ELEVATION 16.65' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 13.5 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0					GP		0.5 **GRAVEL**.		Concrete
		GP	EMW-1S-2.5*	50	SP		**GRAVELLY SAND (FILL)**, brown, fine-grained, some fine gravel, moist, no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips
							@ 3.0 feet: Cobble fragments in sampler.	0.0	
							4.0 From 3.8 to 4.0 feet: Brick fragments.	0.0	2"-diameter Sch. 40 PVC blank riser
5							**GRAVELLY SAND**, brown, fine- to medium-grained, little to some fine gravel, moist, no hydrocarbon-like odors or staining.	0.0	
			EMW-1S-5.0*		SP		@ 5.0 feet: Becomes fine-grained.	0.2	
		GP	EMW-1S-7.5	60			7.0	0.3	
					SP		**SAND**, dark brown, fine- to medium-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining.	0.2	10x20 silica sand pack
10							8.8	0.2	
			EMW-1S-10.0*				**SILTY SAND**, gray, very fine- to fine-grained, moist, no hydrocarbon-like odors or staining.		
		GP		25	SM		From 10.0 feet to 13.0 feet: No recovery.		2"-diameter Sch. 40 PVC 0.010"-slotted screen
							▼	0.0	
15								0.0	
			EMW-1S-15.0				From 15.0 feet to 19.0 feet: No recovery.		
		GP						0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
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Fax: 425.402.8488

WELL NUMBER EMW-1S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
20					SM		**SILTY SAND**, gray, very fine- to fine-grained, moist, no hydrocarbon-like odors or staining. *(continued)*		
							20.0 Boring completed at 20.0 feet.		2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-2S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/17/13 **COMPLETED** 6/17/13
GROUND ELEVATION 12.92' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							**CONCRETE**. 0.5		Concrete
		GP	EMW-2S-2.5*	90	GP		**SANDY GRAVEL (FILL)**, fine to coarse, some fine-grained sand, moist, no hydrocarbon-like odors or staining. 2.0	0.0	Hydrated bentonite chips
5					SP		**SAND (FILL)**, brown, fine-grained, trace fines, moist, no hydrocarbon-like odors or staining.	0.0	2"-diameter Sch. 40 PVC blank riser
		GP	EMW-2S-5.0*	80				0.0	
			EMW-2S-7.0				@ 6.5 feet: Becomes wet. 7.0	0.0	
10					SM		**SILTY SAND (FILL)**, brown, fine-grained, some fines, few wood fragments, moist, no hydrocarbon-like odors or staining. From 8.0 to 9.8 feet: No recovery.	0.0	10x20 silica sand pack
		GP	EMW-2S-10.0*	95			@ 10.8 feet: Becomes brownish-gray.	0.0	
			EMW-2S-12.5				▼ 12.8	0.0	
15					SP		**SAND**, brownish-gray to gray, fine-grained, few to little fines, wet, no hydrocarbon-like odors or staining.	0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-2S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP			SP		**SAND**, brownish-gray to gray, fine-grained, few to little fines, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0 0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
							18.2	0.0	
					SP		**SAND**, gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0	
20							20.0	0.0	2"-diameter Sch. 40 PVC end cap
							Boring completed at 20.0 feet.		

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
4.8 to 19.6 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.86 to 19.8 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-3S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/11/13 **COMPLETED** 6/11/13
GROUND ELEVATION 16.92' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 13.8 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0			EMW-3S-1.0*		SP		**GRAVELLY SAND (FILL)**, brown, fine-grained, some fine to coarse gravel, trace fines, dry to moist, no hydrocarbon-like odors or staining.	0.0
		GP	EMW-3S-2.5	100				0.0
							2.0 **SAND (FILL)**, brown, fine-grained, trace fine gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
					SP			0.0
5								0.0
			EMW-3S-5.0*					0.0
		GP	EMW-3S-7.5	80			6.0 **GRAVELLY SAND (FILL)**, brown, very fine-grained, some fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.0
					SP			0.0
							8.5 **SAND (FILL)**, brown, very fine-grained, few fines, trace charred wood fragments, moist, no hydrocarbon-like odors or staining.	0.0
10								
			EMW-3S-10.0*					
					SP		From 11.0 to 11.5 feet: Wood fragments.	
		GP	EMW-3S-12.5	50			From 12.5 feet to 15.0 feet: No recovery.	0.0
							13.5 ▼ **SILTY SAND (FILL)**, gray, fine-grained, some fines, wet, hydrogen sulfide-like odor.	0.0
15					SM			0.0
			EMW-3S-15.0*					0.0

Concrete
Hydrated bentonite chips
2"-diameter Sch. 40 PVC blank riser
10x20 silica sand pack
2"-diameter Sch. 40 PVC 0.010"-slotted screen

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

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WELL NUMBER EMW-3S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100	SM		**SILTY SAND (FILL)**, gray, fine-grained, some fines, wet, hydrogen sulfide-like odor. *(continued)*	0.0 0.0 0.0 0.0	
20			EMW-3S-20.0				20.0 Boring completed at 20.0 feet.	0.0	2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

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WELL NUMBER EMW-4D

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/17/13 **COMPLETED** 6/17/13
GROUND ELEVATION 17.01' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR Holocene
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 15.0 ft
LOGGED BY C. Lee/A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							**CONCRETE**.	0.0	Concrete
		GP	EMW-4D-2.5*	100	GP		1.5 **SANDY GRAVEL (FILL)**, brown, fine to coarse, little fine- to coarse-grained sand, very moist, no hydrocarbon-like odors or staining.	0.0	
							2.5 **SAND (FILL)**, light brown, fine-grained, moist, no hydrocarbon-like odors or staining.	0.0	
								0.0	
5			EMW-4D-5.0*		SP			0.0	
		GP		50				0.0	
			EMW-4D-7.5*				7.5	0.0	
							GRAVEL (FILL), gray, fine, few fine- to coarse-grained sand, moist, no hydrocarbon-like odors or staining. From 8.0 to 12.0 feet: Rock fragments and gravel blocked sampler.	0.0	
10		GP		0	GP				
			EMW-4D-12.5					0.0	
		GP		100			14.0	0.0	Hydrated bentonite chips
					SP		**SAND (FILL)**, dark brown to dark gray, fine-grained, moist to wet, trace wood fragments, weak hydrocarbon-like odors.	0.0	
15			EMW-4D-15.0				▼ 15.5		
					ML			3.2	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-4D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100	ML		**SANDY SILT**, dark gray, wet, trace wood fragments, weak hydrocarbon-like odors. *(continued)*	0.0	
							18.0	0.0	
		GP		100	SW		**SAND**, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining	0.0	
20			EMW-4D-20.0					0.0	
		GP		100				0.0	
								0.0	
								0.0	
25			EMW-4D-25.0					0.0	2"-diameter Sch. 40 PVC blank riser
		GP		100				0.0	
							26.5	0.0	
					SP		**SAND**, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0	
								0.0	
30		GP	EMW-4D-30.0	100				0.0	
								0.0	
								0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR
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WELL NUMBER EMW-4D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
35		GP	EMW-4D-35.0	100	SP		**SAND**, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. *(continued)* @ 35.0 feet: Refusal with direct push drilling method; remaining depth logged from hollow-stem auger cuttings at time of well installation.	0.0 0.0 0.0	10x20 silica sand pack 2"-diameter Sch. 40 PVC 0.010"-slotted screen
40									
45									

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-4D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
50					SP		**SAND**, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. *(continued)*		
							50.0 Boring completed at 50.0 feet.		2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 40.0 feet: 2"-diameter Sch. 40 PVC blank riser.
40.0 to 49.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
49.8 to 50.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.
2.0 to 38.0 feet: Hydrated bentonite chips.
38.0 to 50.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.
▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-5S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/13/13 **COMPLETED** 6/13/13
GROUND ELEVATION 17.00' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.2 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.3 **ASPHALT**.	0.3	Concrete
		GP	EMW-5S-1.0*		GP		**SANDY GRAVEL (FILL)**, brown, fine to coarse, some fine-grained sand, trace to few fines, moist, no hydrocarbon-like odors or staining.	0.0	
							2.0		
		GP	EMW-5S-2.5	60	SP		**GRAVELLY SAND (FILL)**, brown, fine-grained, some fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips
							2.8		
							SAND (FILL), brown, fine- to medium-grained, trace fines, moist, no hydrocarbon-like odors or staining. From 3.0 feet to 6.5 feet: No recovery.	0.0	
5					SP				2"-diameter Sch. 40 PVC blank riser
			EMW-5S-6.5				From 6.5 feet to 6.8 feet: Brick and charred wood fragments and ash.	0.0	
		GP	EMW-5S-7.5*	70			7.2 @ 6.8 feet: Cobble fragments in sampler.	0.0	
					SP		**SAND (FILL)**, brown, fine- to medium-grained, moist, no hydrocarbon-like odors or staining. @ 8.0 feet: Becomes fine-grained; becomes brownish-gray.	0.0	10x20 silica sand pack
							9.5	0.0	
10									
			EMW-5S-10.0*		SM		**SILTY SAND (FILL)**, brownish-gray, fine-grained, some fines, moist, no hydrocarbon-like odors or staining.	0.0	
								0.0	
							12.0	0.0	
		GP	EMW-5S-12.5	100	SP		▼ **SAND**, gray, fine- to medium-grained, moist to wet, mottled, no hydrocarbon-like odors or staining. @ 12.2 feet: Becomes wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
								0.0	
15							@ 14.5 feet: Few fines.	0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-5S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
20		GP		100	SP		**SAND**, gray, fine- to medium-grained, moist to wet, mottled, no hydrocarbon-like odors or staining. *(continued)*	0.0 0.0 0.0 0.0 0.0	2"-diameter Sch. 40 PVC end cap
							20.0 Boring completed at 20.0 feet.		

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-6S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/12/13 **COMPLETED** 6/12/13
GROUND ELEVATION 16.70' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 11.5 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.4 **ASPHALT**.	0.4	Concrete
		GP	EMW-6S-1.0*	95	SP		**GRAVELLY SAND (FILL)**, brown, fine-grained, some fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.3	
		GP	EMW-6S-2.5				@ 2.8 feet: Cobble fragments in sampler. From 3.2 to 3.5 feet: Brick fragments.	0.3	Hydrated bentonite chips
5							4.5	0.0	2"-diameter Sch. 40 PVC blank riser
		GP	EMW-6S-5.0*	90	SP		**SAND (FILL)**, dark brown, fine- to medium-grained, moist, no hydrocarbon-like odors or staining. @ 4.8 feet: Charred wood fragments.	0.0	
		GP	EMW-6S-7.5					0.0	
10							9.0	0.0	10x20 silica sand pack
		GP	EMW-6S-10.0*		SM		**SILTY SAND**, gray, fine-grained, some fines, moist to wet, thin laminations of fine- to medium-grained sand, no hydrocarbon-like odors or staining.	0.0	
		GP	EMW-6S-12.5				▼ @ 11.5 feet: Becomes wet. @ 12.5 feet: Wood fragments.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
15								0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

(Continued Next Page)

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-6S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100	SM		**SILTY SAND**, gray, fine-grained, some fines, moist to wet, thin laminations of fine- to medium-grained sand, no hydrocarbon-like odors or staining. *(continued)*	0.0 0.0 0.0	
							18.5		
					SP		**SAND**, gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0	
20							20.0	0.0	2"-diameter Sch. 40 PVC end cap
							Boring completed at 20.0 feet.		

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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22118 20th Ave. SE, Suite G-202
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WELL NUMBER EMW-7S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/13/13 **COMPLETED** 6/13/13
GROUND ELEVATION 17.12' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.5 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.3 **ASPHALT**.		Concrete
		GP	EMW-7S-1.0*	95	SP		**GRAVELLY SAND (FILL)**, fine-grained, some fine to coarse gravel, moist, weak hydrocarbon-like odors.	0.7	
							@ 2.2 feet to 3.0 feet: Cobbles.	2.7	Hydrated bentonite chips
							3.5	0.0	
5					SP		**SAND**, brown, fine- to medium-grained, moist, no hydrocarbon-like odors or staining.	0.0	2"-diameter Sch. 40 PVC blank riser
		GP	EMW-7S-5.0*	100				0.0	
			EMW-7S-7.5					0.0	
10								0.0	10x20 silica sand pack
							9.8	0.0	
		GP	EMW-7S-10.0*		SP		**SAND**, gray, fine- to medium-grained, trace to few fines, moist, no hydrocarbon-like odors or staining.	0.0	
			EMW-7S-12.5				12.2	0.0	
					SM		▼ **SILTY SAND**, brownish-gray, fine-grained, some fines, moist to wet, no hydrocarbon-like odors or staining. @ 12.5 feet: Becomes wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
15								0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

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Telephone: 425.402.8800
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WELL NUMBER EMW-7S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP			SM		**SILTY SAND**, brownish-gray, fine-grained, some fines, moist to wet, no hydrocarbon-like odors or staining. *(continued)*	0.0	
								0.0	
17.5									
					SP		**SAND**, dark gray, fine- to medium-grained, trace fine gravel, wet, no hydrocarbon-like odors or staining.	0.0	
								0.0	
20								0.0	2"-diameter Sch. 40 PVC end cap
20.0							Boring completed at 20.0 feet.		

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-8S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/12/13 **COMPLETED** 6/12/13
GROUND ELEVATION 16.97' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.3 **ASPHALT**.	0.0	Concrete
			EMW-8S-1.0*		SP		**GRAVELLY SAND (FILL)**, brown, fine-grained, some fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining. 1.5	0.0	
		GP	EMW-8S-2.5	90	SP		**SAND (FILL)**, brown, fine- to medium-grained, few fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips
					SP		4.5	0.0	2"-diameter Sch. 40 PVC blank riser
5					SP		5.0 **SAND**, dark gray to black, very fine-grained, moist, weak hydrocarbon-like odor.	0.0	
			EMW-8S-5.0*		SP		**SAND**, dark gray, fine- to medium-grained, trace fines, moist, weak hydrocarbon-like odor.	0.0	
		GP	EMW-8S-7.5	100				0.0	10x20 silica sand pack
							9.0	0.0	
10					SM		**SILTY SAND**, gray, fine-grained, some fines, moist, no hydrocarbon-like odors or staining.	0.0	
			EMW-8S-10.0*						
		GP	EMW-8S-12.5	80			▼ @ 12.0 feet: Becomes wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
								0.0	
							14.2	0.0	
15					SP		**SAND**, dark gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR
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Telephone: 425.402.8800
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WELL NUMBER EMW-8S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
20		GP		--	SP		**SAND**, dark gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0 0.0 0.0 0.0 0.0	2"-diameter Sch. 40 PVC end cap
							20.0 Boring completed at 20.0 feet.		

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
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WELL NUMBER EMW-9S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/13/13 **COMPLETED** 6/13/13
GROUND ELEVATION 16.94' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.0 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.5 **ASPHALT**.		Concrete
			EMW-9S-1.0*		SP		**GRAVELLY SAND (FILL)**, brown, fine-grained, fine to coarse gravel, moist, no odors or staining.	0.1	
							2.0		
		GP	EMW-9S-2.5		SP		**SAND (FILL)**, brown, fine- to medium-grained, few fine gravel, trace fines, moist, no hydrocarbon-like odors or staining. @ 2.5 feet: Becomes black, weak hydrocarbon-like odor; trace brick fragments. @ 3.0 feet: No hydrocarbon-like odors or staining.	1.2 0.0	Hydrated bentonite chips
							@ 4.0 feet: Becomes brown.	0.0	2"-diameter Sch. 40 PVC blank riser
5							5.0 @ 4.8 feet: Becomes gray.	1.6	
			EMW-9S-5.0*		SM		**SILTY SAND (FILL)**, black, very fine-grained, little fines, moist, weak hydrocarbon-like odor. @ 5.1 feet: Becomes brown; no hydrocarbon-like odors or staining. @ 6.0 feet: Becomes black; weak hydrocarbon-like odor.	6.7	
		GP	EMW-9S-7.5	100			7.2 @ 6.5 feet: Cobble fragments in sampler. **SAND**, brown, fine- to medium-grained, trace to few fines, moist, no hydrocarbon-like odors or staining.	0.7 0.2	10x20 silica sand pack
					SP		@ 8.8 feet: Becomes fine-grained, mottled. @ 9.0 feet: Becomes brownish-gray.	0.3 0.0	
10			EMW-9S-10.0*				11.0		
							SILTY SAND, brownish-gray, fine-grained, little to some fines, moist, no hydrocarbon-like odors or staining.	0.0	
		GP	EMW-9S-12.5				▼ @ 12.0 feet: Becomes wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
					SM			0.0	
15								0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-9S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
					SM		**SILTY SAND**, brownish-gray, fine-grained, little to some fines, moist, no hydrocarbon-like odors or staining. *(continued)*	0.0	
		GP		100			17.0 **SAND**, gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0	
					SP			0.0	
20							20.0	0.0	2"-diameter Sch. 40 PVC end cap
							Boring completed at 20.0 feet.		

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
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WELL NUMBER EMW-10D

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/19/13 **COMPLETED** 6/19/13
GROUND ELEVATION 17.06' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR Holocene
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.0 ft
LOGGED BY C. Lee **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.5 **ASPHALT**.		Concrete
		GP	EMW-10D-1.0*	90	GP		**GRAVEL (FILL)**, gray, fine to coarse, few fine-grained sand, damp, no hydrocarbon-like odors or staining. 2.0	0.0	
			EMW-10D-2.5		SP		**SAND**, brown, fine-grained, few fine gravel, thin layers of dark brown sand, damp, no hydrocarbon-like odors or staining.	0.9	
5		GP	EMW-10-5.0*	100			@ 4.5 feet: Becomes dark brown; moderate creosote-like odor.	1.2	
								4.4	
			EMW-10D-7.5				@ 6.5 feet: Creosote-like odor becomes weaker.	1.1	
								2.5	
							8.5		
10		GP	EMW-10D-10.0*	100	ML		**SANDY SILT**, grayish brown, little fine-grained sand, moist, weak to no creosote-like odors. 11.0	2.5	
								4.6	
					SM		**SILTY SAND**, brown, fine-grained, little fines, moist to wet, no hydrocarbon-like odors.	1.3	
							12.0 ▼	2.5	
			EMW-10D-12.5		SP		**SAND**, brown, fine-grained, few fines, wet, weak creosote-like odor.	1.6	
		GP		100			@ 13.5 feet: Becomes grayish-brown. 14.0	2.1	Hydrated bentonite chips
15					ML		**SANDY SILT**, gray, some very fine-grained sand, wet, weak creosote-like odor. 15.0	1.9	
			EMW-10D-15.0*		SP		**SAND**, dark gray, fine- to medium-grained, wet, weak creosote-like odor.	1.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

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Fax: 425.402.8488

WELL NUMBER EMW-10D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100	SP		**SAND**, dark gray, fine- to medium-grained, wet, weak creosote-like odor. *(continued)*	3.0	
								4.2	
								1.9	
20							From 19.0 feet to 21.0 feet: Sheen on soil; moderate creosote-like odor.	4.1	
			EMW-10D-20.0					5.0	
		GP		100				4.0	
								1.9	
							@ 23.0 feet: Sheen on soil; moderate creosote-like odor.	2.4	
							From 24.0 to 50.0 feet: Strong creosote-like odor; brown staining (product) on sample liners and equipment; oily coating on soil.	4.0	
25			EMW-10D-25.0						2"-diameter Sch. 40 PVC blank riser
		GP		100				6.8	
								3.9	
								6.1	
								6.5	
30		GP	EMW-10D-30.0	100				3.8	
								4.1	
								4.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

▼ Perched groundwater level at time of drilling.

(Continued Next Page)

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Telephone: 425.402.8800
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WELL NUMBER EMW-10D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
							SAND, dark gray, fine- to medium-grained, wet, weak creosote-like odor. *(continued)*	3.1	
								2.6	
		GP		100				4.9	
35			EMW-10D-35.0*					12.6	
								6.8	
		GP		100				11.3	
								4.1	
			EMW-10D-40.0					5.9	
40					SP		From 40.0 to 42.0 feet: Sample tube was stuck in sampler; driller shook soil out of sampler.		
		GP		--					10x20 silica sand pack
								3.6	
								1.9	
		GP		100				2.4	
45									2"-diameter Sch. 40 PVC 0.010"-slotted screen
								3.6	
								3.9	
								4.1	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-10D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
50		GP	EMW-10D-50.0	100	SP		**SAND**, dark gray, fine- to medium-grained, wet, weak creosote-like odor. *(continued)*	2.9	
							50.0 Boring completed at 50.0 feet.		2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 40.0 feet: 2"-diameter Sch. 40 PVC blank riser.
40.0 to 49.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
49.8 to 50.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.
2.0 to 38.0 feet: Hydrated bentonite chips.
38.0 to 50.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-11S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/12/13 **COMPLETED** 6/12/13
GROUND ELEVATION 17.07' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.2 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.4 **ASPHALT**.	0.1	Concrete
			EMW-11S-1.0*		SP		**GRAVELLY SAND (FILL)**, brown, fine to coarse, some fine-grained sand, trace fines, moist, no hydrocarbon-like odors or staining.	0.0	
		GP	EMW-11S-2.5	90	SP		2.0 **SAND (FILL)**, brown, fine- to medium-grained, trace fine gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips
								0.0	
							4.2	0.0	2"-diameter Sch. 40 PVC blank riser
5					SP		**GRAVELLY SAND (FILL)**, brown, very fine-grained, little to some gravel, few fines, moist, no hydrocarbon-like odors or staining.	0.1	
			EMW-11S-5.0*				5.5		
		GP	EMW-11S-7.5	100	SP		**SAND**, brown, fine- to medium-grained, trace fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0	
							@ 6.5 feet: Becomes dark brown, fine- to medium-grained, no gravel, no fines.	0.0	
							@ 8.0 feet: Becomes brown, fine-grained, little fines.	0.0	10x20 silica sand pack
10								0.0	
			EMW-11S-10.0*				@ 9.5 feet: Becomes dark brown, fine- to medium-grained, no fines.	0.0	
							@ 10.8 feet: Becomes fine-grained, few fine gravel.	0.0	
		GP	EMW-11S-12.5	100			12.0	0.0	
					SM		▼ **SILTY SAND**, gray, fine-grained, some fines, moist to wet, mottled, no hydrocarbon-like odors or staining. @ 12.2 feet: Becomes wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
							14.2	0.0	
15					SP		**SAND**, brownish-gray, fine- to medium-grained, wet, mottled, no hydrocarbon-like odors or staining.	0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-11S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		90	SP		**SAND**, brownish-gray, fine- to medium-grained, wet, mottled, no hydrocarbon-like odors or staining. *(continued)*	0.0 0.0 0.0 0.0	
20							20.0 Boring completed at 20.0 feet.	0.0	2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-12S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/11/13 **COMPLETED** 6/11/13
GROUND ELEVATION 17.12' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.2 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.5 **ASPHALT**.	0.0	Concrete
		GP	EMW-12S-1.0*		GP		1.5 **SANDY GRAVEL (FILL)**, brown, fine to coarse, some fine-grained sand, trace fines, moist, no hydrocarbon-like odors or staining.	0.0	
		GP	EMW-12S-2.5	100	SP		**SAND (FILL)**, brown, fine-grained, trace fines, moist, no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips
							3.5	0.0	
					SM		4.0 **SILTY SAND (FILL)**, dark gray, fine-grained, some fines, few fine gravel, few brick fragments, moist, weak hydrocarbon-like odors.	0.7	2"-diameter Sch. 40 PVC blank riser
					SP		4.5 **SANDY GRAVEL (FILL)**, gray, fine to coarse, some fine-grained sand, moist, no hydrocarbon-like odors or staining.	13.2	
5					SM		**SILTY SAND (FILL)**, dark gray, fine-grained, some fines, few fine gravel, some asphalt fragments, moist, weak hydrocarbon-like odors.	0.4	
							6.5		
		GP	EMW-12S-5.0*		SP		**SAND**, brown, fine- to medium-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining.	0.0	
		GP	EMW-12S-7.5	100			8.0	0.0	10x20 silica sand pack
					SP		**SAND**, brown, very fine-grained, little fines, moist, no odors or staining.	0.0	
10								0.0	
		GP	EMW-12S-10.0*					0.0	
		GP	EMW-12S-12.5	100			▼ @ 12.2 feet: Becomes wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
							13.0		
					SP		**SAND**, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0	
15								0.0	
			EMW-12S-15.0*					0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
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Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-12S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100	SP		**SAND**, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0 0.0 0.0 0.0	
20			EMW-12S-20.0				20.0 Boring completed at 20.0 feet.	0.0	2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
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WELL NUMBER EMW-13S

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/11/13 **COMPLETED** 6/11/13
GROUND ELEVATION 16.79' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR ESN-NW
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 12.5 ft
LOGGED BY A. Meugniot **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0							**ASPHALT**.	0.0
			EMW-13S-1.0*		GP		0.5 **SANDY GRAVEL (FILL)**, brown, fine to coarse, some fine-grained sand, moist, no hydrocarbon-like odors or staining.	0.0
		GP	EMW-13S-2.5	100			2.0 **SAND (FILL)**, brown, fine-grained, few fine gravel and cobbles, moist, no hydrocarbon-like odors or staining.	0.0
5					SP			0.0
			EMW-13S-5.0*				@ 6.0 feet: Becomes fine- to medium-grained.	0.0
		GP	EMW-13S-7.5*	100			7.5	0.0
					SM		**SILTY SAND (FILL)**, gray to dark gray, very fine- to fine-grained, few fine gravel, few brick fragments, moist, weak hydrocarbon-like odor.	0.0
					GP		8.8 9.0 **GRAVEL (FILL)**, brown, fine to coarse, few fine-grained sand, moist, no hydrocarbon-like odors or staining.	0.0
10							**BRICK DEBRIS**, moist, no hydrocarbon-like odors or staining.	0.0
							12.0	0.0
		GP	EMW-13S-12.5*	80	SP		▼ **SAND (FILL)**, brown, fine-grained, some fine gravel, few red brick fragments, moist, no hydrocarbon-like odors or staining. @ 12.5 feet: Becomes fine- to medium-grained, wet.	0.0
							13.5 **SAND**, gray, fine-grained, some fines, few fine gravel, wet, no hydrocarbon-like odors or staining.	0.0
15					SP			0.0
							16.0	

WELL DIAGRAM: Concrete; Hydrated bentonite chips; 2"-diameter Sch. 40 PVC blank riser; 10x20 silica sand pack; 2"-diameter Sch. 40 PVC 0.010"-slotted screen

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-13S

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		90	SP		**GRAVELLY SAND**, gray, fine-grained, fine to coarse gravel, wet, no hydrocarbon-like odors or staining.	0.0 0.0	
							18.0		
					SM		**SILTY SAND**, gray, fine-grained, wet, no hydrocarbon-like odors or staining.	0.0 0.0	
20							20.0	0.0	2"-diameter Sch. 40 PVC end cap
							Boring completed at 20.0 feet.		

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.
1.0 to 3.0 feet: Hydrated bentonite chips.
3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig.
▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
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WELL NUMBER EMW-14D

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/17/13 **COMPLETED** 6/17/13
GROUND ELEVATION 16.74' **HOLE SIZE** 8-inch-diameter
DRILLING CONTRACTOR Holocene
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 8.0 ft
LOGGED BY C. Lee **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.5 **ASPHALT**.	0.0	Concrete
		GP	EMW-14D-1.0*	100	GP		**GRAVEL (FILL)**, gray, fine to coarse, few fines, dry, no hydrocarbon-like odors or staining.	0.0	
							2.0 **SAND (FILL)**, brown, fine-grained, few fine gravel, damp, no hydrocarbon-like odors or staining.	0.0	
			EMW-14D-2.5		SP			0.0	
5			EMW-14D-5.0*				5.0 **GRAVELLY SAND (FILL)**, brown, fine-grained, some fine gravel, damp, no hydrocarbon-like odors or staining.	0.0	
		GP		60				0.0	
			EMW-14D-7.5		SP			0.0	
							▼ @ 8.0 feet: Becomes wet.	0.0	
10		GP	EMW-14D-10.0*	75			10.0		
					SM		**SILTY SAND (FILL)**, brownish-gray, fine-grained, some fines, wet, no hydrocarbon-like odors or staining.	0.0	
							11.0 **GRAVEL (FILL)**, gray, coarse, wet, no hydrocarbon-like odors or staining.		
			EMW-14D-12.5		GP			0.0	Hydrated bentonite chips
		GP		80			13.5 **GRAVELLY SAND**, dark brown to reddish-brown, fine-grained, little fine gravel, wet, no hydrocarbon-like odors or staining.		
15			EMW-14D-15.0*		SP		15.0 **SAND**, reddish-brown, fine-grained, wet, no hydrocarbon-like odors or staining.	0.0	
					SP				

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-14D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
					SP		16.5		
		GP		100			**SAND**, gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining.	0.0	
20								0.0	
		GP	EMW-14D-20.0	100				0.0	
					SW			0.0	
25		GP	EMW-14D-25.0	100				0.0	2"-diameter Sch. 40 PVC blank riser
								0.0	
30		GP	EMW-14D-30.0	100				0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
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Fax: 425.402.8488

WELL NUMBER EMW-14D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
35		GP	EMW-14D-35.0	100	SW		**SAND**, gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0	
								0.0	
		GP		100				0.0	
40								0.0	
			EMW-14D-40.0					0.0	10x20 silica sand pack
		GP		100				0.0	
45			EMW-14D-45.0					0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
		GP		--				0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR
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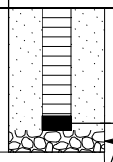
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-14D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
50		GP	EMW-14D-50.0	100	SW		**SAND**, gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0	
							50.0 Boring completed at 50.0 feet.		



2"-diameter Sch. 40 PVC end cap
Native material (heave).

WELL COMPLETION DETAILS:

0.3 to 39.5 feet: 2"-diameter Sch. 40 PVC blank riser.
39.5 to 49.5 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
49.5 to 49.7 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.5 feet: Concrete.
1.5 to 37.5 feet: Hydrated bentonite chips.
37.5 to 49.7 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
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Bothell, Washington 98021
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WELL NUMBER EMW-15D

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/18/13 **COMPLETED** 6/18/13
GROUND ELEVATION 16.43' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR Holocene
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 7.5 ft
LOGGED BY C. Lee **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0								0.5 **ASPHALT**.		Concrete
		GP	EMW-15D-1.0*	90		GP		**SANDY GRAVEL (FILL)**, brown, fine to coarse, trace fines, damp, no hydrocarbon-like odors or staining. 2.0	0.0	
			EMW-15D-2.5			SP		**SAND (FILL)**, brown, fine-grained, few fine gravel, damp, no hydrocarbon-like odors or staining. 6.5	0.0	
5		GP	EMW-15D-5.0*	50		ML		**SANDY SILT**, brown, some fine-grained sand, moist to wet, no odors or staining. ▼ @ 7.5 feet: No recovery. 9.0	0.0	
10		GP	EMW-15D-10.0*	90		SP		**SAND (FILL)**, black, fine-grained, few fine-gravel, wet, no hydrocarbon-like odors or staining. 11.0	0.0	
						GP		**GRAVEL (FILL)**, gray, coarse, wet, no hydrocarbon-like odors or staining. 12.0	0.0	
		GP	EMW-15D-12.5	100		SP		**SAND (FILL)**, brown, fine-grained, few fine gravel, wet, no hydrocarbon-like odors or staining. 15.5	0.0	Hydrated bentonite chips
15			EMW-15D-15.0*			GP			0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
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Telephone: 425.402.8800
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WELL NUMBER EMW-15D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100		GP		**GRAVEL (FILL)**, gray, coarse, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0	
								17.0 **SAND**, black, fine-grained, wet, no hydrocarbon-like odors or staining.		
								@ 18.0 feet: Brick fragments in sampler.	0.0	
20		SS	EMW-15D-20.0	100	50/5"			@ 20.0 feet: Refusal with Geoprobe.	0.0	
								@ 22.5 feet: Becomes dark gray; becomes fine- to medium-grained (auger cuttings).		
25		SS	EMW-15D-25.0	100	47	SP			0.0	2"-diameter Sch. 40 PVC blank riser
								@ 30.0 feet: Unable to drive split-spoon sampler due to heave in augers.		
30										

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

SLR
22118 20th Ave. SE, Suite G-202
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER EMW-15D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
								SAND, black, fine-grained, wet, no hydrocarbon-like odors or staining. *(continued)*		
35								@ 35.0 feet: Unable to drive split-spoon sampler due to heave in augers.		
40						SP		@ 40.0 feet: Unable to drive split-spoon sampler due to heave in augers.		10x20 silica sand pack
45								@ 45.0 feet: Unable to drive split-spoon sampler due to heave in augers.		2"-diameter Sch. 40 PVC 0.010"-slotted screen

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

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WELL NUMBER EMW-15D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
50						SP		**SAND**, black, fine-grained, wet, no hydrocarbon-like odors or staining. *(continued)*		
								50.0 @ 50.0 feet: Unable to drive split-spoon sampler due to heave in augers. Boring completed at 50.0 feet.		2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 39.5 feet: 2"-diameter Sch. 40 PVC blank riser.
39.5 to 49.5 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
49.5 to 49.7 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.5 feet: Concrete.
1.5 to 37.5 feet: Hydrated bentonite chips.
37.5 to 49.7 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

▼ Perched groundwater level at time of drilling.

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WELL NUMBER EMW-16D

CLIENT Crowley Marine Services
PROJECT NAME 8th Avenue Terminals, Inc. Site
PROJECT NUMBER 101.00205.00030
PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
DATE STARTED 6/18/13 **COMPLETED** 6/18/13
GROUND ELEVATION 16.99' **HOLE SIZE** 8-inch diameter
DRILLING CONTRACTOR Holocene
GROUND WATER LEVELS:
DRILLING METHOD Direct Push/Hollow-Stem Auger
▼ **AT TIME OF DRILLING** 9.0 ft
LOGGED BY C. Lee **CHECKED BY**
AFTER DRILLING
NOTES

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							0.5 **ASPHALT**.		
		GP	EMW-16D-1.0*	80	GP		**SANDY GRAVEL (FILL)**, brown, fine to coarse, some fine-grained sand, damp, no hydrocarbon-like odors or staining. 2.0	0.0	Concrete
							CONCRETE DEBRIS. 4.0	0.0	
5		GP	EMW-16D-5.0*	100	SP		**SAND (FILL)**, brown, fine-grained, damp, no hydrocarbon-like odors or staining. 6.0	0.0	
				100	GP		**GRAVEL (FILL)**, coarse, few fine-grained sand, damp, no hydrocarbon-like odors or staining. 7.0		
			EMW-16D-7.5		SP		**SAND (FILL)**, brown, fine-grained, trace fine gravel, damp, no hydrocarbon-like odors or staining.	0.0	
10		GP	EMW-16D-10.0*	100			▼ @ 9.0 feet: Becomes wet. 10.5	0.0	
			EMW-16D-12.5		SM		**SILTY SAND (FILL)**, brown, very fine-grained, some fines, wet, no hydrocarbon-like odors or staining. 13.5	0.0	
15		GP	EMW-16D-15.0		SP		**SAND (FILL)**, brown, fine-grained, wet, no hydrocarbon-like odors or staining. 15.0	100	Hydrated bentonite chips
					SW		**SAND**, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining.	0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

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WELL NUMBER EMW-16D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
20		GP		100	SW		**SAND**, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0	
		GP	EMW-16D-20.0	100				0.0	
25		GP	EMW-16D-25.0	100				0.0	
		GP		100				0.0	
30		GP	EMW-16D-30.0	100				0.0	
								0.0	2"-diameter Sch. 40 PVC blank riser

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.
▼ Perched groundwater level at time of drilling.

(Continued Next Page)

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WELL NUMBER EMW-16D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
35		GP	EMW-16D-35.0	100	SW		**SAND**, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. *(continued)*	0.0	
		GP		100				0.0	
40		GP	EMW-16D-40.0					0.0	
		GP						0.0	10x20 silica sand pack
45		GP	EMW-16D-45.0	100				0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
								0.0	

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.
▼ Perched groundwater level at time of drilling.

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WELL NUMBER EMW-16D

CLIENT Crowley Marine Services **PROJECT NAME** 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 **PROJECT LOCATION** 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
50					SW		**SAND**, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. *(continued)* Geoprobe boring completed at 48.0 feet.		
							50.0 Boring completed at 50.0 feet.		2"-diameter Sch. 40 PVC end cap Native material (heave)

WELL COMPLETION DETAILS:

0.3 to 39.5 feet: 2"-diameter Sch. 40 PVC blank riser.
39.5 to 49.3 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.
49.3 to 49.5 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.5 feet: Concrete.
1.5 to 37.5 feet: Hydrated bentonite chips.
37.5 to 49.5 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.
* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.
GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.
Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.
▼ Perched groundwater level at time of drilling.

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

DEPARTMENT OF ECOLOGY
State of Washington

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.	
Facility/Site Name: 8th Avenue Terminals, Inc. Site	
Facility/Site Address: 7400 8th Avenue South, Seattle, Washington	
Facility/Site No: 1940187	VCP Project No.:

Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.		
Name: Mike Staton		Title: Principal Geologist
Organization: SLR International Corporation		
Mailing address: 22118 20th Avenue Southeast, Suite G-202		
City: Bothell	State: WA	Zip code: 98021
Phone: 425-402-8800	Fax: 425-402-8488	E-mail: mstaton@slrconsulting.com

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

☒ Yes *If you answered **"YES,"** then answer **Question 2.***

☐ No or Unknown *If you answered **"NO" or "UKNOWN,"** then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? *Check all that apply. Then skip to **Step 4** of this form.*

Point of Compliance: WAC 173-340-7491(1)(a)

☐ All soil contamination is, or will be,* at least 15 feet below the surface.

☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

☐ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

☒ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

☐ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

[±] "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

[#] "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No or Unknown *If you answered **"NO"** or **"UNKNOWN,"** then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 3** below.*

☐ No *If you answered **"NO,"** then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

☐ Yes *If you answered **"YES,"** then answer **Question 4** below.*

☐ No *If you answered **"NO,"** then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

☐ Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*

☐ Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? *Check all that apply. Then skip to **Step 4** of this form.*

Exposure Analysis: WAC 173-340-7492(2)(a)

☐ Area of soil contamination at the Site is not more than 350 square feet.

☐ Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

☐ No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. *See* WAC 173-340-7493(1)(c).

1. Was there a problem? *See* WAC 173-340-7493(2).

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No *If you answered **"NO,"** then identify the reason here and then skip to **Question 5** below:*

- ☐ No issues were identified during the problem formulation step.
- ☐ While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? *See* WAC 173-340-7493(3).

☐ Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*

☐ Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use? *Check all that apply. See* WAC 173-340-7493(3).

- ☐ Literature surveys.
- ☐ Soil bioassays.
- ☐ Wildlife exposure model.
- ☐ Biomarkers.
- ☐ Site-specific field studies.
- ☐ Weight of evidence.
- ☐ Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

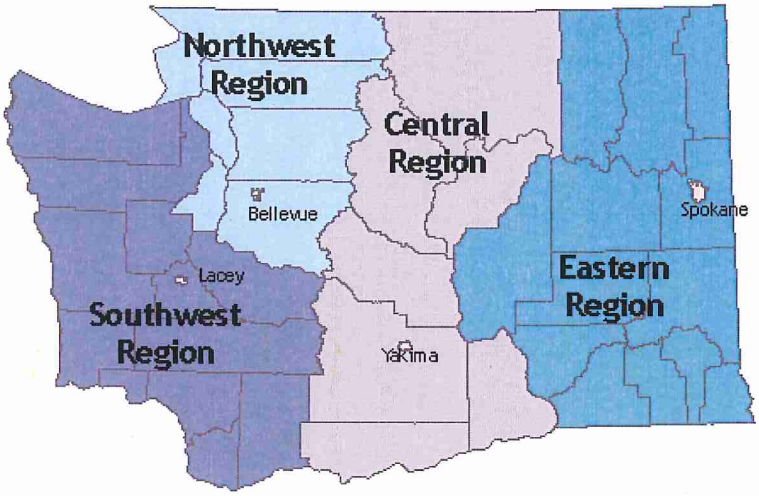
5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

☐ Yes If so, please identify the Ecology staff who approved those steps:

☐ No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: VCP Coordinator 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.