UST Decommissioning Report

Union 76 Mini Mart
13 East Main Street
Battle Ground, Clark County, Washington

July 9, 2014
Project No. 81127006

Prepared for:
CLMG Corporation
Plano, Texas

Prepared by:
Terracon Consultants, Inc.
Mountlake Terrace, Washington

Terracon

July 9, 2014

CLMG Corporation
7195 Dallas Parkway
Plano, Texas 75024

Attn: Mr. Richard Brown

Subject: UST Decommissioning Report {Client review draft}
Union 76 Mini Mart
13 East Main Street
Battle Ground, Clark County, Washington
Terracon Project No. 81127006

Dear Mr. Brown:

Terracon Consultants, Inc. (Terracon) is pleased to submit this UST Decommissioning Report documenting our observations, soil and groundwater compliance sampling, and laboratory analysis associated with the closure-in-place of three underground storage tanks (USTs), and the excavation and removal of three dispenser islands and associated product piping, at the above-referenced site. Our services were completed in accordance with our scope of services and cost estimate as outlined in our proposal (Terracon Proposal No. P81140069R, dated March 24, 2014), as authorized by CLMG Corporation (CLMG) on March 26, 2014.

We appreciate the opportunity to perform these services for CLMG. Please contact the undersigned at (425) 771-3304 if you have questions regarding the information provided in the report.

Sincerely,

Terracon Consultants, Inc.

Michael D. Noll, L.G., L.H.G.
Senior Project Manager

Matt Wheaton, E.I.T., L.G.
Department Manager

for

Adam A. Stauffer
Project Geologist

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APPENDICES

1.0 INTRODUCTION

In accordance with our March 2014 Proposal for UST Decommissioning, Terracon Consultants, Inc. (Terracon) was retained by CLMG Corporation (CLMG) to provide project management and oversight, and conduct soil and groundwater compliance sampling during closure-in-place underground storage tank (UST) decommissioning, and dispensers and product piping removal activities. The UST decommissioning and dispenser removal activities were performed by 3 Kings Environmental, Inc., (3 Kings) of Battle Ground, Washington. The sampling activities were conducted in general accordance with the requirements of the Underground Storage Tank Statute & Regulations, Chapter 173-360 Washington Administrative Code (WAC).

1.1 Site Description

Site Name	Union 76 Mini Mart/Former Jim's BP
Site Location/Address	13 East Main Street Battle Ground, Clark County, Washington 98604
General Site Description	The site consists of Clark County Tax parcel 91101110. The subject site is a 0.23-acre tract of land improved with an approximately 2,500-square foot convenience store.

A Site Diagram depicting the general layout of the site is included on Figure 1, as shown on a portion of the 1990 Battle Ground, Washington USGS Topographic map, and Figure 2, identifying the entire site and the location of the underground storage tanks (USTs), of Appendix A. A site plan depicting the sampling locations is included as Figure 3 of Appendix A.

1.2 Project Information and Previous Investigations

The site is located at 13 East Main Street in Battle Ground, Clark County, Washington. The site has been improved with a Union 76 gasoline station/convenience store, fueling island, associated asphalt paved parking areas, and associated landscaped areas. According to the Washington State Department of Ecology (Ecology) Tank Data Summary, the facility (UST Site 10745) is currently equipped with a steel, single wall 6,000-gallon gasoline tank (Tank ID 41562); a steel, single wall 4,000-gallon diesel tank (Tank ID 41525); and a fiberglass reinforced plastic (FRP) double wall 8,000-gallon unleaded gasoline tank (Tank ID 41554). According to Ecology records, the steel tanks were installed in 1985 and received an internal lining in October 2003. An impressed current system was installed in July 2003 to provide corrosion protection for the two steel tanks. The FRP tank was installed in 1991 following the removal of a single wall steel gasoline UST that was found to have leaked. The three tanks were temporarily closed in place in April 2012. The tanks were connected to three dispenser islands via pressurized double-wall flexible underground product piping. A canopy covered the dispenser islands.

1.2.1 Previous Release Investigation and Remediation

According to an Ecology report (*Feasibility Studies and Remedial Activities Conducted at Jim's BP*, dated June 30, 2000, the "2000 Ecology Report"), a release of gasoline-range total petroleum hydrocarbons (TPH) to the soil and groundwater was discovered in February 1991 during the removal of a 6,000-gallon, single wall, steel gasoline tank at the site, in the approximate location of the current 8,000-gallon FRP tank. Approximately 140 cubic yards (yds^3) of petroleum contaminated soil (PCS) were reportedly excavated and treated offsite. Soils with concentrations of gasoline-range TPH as high as 900 milligrams per kilogram (mg/kg) were reported from the tank removal excavation. Ecology entered into a Consent Decree (No. DE 91TC-S266) with the owner of the former Jim's BP station in 1992 and conducted a site characterization and remedial investigation/feasibility study (RI/FS) to determine the extent of gasoline-range TPH in the soil and groundwater on the site and offsite to the east.

Because of the site owner's inability to pay, Ecology assumed the lead on site closure activities after the tank removal in 1991. Ecology installed four groundwater monitoring wells (MW-1, MW-3, MW-5, and MW-6) in 1992 to depths ranging from 20 to 33 feet below the ground surface (bgs). According to Ecology, gasoline-range TPH and benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations in the soil samples collected from the well installation soil borings were below the laboratory method reporting limits (MRLs). The wells were sampled quarterly in 1992, semi-annually from 1993 to 1995, and annually in 1998 and 1999. Benzene (7 to 370 micrograms per liter [µg/L]) and gasoline-range TPH (1,000 to 4,900 µg/L) were detected at concentrations exceeding the Model Toxics Control Act (MTCA) Method A cleanup levels (5 and 800 µg/L, respectively) on multiple occasions in the groundwater samples collected from wells MW-5 and MW-6, located near the USTs. Ecology reported that the measured depth to groundwater ranged from approximately 13 to 23 feet below the top of the well casing (TOC) at wells MW-1 and MW-3, and from approximately 5 to 17 feet below TOC at wells MW-5 and MW-6. According to Ecology, the inferred groundwater flow direction was toward the northeast.

In order to further investigate the extent of residual soil contamination left in place in 1991 and the resulting groundwater impacts, Ecology oversaw the advancement of eight direct-push soil borings (SP-1 through SP-8) on the site, and offsite to the east, in August 1998. The borings were advanced to depths ranging from approximately 12 to 15 feet bgs. Soil and groundwater samples were collected from the borings for laboratory analysis. Ecology reported that gasoline-range TPH and BTEX concentrations in the soil and groundwater samples collected from the borings were all below the laboratory MRLs. In an effort to address the residual soil and groundwater impacts at the site, Ecology oversaw the advancement of 19 direct-push soil borings on the site, and offsite to the east, in April 1999. The borings were advance to approximately 15 feet bgs. Approximately 300 pounds of Regenesis oxygen release compound (ORC), composed of magnesium oxide, were injected into the groundwater zone in the borings to bioremediate the soil and groundwater.

Groundwater samples collected from wells MW-5 and MW-6 in December 1999 contained benzene (7 µg/L) and/or gasoline-range TPH (1,100 to 1,700 µg/L) at concentrations exceeding the MTCA Method A cleanup levels. These were the final groundwater samples collected at the site by Ecology. Based on the unsuitable nature of the groundwater for human consumption, Ecology concluded that any remaining soil or groundwater petroleum contamination did not pose a risk to human health or the environment, and that no further remedial action was necessary. Ecology issued No Further Action (NFA) letters to the owner of Jim's BP and to the adjacent property owner in April 2000.

1.2.2 Previous Investigations by Terracon

1.2.2.1 Phase I Environmental Site Assessment

Terracon previously prepared a Phase I Environmental Site Assessment (ESA) report (Project No. 81107758) for the site, dated June 29, 2010. Based on the findings of the Phase I ESA, Terracon identified the historical use of the site as a gasoline station and the presence of on-site USTs as recognized environmental conditions (RECs).

1.2.2.2 Limited Site Investigation

Terracon conducted a Limited Site Investigation (LSI) to assess the potential for soil and/or groundwater impacts that may have resulted from the previously discussed RECs, and prepared a report dated October 4, 2011 (Project No. 81117067). Four borings (B-1 through B-4) were advanced to approximately 10 feet bgs in the vicinity of the USTs and dispenser island (Figure 3). In addition, groundwater samples were collected from wells MW-3 and MW-5. Groundwater grab samples were also collected from the UST tank complex observation well and from soil boring B-3. With the exception of soil and a groundwater grab sample from B-3, all soil and groundwater samples were below MTCA Method A cleanup levels for gasoline-, diesel-, and oil-range TPH; BTEX; polynuclear aromatic hydrocarbons (PAHs); and cadmium, chromium, and lead. At B-3, gasoline-range TPH concentrations in the soil and in one grab groundwater sample exceeded MTCA Method A cleanup levels, with soil at 200 mg/kg in the sample collected at 6 to 8 feet bgs, and groundwater at 2,900 µg/L.

All available evidence indicates the limited contamination documented at B-3 is legacy contamination from the Ecology-led cleanup activities that occurred in the 1990s. The concentration of gasoline-range TPH in soil (200 mg/kg), appears to be well below the concentration of gasoline-range TPH left behind during the 1991 tank removal (900 mg/kg), and the lack of BTEX in the B-3 soil sample is suggestive of old, weathered gasoline-range TPH at this location. The groundwater at the site appeared to have naturally attenuated since the last Ecology-led activities at the site (December 1999), with no exceedances in the monitoring wells. The gasoline-range TPH exceedance in the grab sample collected from B-3 is likely due to sampling bias associated with collecting turbid water sample from a temporary well screen. Based on this information, Terracon concluded that additional investigation did not appear to be

warranted. This report was submitted to Ecology in May 2014 during the permitting process for the UST closure-in-place decommissioning work.

1.2.3 Temporary Closure of the UST System

Following the completion of a material inventory of the USTs in 2012, Terracon oversaw the completion of product cleanout, triple rinsing of the USTs, and flushing of the associated product piping. The cathodic protection system for the steel tanks, previously non-operational, was assessed and brought back into compliance. These activities were completed in preparation for placing the site into Temporary Closure per Revised Code of Washington (RCW) Chapter 90-76 and Chapter 173-360 WAC. The tanks were placed in temporary closure with Ecology in April 2012 and remained in temporary closure status.

1.2.4 UST System Closure Sampling Plan

At the request of Ecology (Ms. Terri Hoselton), Terracon prepared a *UST System Closure Sampling Plan*, dated March 31, 2014. The sampling plan indicated that four soil samples would be collected from the sidewalls of the USTs (from the north, east, south, and west edges of the UST complex) if depth to groundwater was above the base of the tanks, and that no samples would be collected from below the bottoms of the tanks. Instead, groundwater samples would be collected from the existing site monitoring wells. Ecology responded to the sampling plan in an email, and asked that four to five additional soil samples be collected from the USTs area. The additional soil samples were collected in May 2014, as described below.

1.3 Scope of Work

Terracon's services were completed in accordance with our scope of services and cost estimate as outlined in our proposal (Terracon Proposal No. P81140078R), dated March 24, 2014, as authorized by CLMG on April 10, 2014. Our scope of services included completion of the following tasks:

Task 1. Notified Ecology 30 days prior to the planned UST closure work. Mobilized to the site to provide project oversight, observation, and monitoring of activities associated with the permanent closure of the USTs, dispensers, and product piping.

Task 2. Visually inspected the dispensers and excavations to assess for indications of a release.

Task 3. Collected compliance soil samples from the sides of the UST complex and beneath the dispensers, and collected groundwater samples from the four existing site monitoring wells, in accordance with Washington State rules and regulations.

Task 4. Completed laboratory analyses of the soil and groundwater samples.

Task 5. Prepared this report summarizing the results of our findings, soil and groundwater quality in the area of the USTs and dispensers, and conclusions and recommendations for additional work, if any.

1.4 Project Objectives

The objectives of this project included providing project management and oversight of soil and groundwater sampling activities associated with the closure-in-place of three (3) gasoline and diesel fuel USTs, three (3) dispenser islands, and associated product piping. Terracon assessed for signs that may indicate a potential release. In the event analytical results indicated that a release had occurred, we would recommend additional steps to address PCS in the dispenser island excavation and the area surrounding the USTs.

1.5 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. Our services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-11.

1.6 Additional Scope Limitations

This report was intended to reduce, but not eliminate, uncertainty regarding the existence of recognized environmental conditions in connection with the subject site. Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this project. Subsurface conditions may vary from those encountered at the time of construction or at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services. If, during future site development, different subsurface conditions from those encountered during our explorations are observed or appear to be present, we must be advised promptly so that we can review these conditions and reconsider or modify our conclusions and recommendations where necessary.

1.7 Reliance

This UST Decommissioning Report is certified to, can be relied upon by, and has been prepared for the exclusive use of CLMG Corporation and their respective successors, assigns, affiliates, and subsidiaries. Use or reliance by any other party is prohibited without the written authorization of CLMG Corporation and Terracon.

2.0 SITE ASSESSMENT

2.1 Methodology

Terracon's site activities included the following tasks:

1. Observed and visually inspected condition of USTs, as observable from the ground surface;
2. Observed and visually inspected dispensers and dispenser island removals and excavation;
3. Soil and groundwater sampling;
4. Analytical laboratory testing;
5. Interpretation of analytical results;
6. Communicated analytical results to UST closure contractor for permits related to closing the USTs in place.

Each of these tasks is summarized below.

2.2 UST Closure and Dispenser/Dispenser Island Removals Compliance Sampling

2.2.1 Initial UST System Closure Compliance Samples

On April 28, 2014, Terracon arrived at the site to visually inspect the USTs from the ground surface, and to collect compliance soil and groundwater samples from the USTs area and the dispenser island. The on-site Washington State UST Site Assessor was Adam A. Stauffer of Terracon (ICC Certification #8208136). Upon arrival, Terracon met with 3 Kings personnel to discuss the project status. The USTs had previously been pumped and rinsed prior to being temporarily closed in place in April 2012. The dispensers had previously been removed by 3 Kings, but spill containment boxes and product piping were still in place at each former dispenser location.

Terracon measured the depth to the top and bottom of each of the tanks, using the exposed and opened tank access and fill pipes. The tops of the 4,000-gallon and 6,000-gallon steel USTs

were 2.5 feet bgs. The 4,000-gallon tank was approximately 6.5 feet in diameter, with the estimated bottom of the tank at 9 feet bgs. The 6,000-gallon tank was approximately 8 feet in diameter, with the estimated bottom of the tank at 10.5 feet bgs. The top of the 8,000-gallon FRP UST was 3 feet bgs. The 8,000-gallon tank was approximately 8 feet in diameter, with the estimated bottom of the tank at 11 feet bgs.

Terracon measured depth to groundwater in onsite wells MW-3 and MW-5, and in the UST observation well. Depth to groundwater in the UST observation well was approximately 5.5 feet bgs. Depth to groundwater in well MW-3 was approximately 20 feet bgs, and depth to groundwater in well MW-5 was approximately 6 feet bgs. Based on the measured depth to groundwater in the UST area (approximately 5.5 to 6 feet bgs) and the estimated depth to the bottoms of the USTs (9 to 11 feet bgs), the bottoms of the tanks appeared to be at least 3 feet below the groundwater level. Therefore, no compliance soil samples were collected from below the bottoms of the tanks.

Prior to Terracon's arrival, 3 Kings had excavated four UST compliance soil sampling locations to approximately 3.5 feet bgs using a mini-excavator. Soil samples were collected from the north (THN-6), east (THE-6.5), south (THS-6) and west (THW-5) edges of the tank complex at depths ranging from 5 to 6.5 feet bgs (approximate top of the groundwater table) using a clean hand auger (Figure 3). The hand auger was decontaminated between sample locations using an alconox wash and potable water rinse, followed by a distilled water final rinse. Hand auger refusal was encountered in the THW-5 sample location at 5 feet bgs. Terracon also collected groundwater samples from wells MW-3 and MW-5. Well purge and equipment decontamination water was discharged to the site soil at the USTs complex. Collected soil and groundwater samples are listed in Table 1 and Table 2, respectively, in Appendix B.

On April 29, 2014, 3 Kings demolished the dispenser island canopy, and excavated and removed the dispenser island. Following the removal of the dispenser island and associated dispenser spill containment boxes, Terracon's Site Assessor visually inspected the areas beneath each dispenser for any signs that may indicate a potential release. A small amount of petroleum-impacted pea gravel (less than ¼-yd^3) was noted at the south end of the dispenser island. No field indications of petroleum-impacted soil beneath the pea gravel were observed. The dispenser containment boxes appeared to be in good condition, with no obvious indications of holes or spills. Compliance soil samples were collected from beneath the west (DIW-2.5), central (DIC-2.5), and east dispenser (DIE-2.5) at approximately 2.5 feet bgs (Figure 3).

The exposed product piping in the spill containment boxes consisted of green flexible product piping with metal fittings. Short (less than 20 feet) lengths of flexible product piping connected the tanks to the dispensers; therefore, no compliance soil samples were collected from beneath the product piping. The product piping observed at the dispenser spill containment boxes appeared to be in good condition, with no apparent holes or leaks. Site photographs are included in Appendix C.

The April 2014 compliance sampling locations and results were communicated to 3 Kings and Ecology as part of the permit approvals required to complete the UST closure-in-place process. Copies of the permits and supporting documents are included in Appendix D. After review, Ecology contacted Terracon and requested that four to five additional compliance soil samples be collected from the north ends of the two northern tanks, and east and west ends of the southern tank.

2.2.2 Additional UST System Closure Compliance Samples

Terracon returned to the site on May 22, 2014, to collect additional compliance soil samples using a direct-push drilling rig owned and operated by Cascade Drilling L.P., a Washington-licensed driller. Two direct-push borings (B-5 and B-6) were advanced near the east and west ends of the southern UST, and two direct-push borings (B-7 and B-8) were advanced near the north ends of the two northern USTs (Figure 3). The borings were advanced to 8 feet bgs. The measured depth to groundwater in wells MW-5 and MW-6 on May 22, 2014, was 5.56 and 4.65 feet below TOC, respectively. Therefore, compliance soil samples were collected from the borings at 6 to 7 feet bgs (top of the groundwater table).

2.2.3 Compliance Soil Sample Descriptions

In general, subsurface soils consisted of stiff, gray to brown, sandy silt and silty sand to the bottom of the explorations. Copies of the boring logs for borings B-5 through B-8 are included in Appendix C.

The collected soil samples were assessed for petroleum hydrocarbon impacts via visual and olfactory indications, and by using a photoionization detector (PID) calibrated to 100 parts per million (ppm) isobutylene. Gray-stained soil with a hydrocarbon-like odor was noted for the soil sample collected from boring B-7 at 7 feet bgs. Gray soil with a slight hydrocarbon-like odor was also noted for soil sample THN-6 collected nearby at 6 feet bgs during the April 2014 compliance soil sampling work. No other indications of petroleum hydrocarbon impacts were observed. PID readings for the soil samples ranged from 0 to 307 ppm. The highest PID readings (24 to 307 ppm) were measured in the samples collected from borings B-5 through B-8 at 7 feet bgs.

2.3 Analytical Laboratory Testing

Soil and groundwater samples were placed into laboratory-provided glassware, and immediately placed into a cooler containing ice. Samples were delivered to a Washington State-accredited analytical laboratory in strict accordance with the industry standard chain-of-custody protocol. Each sample container was labeled with the site name, date, time, and sample number. Sample containers were placed in a chilled cooler immediately after sampling, and subsequently shipped to the analytical laboratory by Terracon under strict chain-of-custody procedures.

Soil and groundwater samples were submitted to a Washington State accredited laboratory for analysis for gasoline-range TPH and BTEX via Northwest Method NWTPH-Gx, and/or diesel- and oil-range TPH via Northwest Method NWTPH-Dx. Soil samples THN-6 and DIW-2.5, and the groundwater sample collected from monitoring well MW-5, were also analyzed for total lead via EPA Method 6010C. The executed chain-of-custody forms and laboratory analytical certificates are provided in Appendix E.

2.4 Analytical Laboratory Results

Soil and groundwater quality summary results are presented in Table 1 and Table 2, respectively (Appendix B). The complete laboratory reports and chain-of-custody forms are included in Appendix D. Additional discussion and interpretation of analytical results relative to applicable cleanup levels is included in Section 3.0.

Based on our site observations and the soil and groundwater analytical results, low concentrations of gasoline-range TPH, diesel-range TPH, and/or BTEX were identified in site soil, and in the groundwater sample collected from monitoring well MW-5. However, none of the concentrations exceeded the MTCA Method A cleanup level for soils or groundwater established under Chapter 70.105D RCW and its implementing regulation, MTCA Chapter 173-340 WAC.

2.5 Quality Assurance/Quality Control Results

The analytical results for the current investigation were checked for completeness immediately upon receipt from the laboratory to ensure that data and QA/QC information requested were present. Data quality was assessed by considering hold times, surrogate recovery, method blanks, matrix spike and matrix spike duplicate (MS/MSD) recovery, and detection limits. QA/QC review was completed using guidance described in *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (Draft Final, USEPA, 2005). Our evaluation assumes that the QA/QC is correct as reported by the laboratory, and merely provides an interpretation of the QA/QC results.

Hold Times. Analyses were completed within specified hold times.

Surrogate Recoveries. Surrogate recoveries were within laboratory limits.

Method Blanks. Analytes were not detected in the laboratory method blanks.

MS/MSD Results. MS and MSD recoveries were all within laboratory limits, and Relative Percent Differences (RPDs) between MS and MSD recoveries were all within laboratory limits.

Laboratory Reporting Limits. Reporting limits were below relevant MTCA cleanup levels.

Based upon our interpretation of quality control information provided by the laboratory, it is our opinion that the overall dataset is useable as qualified for the purposes of this report.

2.6 UST Closure-in-Place Decommissioning

On May 30, 2014, Terracon provided the final UST closure compliance sample results to 3 Kings for purposes of obtaining final approval from the City of Battle Ground and the Clark County fire marshal to complete the UST closure-in-place process. Terracon was not onsite during the tank cleaning or filling work, but 3 Kings provided a letter-report documenting the tank closure process (Appendix F).

In June 2014, 3 Kings accessed the USTs using confined space entry procedures and removed approximately 5 gallons of sludge material from each of the tanks. Following the tank cleanings, 3 Kings filled the USTs with controlled density fill (CDF) on June 9, 2014. A vibrator was used to ensure that the tanks were completely filled, including the spill buckets, sumps, and all tank openings. Following the UST closure process, 3 Kings paved the dispenser island area with asphalt pavement.

3.0 FINDINGS AND DISCUSSION

Terracon has completed this UST Decommissioning Report in support of documenting the closure-in-place decommissioning of three USTs, the demolition of the dispenser canopy, and the removal of three fuel dispensers, a concrete dispenser island, and associated product piping at the site.

The findings of this report are as follows:

- The three fuel USTs (one 4,000-gallon, one 6,000-gallon, and one 8,000-gallon tank) were inspected using confined space entry procedures, cleaned, rinsed, and closed in place by filling them with an inert substance (CDF), in general accordance with local and state regulations.
- During compliance soil sampling, some petroleum odors, staining, and elevated PID readings were noted in the samples collected on the north side of the UST complex. No other indications of a petroleum hydrocarbon release to the site soils was identified.
- Soil and groundwater sample analytical results for the UST area and the fuel dispenser island excavation were either reported as non-detect, or at concentrations well below the MTCA Method A cleanup levels. The low-level, residual, soil contamination in the north part of the UST complex is attributed to pre-1991 releases.
- Based on our site observations and analytical results, a reportable release of gasoline, diesel, or BTEX to the soil or groundwater from the UST system has not been identified

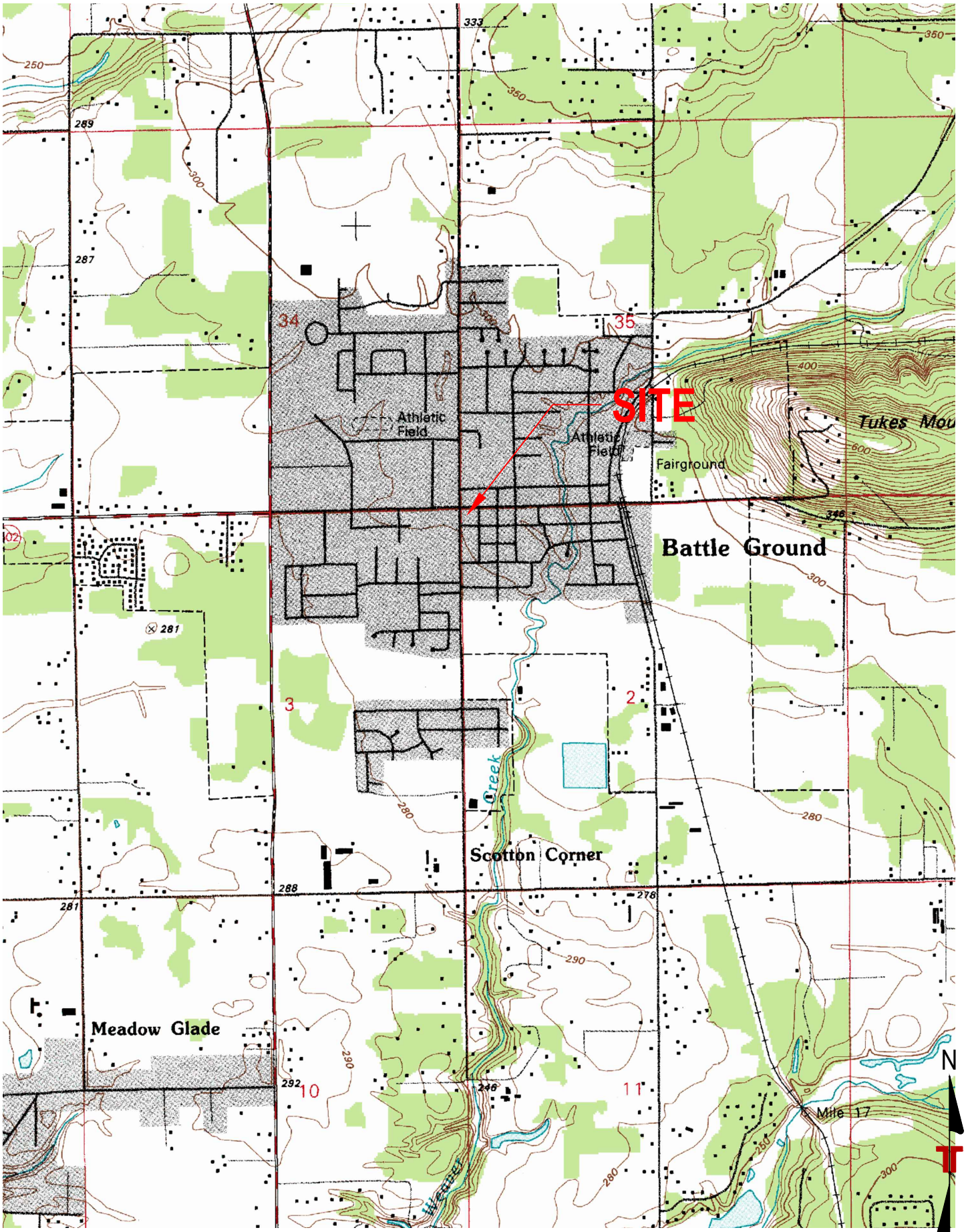
at concentrations exceeding the MTCA Method A cleanup levels established under Chapter 70.105D RCW and its implementing regulation, MTCA Chapter 173-340 WAC.

4.0 RECOMMENDATIONS

Based on our field observations and analytical laboratory results, additional site work associated with the UST system closure does not appear to be warranted. A copy of this report will be submitted to The Washington Department of Ecology Underground Storage Tank Section and the Southwest Regional Office, as required under MTCA Chapter 173-360 WAC. In addition, a copy of the report will be submitted to the City of Battle Ground, per their request as part of the SEPA and tank closure permit request.

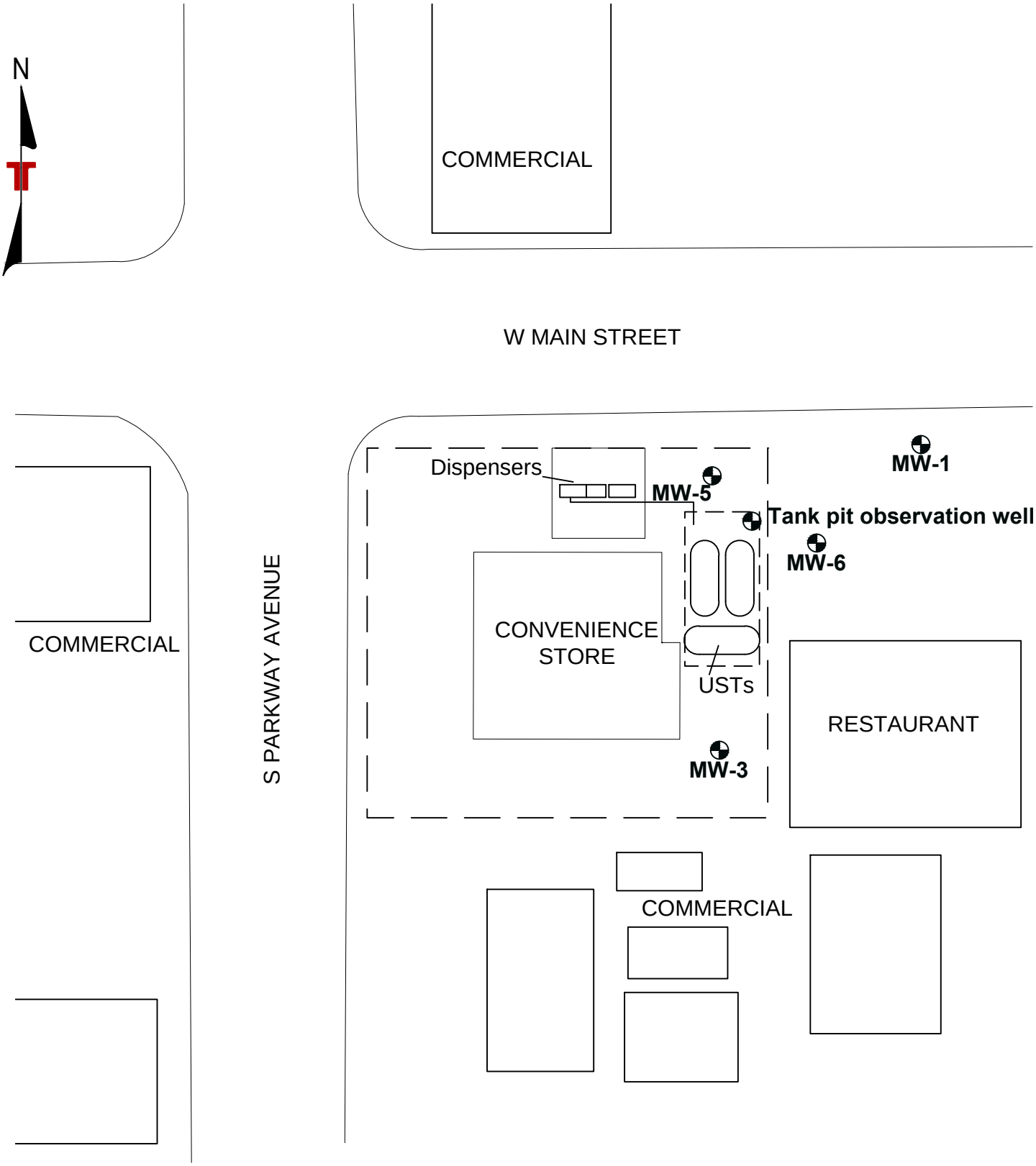
APPENDIX A

Figures



Project Mngr: EAD	Project No. 81127006	Terracon Consulting Engineers and Scientists	**TOPOGRAPHIC MAP**
Drawn By: EAD	Scale: Not to Scale	21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043	Union 76 Mini Mart
Checked By: EAD	File No. Figure1.dwg	PH. (425) 771-3304 FAX. (425) 771-3549	13 East Main Street
Approved By: MYW	Date: June 2014		Battle Ground, Clark County, Washington

FIG. No. 1



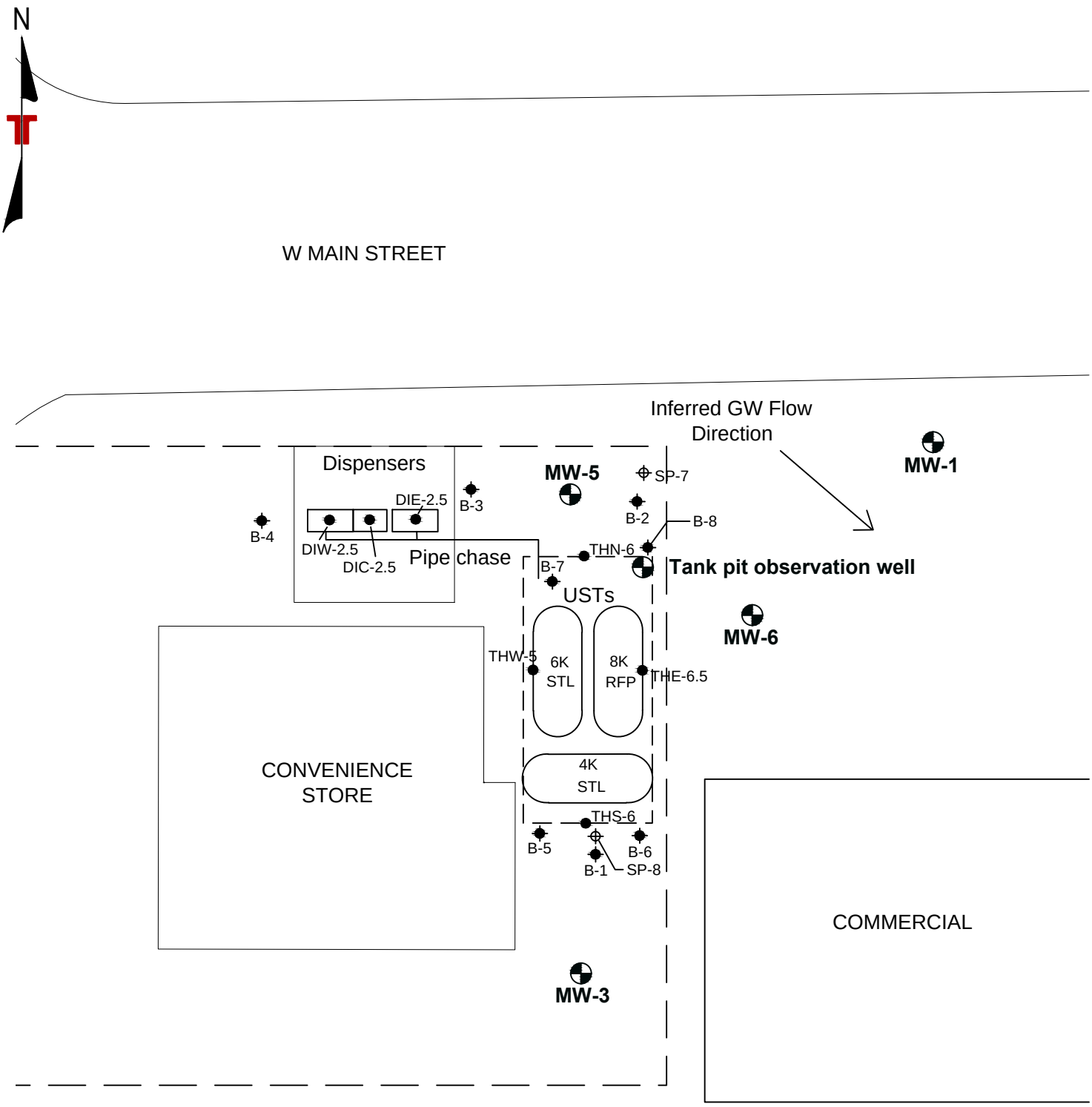
LEGEND:

MW-3 Groundwater monitoring well number and approx. location

approximate site boundary

Project Mngr: EAD	Project No. 81127006	Terracon Consulting Engineers and Scientists	**SITE DIAGRAM**
Drawn By: EAD	Scale: Not to Scale	21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043	Union 76 Mini Mart
Checked By: EAD	File No. Figure1.dwg	PH. (425) 771-3304 FAX. (425) 771-3549	13 East Main Street
Approved By: MYW	Date: June 2014		Battle Ground, Clark County, Washington

FIG. No. 2



LEGEND:

MW-3 (274.53) Groundwater monitoring well number and approx. location (Depth to Water)

SP-7 Ecology soil boring number and approx. location

THW-5 approx. sample location

B-1 Terracon 2011 soil boring number and approx. location

Project Mngr:	EAD
Drawn By:	EAD
Checked By:	EAD
Approved By:	MYW
Project No.	81127006
Scale:	Not to Scale
File No.	Figure1.dwg
Date:	June 2014

Terracon
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21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043
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SAMPLE LOCATION MAP

Union 76 Mini Mart
13 East Main Street
Battle Ground, Clark County, Washington

FIG. No. 3

APPENDIX B

Tables

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
Union 76 Mini Mart
13 East Main Street
Battle Ground, Clark County, Washington

all concentrations are in mg/kg (milligrams per kilogram)

Sample Location	Sample Number	Sample Date	Sample Depth (ft)	TPH			BTEX				Metals
				Gasoline-Range	Diesel-Range	Oil-Range	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
North End of USTs	THN-6	4/28/2014	6	**9.8**	--	--	**0.00084**	**0.0075**	**0.030**	**0.11**	**12**
East Side of USTs	THE-6.5	4/28/2014	6.5	ND (0.13)	--	--	ND (0.00067)	ND (0.0067)	ND (0.00067)	ND (0.0020)	--
South End of USTs	THS-6	4/28/2014	6	--	ND (5.0)	ND (13)	ND (0.00063)	ND (0.0063)	ND (0.00063)	ND (0.0019)	--
West Side of USTs	THW-5	4/28/2014	5	ND (0.12)	--	--	ND (0.00061)	ND (0.0061)	ND (0.00061)	ND (0.0018)	--
East Dispenser Island	DIE-2.5	4/29/2014	2.5	ND (0.13)	ND (5.2)	ND (13)	**0.0030**	**0.028**	**0.0039**	**0.031**	--
Center Dispenser Island	DIC-2.5	4/29/2014	2.5	ND (0.13)	ND (5.2)	ND (13)	**0.0017**	ND (0.0064)	ND (0.00064)	ND (0.0019)	--
West Dispenser Island	DIW-2.5	4/29/2014	2.5	ND (0.13)	ND (5.3)	ND (13)	ND (0.00066)	ND (0.0066)	ND (0.00066)	ND (0.0020)	**16**
South End of USTs	B-5-6	5/22/2014	6	**1.6**	ND (5.2)	ND (13)	ND (0.00066)	ND (0.0066)	ND (0.00066)	**0.011**	--
South End of USTs	B-6-7	5/22/2014	7	ND (0.64)	ND (5.1)	ND (13)	ND (0.0032)	ND (0.032)	ND (0.0032)	ND (0.0096)	--
North End of USTs	B-7-7	5/22/2014	7	**1.1**	ND (5.3)	ND (13)	ND (0.0033)	ND (0.033)	ND (0.0033)	**0.011**	--
North End of USTs	B-8-7	5/22/2014	7	ND (0.67)	ND (5.4)	ND (13)	ND (0.0034)	ND (0.034)	ND (0.0034)	ND (0.010)	--
MTCA Method A Cleanup Level				**30**	**2,000**	**2,000**	**0.03**	**7**	**6**	**9**	**250**

Note: Concentrations detected are in **BOLD** type. Shaded and bold concentrations are above MTCA cleanup levels.

TPH - total petroleum hydrocarbons

MTCA - Model Toxics Control Act

-- - not sampled

ND - Not detected above laboratory reporting limit.

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Union 76 Mini Mart
13 East Main Street
Battle Ground, Clark County, Washington

all concentrations are in µg/l (micrograms per liter)

Well Location	Sample Number	Sample Date	Groundwater Depth (ft)	TPH			BTEX				Metals
				Gasoline-Range	Diesel-Range	Oil-Range	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
MW-1	MW-1	4/29/2014	18.10	ND (<100)	ND (<100)	ND (<250)	ND (<0.50)	ND (<5.0)	ND (<0.50)	ND (<1.5)	--
MW-3	MW-3	4/28/2014	20.03	ND (<100)	ND (<100)	ND (<250)	ND (<0.50)	ND (<5.0)	ND (<0.50)	ND (<1.5)	--
MW-5	MW-5	4/28/2014	4.40	ND (<100)	**200**	ND (<250)	**0.73**	ND (<5.0)	**0.51**	**2.0**	ND (<5.0)
MW-6	MW-6	4/29/2014	4.09	ND (<100)	ND (<100)	ND (<250)	ND (<0.50)	ND (<5.0)	ND (<0.50)	ND (<1.5)	--
MTCA Method A Cleanup Level				**1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**15**

Note: Concentrations detected are in **BOLD** type.

TPH - total petroleum hydrocarbons

MTCA - Model Toxics Control Act

-- - not sampled

ND - Not detected above laboratory reporting limit.

APPENDIX C

Photographs and Boring Logs

Photo 1 Looking south at THN-6 sample location on the north end of the USTs complex. THE-6.5 and THW-5 sample locations in the left and right background, respectively.

Photo 2 Looking south at THW-5 sample location on the west side of the UST complex.

Photo 3 Looking into THW-5 sample location with groundwater in bottom.

Photo 4 Looking south at THS-6 sample location on the south end of the UST complex.

Photo 5 Looking into THE-6.5 sample location with typical surficial fill material in upper soil layer.

Photo 6 Looking southwest at the THS-6 sample location on the south end of the UST complex.

Photo 7 Looking west at the removed dispensers and canopy.

Photo 8 Looking east at the removed dispensers, UST complex in right background.

Photo 9 Looking west at convenience store building and dispenser island canopy (partially demolished). UST complex in foreground (center of complex below debris pile).

Photo 10 Looking west at dispenser island, canopy demolished.

Photo 11 View of dispenser island sump.

Photo 12 Looking northeast at dispenser island, breaking up/cutting concrete.

Photo 13 Looking northeast, pea gravel and green product piping exposed at dispenser island.

Photo 14 Looking northeast at dispenser island area, removing concrete debris in advance of collecting soil samples.

BORING LOG NO. B-5

PROJECT: Union 76 Mini Mart

CLIENT: CLMG Corporation

SITE: 13 East Main Street
Battle Ground, Washington

LOCATION See Exhbit A-2

GRAPHIC LOG	DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
	0.5	**FILL - AGGREGATE BASE COURSE**					
	1.5	**SANDY SILT/SILTY SAND (ML)**, low plasticity, gray, no odor, moist, medium stiff					3.9
	5.0	**SANDY SILT/SILTY SAND (SM)**, brown, no odor, moist, medium dense	5				
	6.0	**SANDY SILT/SILTY SAND (ML)**, low plasticity, brown, weak odor, moist, medium stiff					39
	8.0	***Boring Terminated at 8 Feet***					

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DIRECT PUSH

Abandonment Method:

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

NE

Terracon

Boring Started: 5/22/2014 | Boring Completed: 5/22/2014

Drill Rig: 6620DT | Driller: CASCADE

Project No.: 81127006 | Exhibit: B-1

BORING LOG NO. B-6

PROJECT: Union 76 Mini Mart

CLIENT: CLMG Corporation

SITE: 13 East Main Street
Battle Ground, Washington

LOCATION See Exhbit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
0.5	**FILL - AGGREGATE BASE COURSE**					
1.5	**SANDY SILT/SILTY SAND (ML)**, low plasticity, gray, no odor, moist, medium stiff					2.1
5.0	**SANDY SILT/SILTY SAND (ML)**, low plasticity, brown, weak odor, moist, stiff	5				24
8.0	***Boring Terminated at 8 Feet***					

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DIRECT PUSH

Abandonment Method:

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

NE

Terracon

Boring Started: 5/22/2014 | Boring Completed: 5/22/2014

Drill Rig: 6620DT | Driller: CASCADE

Project No.: 81127006 | Exhibit: B-2

BORING LOG NO. B-7

PROJECT: Union 76 Mini Mart

CLIENT: CLMG Corporation

SITE: 13 East Main Street
Battle Ground, Washington

LOCATION See Exhbit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
0.5						
1.0	**FILL - AGGREGATE BASE COURSE**					
	SANDY SILT/SILTY SAND (ML), low plasticity, brown, no odor, moist, medium stiff					<1
5.5		5				
	SANDY SILT/SILTY SAND (ML), low plasticity, gray, moderate odor, wet, medium stiff					307
8.0						
	Boring Terminated at 8 Feet					

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DIRECT PUSH

Abandonment Method:

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

NE

Terracon

Boring Started: 5/22/2014 | Boring Completed: 5/22/2014

Drill Rig: 6620DT | Driller: CASCADE

Project No.: 81127006 | Exhibit: B-3

BORING LOG NO. B-8

PROJECT: Union 76 Mini Mart

CLIENT: CLMG Corporation

SITE: 13 East Main Street
Battle Ground, Washington

LOCATION See Exhbit A-2

DEPTH	MATERIAL DESCRIPTION	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
0.5	**FILL - AGGREGATE BASE COURSE**					
1.5	**SANDY SILT/SILTY SAND (ML)**, low plasticity, brown, no odor, moist, medium stiff					<1
		5				
6.0	**SANDY SILT/SILTY SAND (ML)**, low plasticity, gray, weak odor, wet, medium stiff					25
8.0	***Boring Terminated at 8 Feet***					

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
DIRECT PUSH

Abandonment Method:

See Appendices for description of field procedures.
See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

NE

Terracon

Boring Started: 5/22/2014 | Boring Completed: 5/22/2014

Drill Rig: 6620DT | Driller: CASCADE

Project No.: 81127006 | Exhibit: B-4

APPENDIX D

Permits and Supporting Documents

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

FOR OFFICE USE ONLY
Site #:_____
Facility Site ID #:_____

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): 10745
Site/Business Name: 1st Choice Market/Union 76 Mini Mart
Site Address: 13 East Main Street (Street) Telephone: (___) (closed)
Battle Ground (City) WA (State) 98604 (Zip Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
1	6,000	unleaded gasoline
3	4,000	diesel
5	8,000	unleaded gasoline

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

_____ Investigate suspected release due to on-site environmental contamination.
_____ Investigate suspected release due to off-site environmental contamination.
_____ Extend temporary closure of UST system for more than 12 months.
_____ UST system undergoing change-in-service.
_____ UST system permanently closed with tank removed.
_____ Abandoned tank containing product.
_____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
X Other (describe): UST system permanently closed with tanks closed-in-place

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
1. The location of the UST site is shown on a vicinity map.	MSN	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	MSN	
3. A summary of UST system data is provided. (see Section 3.1.)	MSN	
4. The soils characteristics at the UST site are described. (see Section 5.2)	MSN	
5. Is there any apparent groundwater in the tank excavation?	MSN	
6. A brief description of the surrounding land use is provided. (see Section 3.1)	MSN	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	MSN	
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	MSN	
- groundwater samples distinguished from soil samples (if applicable)	MSN	
- samples collected from stockpiled excavated soil	N/A	
- tank and piping locations and limits of excavation pit	N/A	
- adjacent structures and streets	MSN	
- approximate locations of any on-site and nearby utilities	MSN	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	N/A	
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	MSN	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	N/A	

12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.		MSN

SITE ASSESSOR INFORMATION

Michael D. Noll
Person registered with Ecology

Terracon Consultants, Inc.
Firm Affiliated with

Business Address: 21905 64th Avenue West, Suite 100
Street

Telephone: (425) 771-3304

Mountlake Terrace | WA | 98043
City | State | Zip Code

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

7-1-2014
Date

Michael D Noll
Signature of Person Registered with Ecology

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

See back of form for instructions

FOR OFFICE USE ONLY
Site ID #: _____
Facility Site ID #: _____

Please ✓ the appropriate box(es)
☐ Temporary Tank Closure ☐ Change-In-Service ☒ Permanent Tank Closure ☐ Site Check/Site Assessment

Site Information

Site ID Number 10745
(Available from Ecology if the tanks are registered)
Site/Business Name 1st Choice Market
Site Address 13 East Main Street (Street)
City/State Battle Ground, WA
Zip Code 98604 Telephone (___) (closed)

Owner Information

UST Owner/Operator Sukhjit Cheema
Mailing Address 15035 SE Pinegrove Loop (Street)
(P.O. Box)
City/State Clackamas, OR
Zip Code 97015 Telephone (503) 516-3344

Owners Signature Cheema

Tank Closure/Change-In-Service Company

Service Company 3 Kings Environmental, Inc.
Certified Supervisor Brett MacDonald Decommissioning Certification No. 5071659
Supervisor's Signature _____ Date 6/17/2014
Address 1311 Grace Avenue, Suite 101 (Street)
Battle Ground WA 98604 Telephone (360) 666-5464
City State Zip Code (P.O. Box)

Site Check/Site Assessor

Certified Site Assessor Michael D. Noll
Address 21905 64th Avenue West, Suite 100 (Street)
Mountlake Terrace WA 98043 Telephone (425) 771-3304
City State Zip Code (P.O. Box)

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
1	6-11-2014	closed-in-place	6,000	Gasoline
3	6-11-2014	closed-in-place	4,000	Diesel
5	6-11-2014	closed-in-place	8,000	Gasoline

Contamination Present at the Time of Closure

☐ Yes ☒ No ☐ Unknown

Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

☐ Yes ☐ No

If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the Toxics Cleanup Program at 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

Instructions

AFTER COMPLETING THIS FORM. RETURN TO:

TOXICS CLEANUP PROGRAM
DEPARTMENT OF ECOLOGY
P.O. BOX 47655
OLYMPIA, WA 98504-7655

Please Read Carefully

This form is to be completed by the tank owner and submitted to Ecology within 30 days of tank closure. Mark the appropriate box(es) for temporary tank closure, permanent tank closure, change-in-service, or site assessment.

Permanent Closure and Change-In-Service require a site assessment be performed.

Site and Owner Information

Fill in the site and owner information. Include the Ecology site number, if known; also, be sure to provide telephone numbers so that any problems can be resolved quickly. **The tank owner MUST sign this form.**

Tank Closure/Change-In-Service Company and Site Check/Site Assessor

List the closure company and fill in the site assessor information for permanent closure or change-in-service. Ask to see the closure company supervisor's ICC Certification and make sure that the certified supervisor signs this form.

Please note: **Individuals performing services MUST be certified by the International Code Council (ICC), or other nationally recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.**

Tank Information and Contamination Present at Time of Closure

Please fill in the tank information requested using tank ID numbers previously reported to Ecology. In the column entitled "Closure Method," indicate what manner of closure was used, such as closure in place or removal. Check the appropriate box(es) indicating if contamination is present and has been reported. Contamination found or suspected at the site must be reported to the appropriate Ecology regional office within 24 hours [see below for telephone numbers]. **If contamination is confirmed, a site characterization report must be submitted to the regional office within 90 days; if contamination is not confirmed, then this form, a site assessment checklist, and a site assessment report must be submitted to the above address within 30 days.**

Central	Eastern	Southwest	Northwest
(509) 575-2490	(509) 329-3400	(360) 407-6300	(425) 649-7000

The following tanks are exempt from notification requirements:

- Farm or residential tanks, 1,100 gallons or less, used to store motor fuel for personal or farm use only. The fuel must not be for resale or used for business purposes.
- Tanks used for storing heating oil that is used on the premises where the tank is located.
- Tanks with a capacity of 110 gallons or less.
- Equipment or machinery tanks such as hydraulic lifts or electrical equipment tanks.
- Emergency overflow tanks, catch basins, or sumps.

For more information, call toll free in the state of Washington 1-800-826-7716 (Message).

DEPARTMENT OF ECOLOGY
State of Washington

UNDERGROUND STORAGE TANK (UST)
30-DAY NOTICE

(See back of form for instructions)

FOR OFFICE USE ONLY
Site ID # _____
FS ID # _____

Please ✓ the appropriate box: ☐ Intent to Install ☑ Intent to Close

HQ (360)407-7170 / Central (509)575-2490 / Eastern (509)329-3400 / Northwest (425)649-7000 / Southwest (360)407-6300

SITE INFORMATION

Tag or UBI number: _____

Site Name: 1st Choice Market - Battle Ground

Site Physical Address: 13 E. Main Street

City: Battle Ground Zip Code: 98604

Site Phone Number: _____

OWNER INFORMATION
(this form will be returned to this address)

UST Owner/Operator: Mr. Sukhjit Cheema

Mailing Address/PO Box: 15035 SE Pinegrove Loop

City: Clackamas, OR Zip Code: 97015

Owner/Operator Phone Number: (503) 516-3344

Owner/Operator Email Address: sscheema@yahoo.com

TANK INFORMATION

Tank ID	Substance Stored	Capacity	Date Project is Expected to Begin	Comments:
1	Reg. Gasoline	8,000	4/7/2014	All remaining USTs to be decommissioned in-place.
3	Diesel	4,000	4/7/2014	
5	Reg. Gasoline	4,000	4/7/2014	

1) SERVICE PROVIDER INFORMATION - check the appropriate boxes

PLEASE NOTE: INDIVIDUALS PERFORMING UST SERVICES MUST BE ICC CERTIFIED OR HAVE PASSED ANOTHER QUALIFYING EXAM APPROVED BY THE DEPARTMENT OF ECOLOGY.

☐ Installer ☑ Decommissioner ☑ Site Assessor

Service Provider Company Name: 3 Kings Environmental, Inc.

Certified Service Provider Name: Mr. Brett MacDonald

ICC Certification #: 5071659

Contact Person: Brett MacDonald

Contact Phone Number: (360) 907-4515

Contact Email Address: bmacdonald@3kingsinc.com

2) SERVICE PROVIDER INFORMATION (REQUIRED IF USING MORE THAN ONE PROVIDER) - check the appropriate boxes

☐ Installer ☐ Decommissioner ☐ Site Assessor

Service Provider Company Name: _____

Certified Service Provider Name: _____

ICC Certification #: _____

Contact Person: _____

Contact Phone Number: _____

Contact Email Address: _____

City of Battle Ground

Community Development Department
109 SW 1st Street, Suite 127, Battle Ground, WA 98604
(360) 342.5047 | Fax (360) 342-5049

April 9, 2014

Notice of Application and Likely SEPA Determination of Non-Significance (DNS)

Jims BP Union 76 Underground Storage Decommissioning.
SEPA Review (SEPA:03-14)

Date Application Submitted:	**April 2, 2014**
Application Technically Complete:	**April 2, 2014**
Notice of Application:	**April 9, 2014**
Site Posted:	**April 9, 2014**
Reflector Publication:	**April 9, 2014**

The city of Battle Ground is utilizing the optional determination of non-significance (DNS) process authorized by WAC 197-11-355 for this project. Based on the initial review of the proposed project, the City has determined that it expects to issue a DNS for the proposal, finding the project will not create probable significant adverse environmental impacts.

The comment period for this notice of application may be the only opportunity to comment on the environmental impacts of the proposal.

This notice is intended to inform potentially interested parties about the proposal; invite them to submit written statements for the record; and inform them of their right to receive a notice of the decision, including a notice of appeal rights.

Location: The proposal is at the Jims BP Union 76 Station located at 13 E. Main Street, Parcel #091101-110, Battle Ground, WA 98604. NW Quarter of Section 2, T: 3N, R: 2E, W.M.

Description: The applicant is proposing to decommission in-place 3 fuel tanks; one 8,000 gallon capacity, and two at 4,000 gallon capacity in addition to the removal of the three above ground fuel dispensers and canopy cover.

Applicant: Keith Singh, 805 W Main Street, City of Battle Ground, WA. 98604

Property Owner: CLMG Corporation, 7195 Dallas Parkway, Plano, TX 75024, Attn: Richard Brown.

Representative: 3-Kings Environmental, Inc. 1311 SE Grace Avenue, Battle Ground, WA, Brett MacDonald.

Comments: **Comments must be submitted by 5:00 pm, April 23, 2014.** Comments may be sent or faxed to: City of Battle Ground, 109 SW 1st Street, Suite 127, Battle Ground, WA 98604. Fax: (360) 342-5049. For further information regarding this proposal, please contact Dorothy Harrington, Community Development Technician, (360) 342-5041 or e-mail at dorothy.harrington@cityofbg.org.

Documents submitted include SEPA Environmental Checklist and Site Investigation from Terracon dated October 4, 2011.

City of Battle Ground

Community Development Department
109 SW 1st Street, Suite 127, Battle Ground, WA 98604
(360) 342.5047. Fax (360) 342-5049

Date Published: April 9, 2014

Date: April 9, 2014

Please find enclosed an environmental **Determination of Non-Significance** (DNS) issued pursuant to the State Environmental Policy Act (SEPA) Rules (Chapter 197-11, Washington Administrative Code). The enclosed review comments reflect evaluation of the environmental checklist by the lead agency as required by WAC 197-11-330 (1)(a)(i). You may comment on this determination within fifteen (15) days of its issuance, after which the DNS will be reviewed in light of the comments received.

Please address any correspondence to:

City of Battle Ground
Attn: Dorothy Harrington
109 SW 1st Street, Suite 127
Battle Ground, WA 98604
(360) 342-5042 [ph]
(360) 342-5049 [fx]
E-Mail: dorothy.harrington@cityofbg.org

DISTRIBUTION:

Federal Agencies:	U.S. Army Corps of Engineers
	Environmental Protection Agency
	National Marine Fisheries Service
State Agencies:	Washington State Dept. of Fish and Wildlife Service
	Department of Ecology
	Department of Transportation
	Department of Health, Environmental Health Division
	Department of Natural Resources
	Office of Archaeology and Historic Preservation
	Southwest Clean Air Agency
Regional Agencies:	Lower Columbia Fish Recovery Board
	Clark County Health District
	Fort Vancouver Regional Library
	Battle Ground Public Library
Local Agencies:	City of Battle Ground
	Public Works Department
	Police Department
	Clark County Fire & Rescue
	Clark County
	Sheriff's Department
	Community Development
	Public Works
	Department of Public Services
	Wastewater Treatment
Other Agencies:	Battle Ground School District
	Clark Regional Wastewater District
Other:	Applicant
	Owner
	The Reflector
	Clark County Natural Resource Council
	C-TRAN
	City of Battle Ground Council Members (7)

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:
Jims BP, Inc. Union 76 UST System Decommissioning

2. Name of applicant: Mr. Keith Singh
3. Address and phone number of applicant and contact person:
805 W. Main Street Battle Ground, WA 98604 (541) 223-6228 (Mr. Singh)

4. Date checklist prepared: 4/3/2014
5. Agency requesting checklist: City of Battle Ground, WA
6. Proposed timing or schedule (including phasing, if applicable):
4/21/2014-4/30/2014 UST Decommissioning, Canopy Removal and Dispenser Removal

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Silt loam

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

~10 cy of filling associated with canopy and dispenser removal. USTs will be filled in-place w/ ~40 cy.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

No

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

95+%

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Straw wattles around exposed soil.

a. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Concrete dust or petroleum vapors.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Dust-control, if needed. Minimize work during windy days.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Precipitation will be source of surface water. Catch basin inserts will be used to minimize sediment transport.

2) Could waste materials enter ground or surface waters? If so, generally describe.

No

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Careful work during UST cleaning. No storage of impacted materials without HDPE liner both beneath and over stockpile.

4. **Plants**

a. Check or circle types of vegetation found on the site:

N/A deciduous tree: alder, maple, aspen, other
N/A evergreen tree: fir, cedar, pine, other
N/A shrubs
N/A grass
N/A pasture
N/A crop or grain
N/A wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
N/A water plants: water lily, eelgrass, milfoil, other
N/A other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

None

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None

5. **Animals**

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other:

None

b. List any threatened or endangered species known to be on or near the site.

None

3) Proposed measures to reduce or control noise impacts, if any:

None

8. **Land and shoreline use**

a. What is the current use of the site and adjacent properties?

Vacant (site). Commercial and residential surrounding.

b. Has the site been used for agriculture? If so, describe.

No

c. Describe any structures on the site.

Single ~1,200 sf single-story building. Former Convenience Store.

d. Will any structures be demolished? If so, what?

No structure. Canopy and fuel island will be demolished.

e. What is the current zoning classification of the site?

D

f. What is the current comprehensive plan designation of the site?

D

g. If applicable, what is the current shoreline master program designation of the site?

N/A

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No

i. Approximately how many people would reside or work in the completed project?

One or Two

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

N/A

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

12. **Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity?

Athletic fields ~1,000' North of site.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

N/A

13. **Historic and cultural preservation**

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

No

c. Proposed measures to reduce or control impacts, if any:

N/A

14. **Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

E. Main Street to the North.
S. Parkway Avenue to the West.
Single entrance to site along S. Parkway Ave. Remainder will be fenced.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No

c. How many parking spaces would the completed project have? How many would the project eliminate?

~60 / None

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No

TO BE COMPLETED BY APPLICANT

EVALUATION FOR
AGENCY USE ONLY

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

UST System decommissioning may increase petroleum vapors to air short-term.

Proposed measures to avoid or reduce such increases are:

Minimize vapor generating activities.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Potential petroleum release may impact.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

Careful work. Properly secure site and stockpiles.

3. How would the proposal be likely to deplete energy or natural resources?

Not likely.

Proposed measures to protect or conserve energy and natural resources are: N/A

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

No Impact

Proposed measures to protect such resources or to avoid or reduce impacts are:

N/A

FIGURE 2: SITE MAP

Singh UST Decommissioning Project
13 E. Main Street
Battle Ground, Washington
3 Kings Job Number: 214048

3 Kings Environmental, Inc.

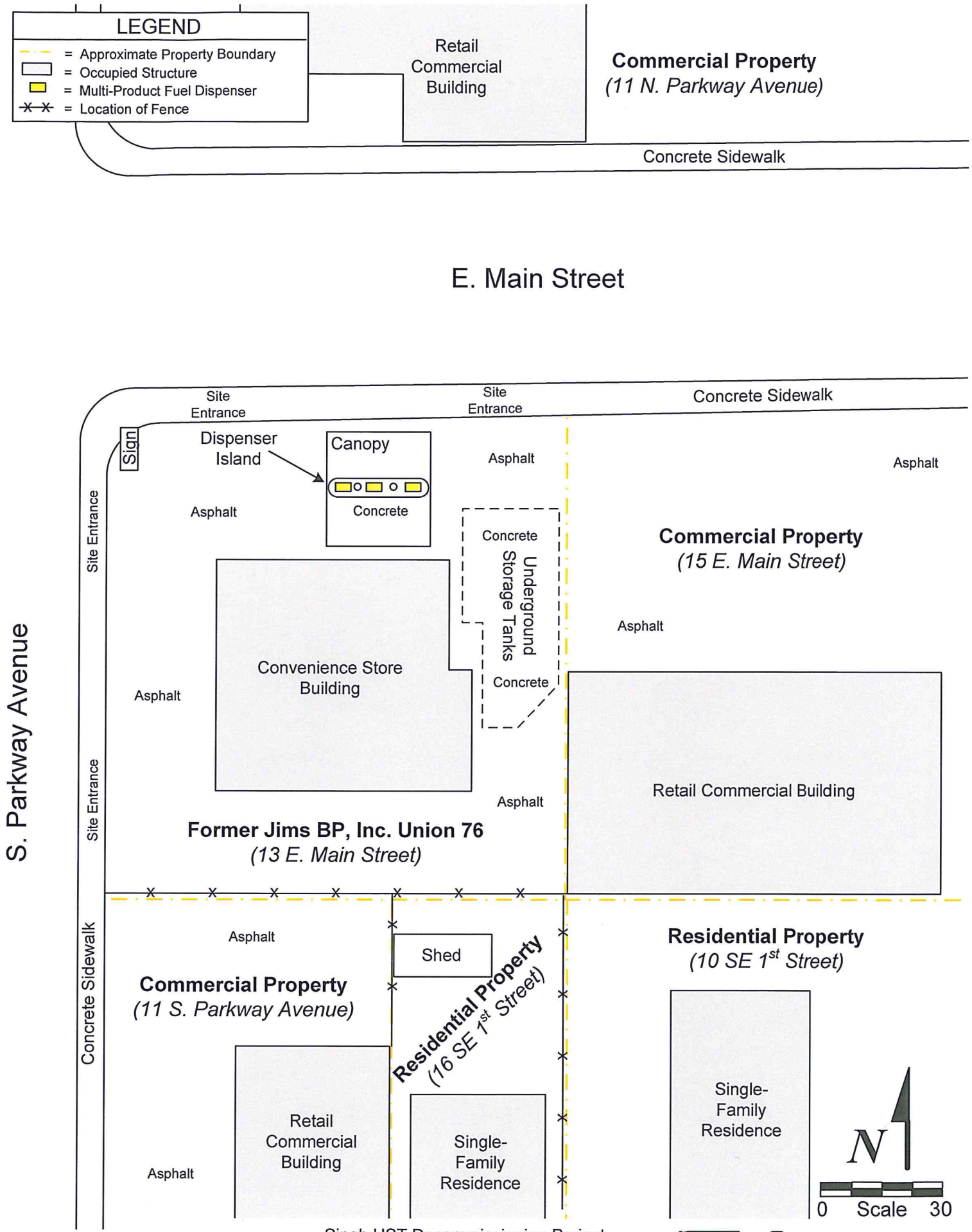

FIGURE 3: EXISTING CONDITIONS PLAN

Singh UST Decommissioning Project
13 E. Main Street
Battle Ground, Washington
3 Kings Job Number: 214048

3 Kings Environmental, Inc.

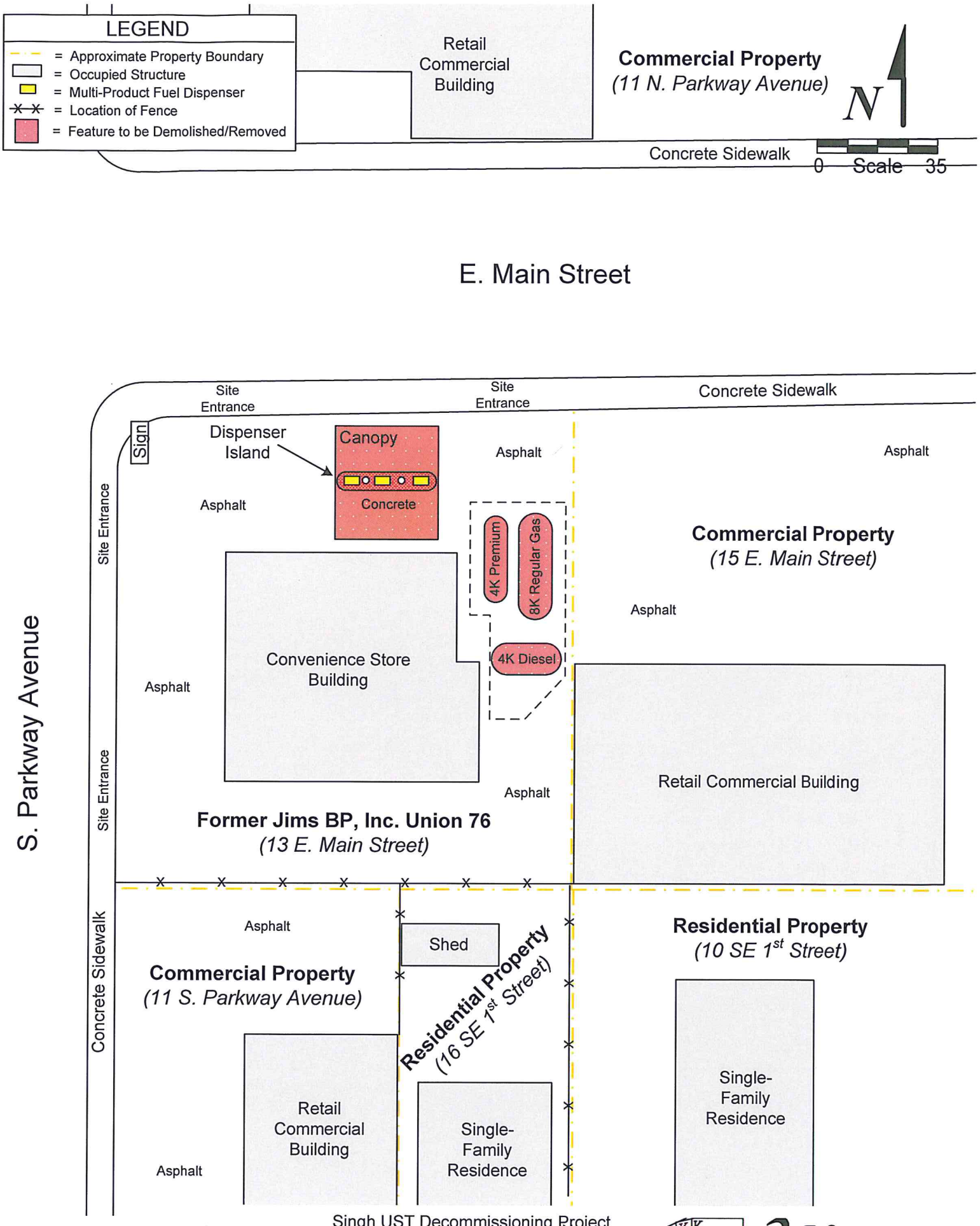

FIGURE 4: SITE PLAN

Singh UST Decommissioning Project
13 E. Main Street
Battle Ground, Washington
3 Kings Job Number: 214048

3 Kings Environmental, Inc.

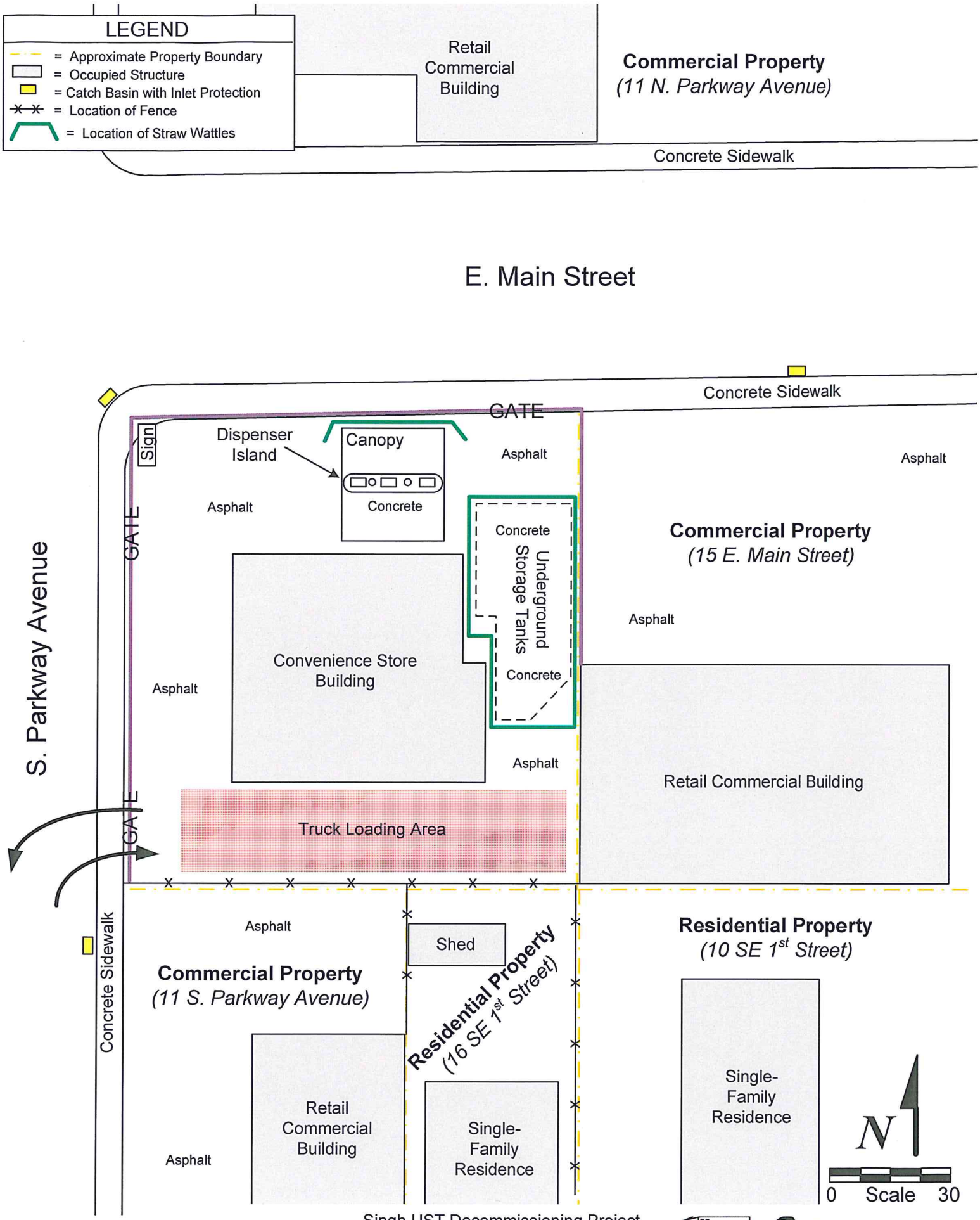

FIGURE 5: TESC & TRAFFIC CONTROL PLAN

Singh UST Decommissioning Project
13 E. Main Street
Battle Ground, Washington
3 Kings Job Number: 214048

3 Kings Environmental, Inc.

CITY OF BATTLE GROUND INSPECTION RECORD CARD
DEMOLITION

Permit Number: DEMO: 14-145

Owner/Contractor: CLMG CORP / 3-Kings Environmental

Building Address: 13 E Main St.

Phone Numbers

Electrical	360-896-2300
Health Dept.	360-397-8428
Fire Marshal	360-397-2186

Call (360)342-5085 for INSPECTIONS (or FAX Inspection Request to: (360)342-5049)

•All Inspection Requests must be called before 7a.m. for same day inspections•

•Inspection Times are 9:00am – 12:00pm and 1:00pm – 4:00pm Monday thru Friday•

• To CANCEL an inspection; please call (360) 342-5046 •

SETBACKS AND FOUNDATION								
CALL NUMBER		APP. BY	DATE	NOTES	APP. BY	DATE	CALL NUMBER	
410	Erosion Control						Construction Fence	100

UNDERGROUND AND UTILITIES								
CALL NUMBER		APP. BY	DATE	NOTES	APP. BY	DATE	CALL NUMBER	
205	Groundwork Plumbing						Water Service	230
220	Sewer						Water Service Disconnect	231
221	Sewer Cap Disconnect						Utility Disc/Elec/Gas	233
222	Septic Decommission							

MISCELLANEOUS INSPECTIONS								
CALL NUMBER		APP. BY	DATE	NOTES	APP. BY	DATE	CALL NUMBER	
410	Erosion Control						Miscellaneous	420

FINAL BUILDING NSPECTIONS								
CALL NUMBER		APP. BY	DATE	NOTES	APP. BY	DATE	CALL NUMBER	
599	**Job Complete**							

This card shall be maintained in a conspicuous place on the job. Please call for all inspections. Inspections will be made the following working day.

NOTICE: - Approved building plans required on job site at time of each and every inspection.

NOTE: If work is not marked approved, make corrections noted under remarks or correction notice and call for another inspection before continuing work. Permit expires 181 days after last inspection.

_____/_____

S.W.W. Health Department Date

_____/_____

FIRE MARSHAL Date

_____/_____

JOB COMPLETED Date

PREPARED 4/01/14, 11:01:27 PAYMENTS DUE RECEIPT
CITY OF BATTLE GROUND PROGRAM BP820L

APPLICATION NUMBER: 14-00000145 13 E MAIN ST

FEE DESCRIPTION	AMOUNT DUE
DEMOLITION PERMIT	217.00
STATE BLDG CODE 6008	4.50
TOTAL DUE	221.50

Please present this receipt to the cashier with full payment.

76 Station
Demo
Candy & Dispensers only.

APPROVED
Reviewed for Code Compliance
APR 2 2 2014
City of Battle Ground
Building Division

City of Battle Ground

Community Development Department
Building Division
109 SW 1st Street, Suite 123, Battle Ground, WA 98604
Phone # (360) 342-5046, Fax # (360) 342-5049

For Office Use Only:
Date Received: 4/1/14
Permit Number:
DEMO: 14-145

RECEIVED
APR 01 2014
CITY OF BATTLE GROUND
BUILDING DIVISION

DEMOLITION PERMIT APPLICATION

NOTE: Demolition Permits for five or more residential units and/or Commercial Projects of 4001Sq.Ft. or more need SEPA Review.

APPLICANT: 3 Kings Environmental, Inc. Phone: (360) 907-4515 Fax: (360) 666-8202
Mailing Address: 1311 SE Grace Avenue Battle Ground State: WA Zip Code: 98604
Email Address: bmacdonalde 3kingsinc.com

PROPERTY OWNER: CLMG Corporation Phone: (469) 467-5691 Fax: (972) 309-3784
Mailing Address: 7195 Dallas Parkway Plano State: TX Zip Code: 75024

CONTRACTOR: 3 Kings Environmental, Inc. Phone: (360) 907-4515 Fax: (360) 666-8202
Contractor's License # 3KINGEI036K3 City Business License # (Required) 13 00003046
Mailing Address: 1311 SE Grace Avenue Battle Ground State: WA Zip Code: 98604
Email Address: bmacdonalde 3kingsinc.com

Project Name: Singh UST Decom & Canopy Demo Tax Lot # 91101110
Site Address: 13 E. Main Street Battle Ground Lot #: _____ Zoning: _____
Building Area (Sq. Ft.): ~1,200 sf No. of Floors: One No. of Buildings: One
Type of Construction: _____ Please check one: Residential ( ) Commercial (✓)

Scope of Work:
Demolish fuel canopy, remove fuel dispensers and decom USTs.
~~See Attached~~ Separate Permit for USTs

(Please include an area map and a detailed site clean-up plan with application, ALONG WITH YOUR APPROVED SW CLEAN AIR AGENCY DEMOLITION PERMIT)

I hereby certify that the above information is correct and that the demolition performed on, and the occupancy and use of, the above-described property will be in accordance with the laws, rules and regulations of the State of Washington and City of Battle Ground.

Signature of Applicant: [signature] Date: 4/1/2014

Signature of Property Owner/Representative: See Attached Proposal Date: _____
(REQUIRED)

For official use only:
Entered by: _____ Fees Due: $ 221.50 Receipt # 15963 Received by: JJ

CITY OF BATTLE GROUND
COMMUNITY DEVELOPMENT DEPARTMENT
PLANNING DIVISION: (360) 342-5047 / BUILDING DIVISION (360) 342-5046

OWNER AUTHORIZATION FORM

X CXA CORP. (Owner name) is ~~am~~ the owner of the Property (Parcel or building)

located at 13 E. Main Street (Site address) in Battle Ground, Washington, and as such

authorize 3 Kings Environmental, Inc (Name of applicant) to submit the following (select all that apply):

☐ Land Use Application

☐ Building Permit Applications (including Mechanical and Plumbing, if applicable)

☑ Other (please specify) Demolition Permit for Canopy

for the purpose of UST Decom & Canopy Demo Project (Name of project).

Owner Signature

4-1-14
Date

KENT TWITCHELL SR. V.P.
Print Owner Name

NOTIFICATION OF DEMOLITION

Southwest Clean Air Agency
11815 NE 99th Street, Suite 1294
Vancouver, WA 98682
Voice: (360) 574-3058 Fax: (360) 576-0925
www.swcleanair.org

(10 working day waiting period from date submitted)

Notification #	**Notification Fee: $50.00** **Emergency Fee: $100.00**	Date Received
14-127	$50.00 / 28031	RECEIVED MAR 27 2014 SOUTHWEST CLEAN AIR AGENCY SWCAA Reviewed

1. TYPE OF NOTIFICATION (☒ Original ☐ Revised ☐ Cancelled):

2. TYPE OF OPERATION ☐ Partial Demolition ☒ Complete Demolition ☐ Ordered Demolition
☐ Emergency Demolition ☐ Fire Training

3. FACILITY DESCRIPTION (Example: Residence, Barn, Carport) Fuel Canopy

Commercial Name or Description: Former Union 76 Station

Address: 13 E. Main Street

City: Battle Ground	State: WA	County: 98604
Present use: Vacant Commercial (Planned Retail Facility)	Prior use: Former Retail Fuel Facility and Convenience Store	

4. FACILITY INFORMATION

Owner Name: CLMG Corporation	Mailing Address: 7195 Dallas Parkway	
City: Plano	State: TX	Zip Code: 75024
Contact: Mr. Richard Brown		Phone: (469) 467-5691

5. NAME AND AHERA CERTIFICATION NUMBER OF ASBESTOS INSPECTOR: Mr. Jason Hawks (10031302)

6. ATTACH A COPY OF THE ASBESTOS INSPECTION REPORT
Report must include laboratory name, analyst, sample type, location sample was taken and analytical method used to detect the presence of asbestos materials.

7. ASBESTOS REMOVAL CONTRACTOR (IF APPLICABLE): ☐ ***No asbestos present, see attached AHERA Report***

Name:	Address:	
City:	State:	Zip Code:
Contact:		Phone:

8. DATES ASBESTOS REMOVAL OCCURRED (mm/dd/yy) Start: _____ Complete: _____ Asbestos Case Number: _____

9. DATES DEMOLITION WILL OCCUR (mm/dd/yy) Start: 04/14/2014 Complete: 04/18/2014

10. DEMOLITION CONTRACTOR or FIRE DEPARTMENT:

Name: 3 Kings Environmental, Inc.

Address: 1311 SE Grace Avenue

City: Battle Ground	State: WA	County: Clark

Contact and Phone # : (360) 907-4515

11. DESCRIPTION OF PLANNED DEMOLITION WORK, METHOD(S) TO BE USED: Demo with Excavator with recycling of metallic portion and disposal of remainder.

12. FUGITIVE EMISSIONS/DUST FROM DEMOLITION ACTIVITIES ***MUST*** BE CONTROLLED/PREVENTED DURING ALL PHASES OF THE PROJECT.

13. IF UNEXPECTED ASBESTOS CONTAINING MATERIAL (ACM) IS FOUND DURING DEMOLITION, STOP WORK, NOTIFY SWCAA AND CONSULT/HIRE A CERTIFIED ASBESTOS ABATEMENT CONTRACTOR.

14. IF DEMOLITION IS ORDERED BY A GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY BELOW:	
Name:	Title:
Agency:	
Date of Order (mm/dd/yy):	Date Ordered to Begin (mm/dd/yy):
15. FOR EMERGENCY DEMOLITIONS: **(Contact SWCAA prior to work)**	
Date and Hour of Emergency (mm/dd/yy) (hh/mm):	
Description of the Sudden, Unexpected Event:	
EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS OR WOULD CAUSE EQUIPMENT DAMAGE OR AN UNREASONABLE BURDEN: (ATTACH ADDITIONAL PAGE IF NECESSARY)	
16. **I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.**	

Brett MacDonald (Type or Print Name) — (Signature of Owner/Operator) — 3/26/2014 (Date)

HAVE YOU PERFORMED A HAZARDOUS MATERIALS ASSESSMENT ON THE STRUCTURE? ☐ YES ☐ NO

The Washington State Dangerous Waste Regulations (WAC 173-303) require that demolition debris be evaluated to determine if it is dangerous. The evaluation should be completed before demolition to ensure that hazardous constituents are not released to the environment and do not present a risk to human health during or after demolition. These requirements apply to all buildings being demolished and are the responsibility of the property owner. The Washington Department of Ecology's website, http://www.ecy.wa.gov/programs/hwtr/demodebris/index.html, provides more information about the requirements and about sampling and testing construction materials to determine if they present a risk. For more information please contact Rob Rieck at the Washington Department of Ecology: 360-407-6751 or rori461@ecy.wa.gov.

ACM survey pending. Will complete by 4/14/14.

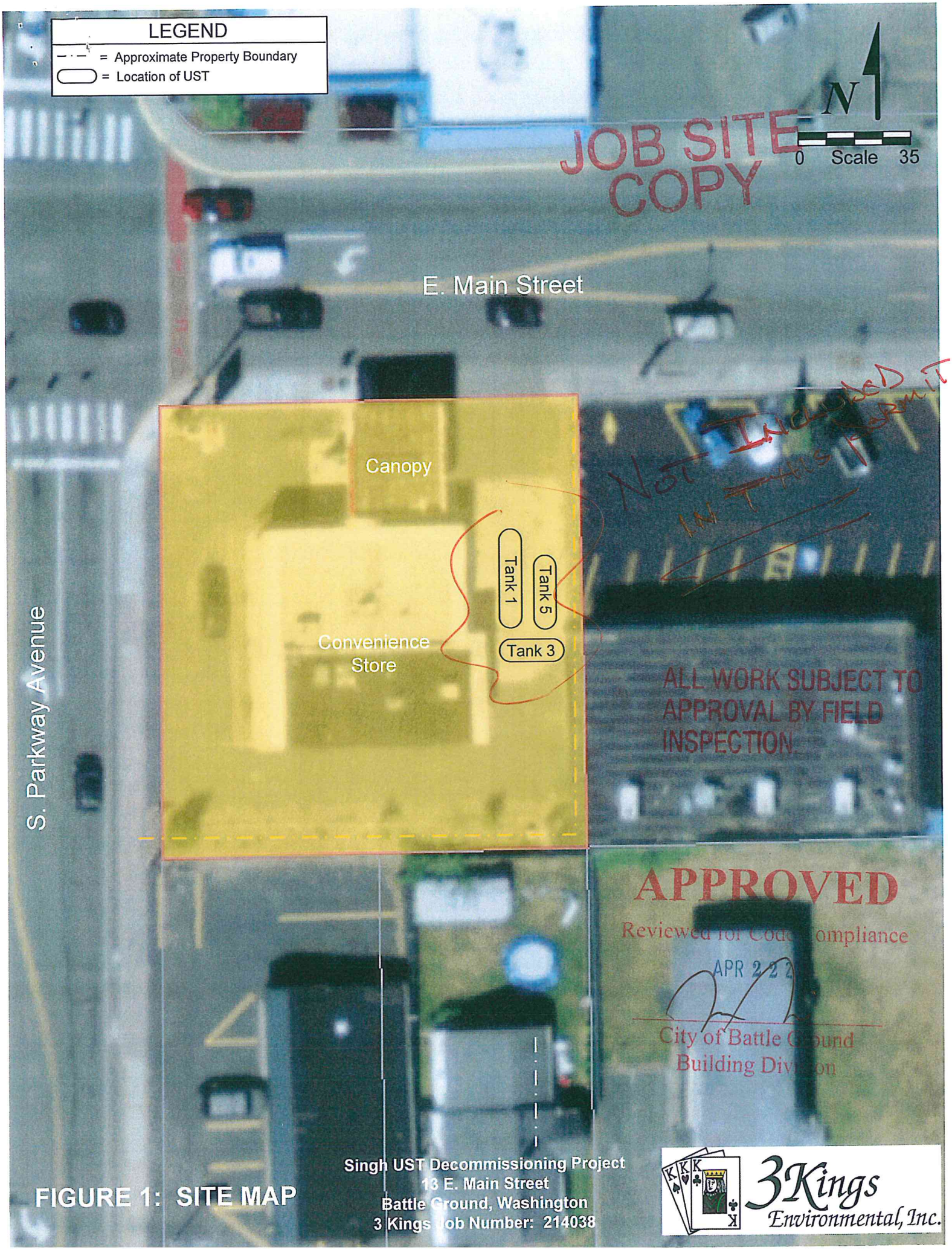

FIGURE 1: SITE MAP

Singh UST Decommissioning Project
13 E. Main Street
Battle Ground, Washington
3 Kings Job Number: 214038

3 Kings Environmental, Inc.

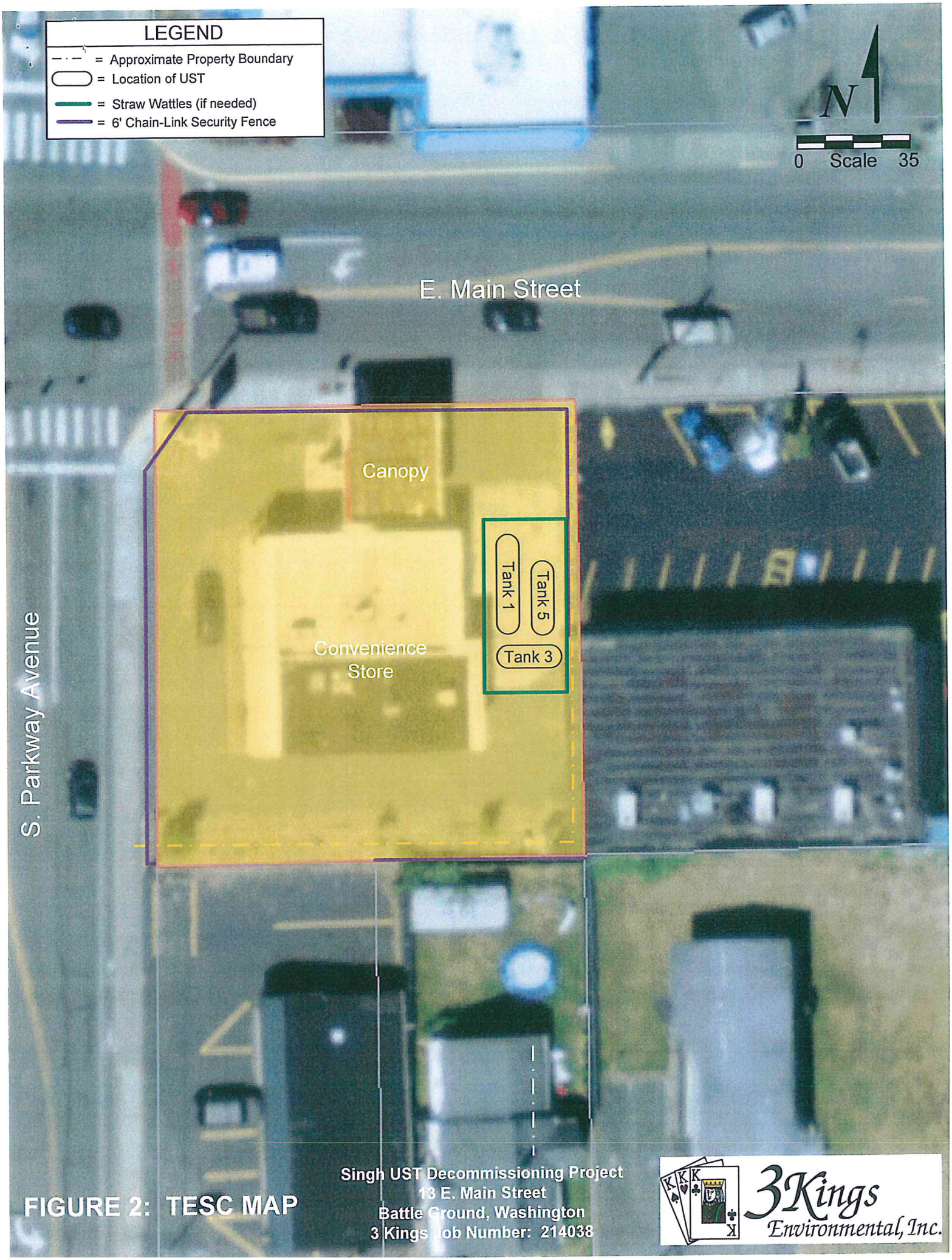

FIGURE 2: TESC MAP

Singh UST Decommissioning Project
13 E. Main Street
Battle Ground, Washington
3 Kings Job Number: 214038

3 Kings Environmental, Inc.

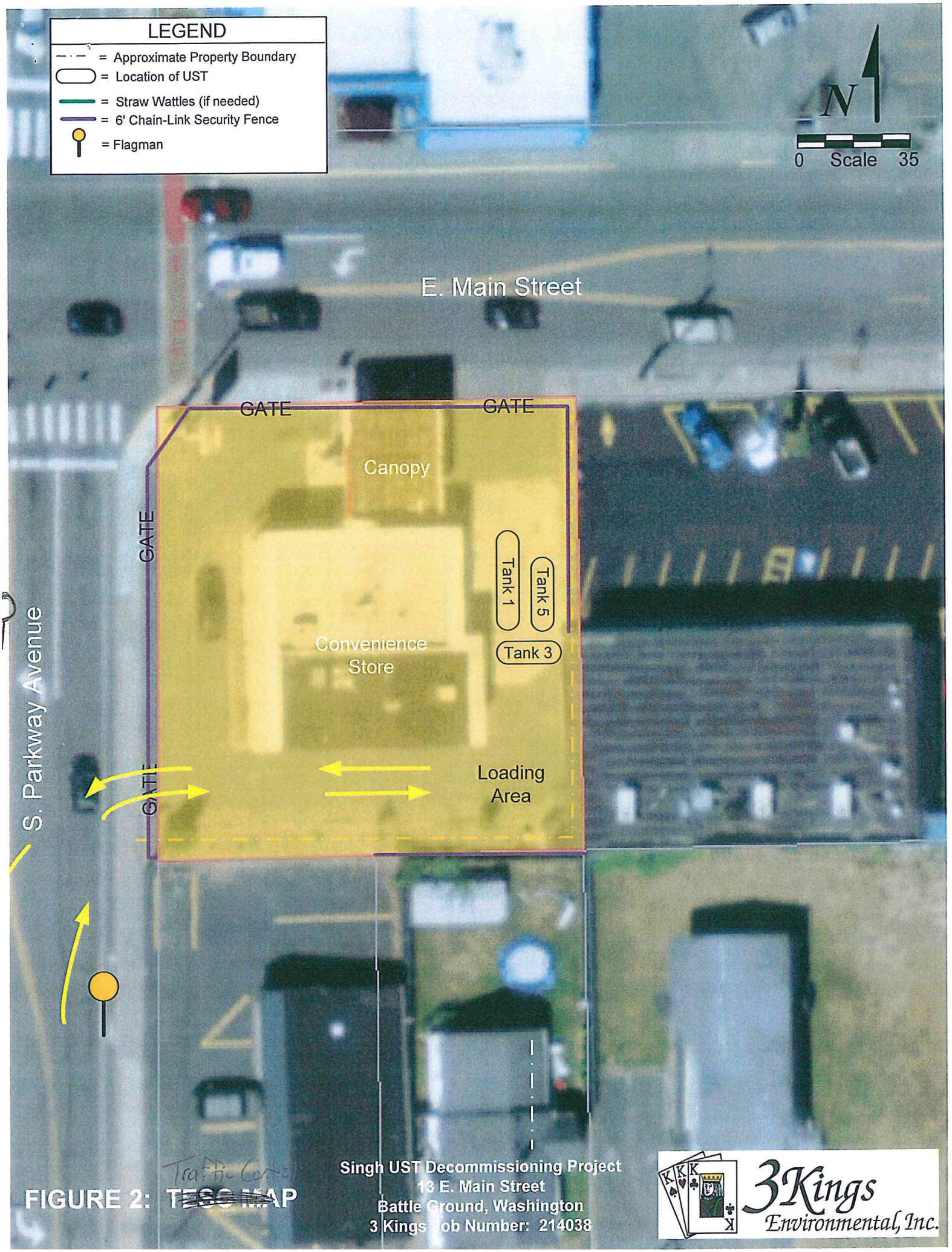

FIGURE 2: ~~TESC~~ MAP

Singh UST Decommissioning Project
13 E. Main Street
Battle Ground, Washington
3 Kings Job Number: 214038

3 Kings Environmental, Inc.

Work Plan for In-Place UST Decommissioning

13 E. Main Street Battle Ground, WA

3 Kings Environmental, Inc. (3 Kings) will complete an Underground Storage Tank (UST) decommissioning project at the commercial facility located at 13 E. Main Street in Battle Ground, Clark County, Washington ("subject site"). Work involves in-place decommissioning of an 8,000-gallon regular gasoline UST, a 4,000-gallon diesel UST and a 4,000-gallon premium gasoline UST, as well permanent decommissioning of the three fuel dispensers and onsite fuel canopy.

The following sections summarize work activities for each identified task.

Pre-Construction Work:

Prior to initiation of onsite work activities, 3 Kings will complete pre-construction work activities. This work includes utility locating requirements, permit acquisition and scheduling.

3 Kings will complete public utility locating requirements at least 72 hours prior to proposed onsite work. The Northwest Utility Notification Service will be notified of the proposed work activities, including specific location of the work site and marking instructions. Additionally, 3 Kings will mark the proposed work area in white paint, per Washington law.

Prior to initiation of onsite work activities, 3 Kings will obtain Washington DOE 30-day and 3-day notifications. A City of Battle Ground or Clark County permit associated with excavation activities is not required, according to the Clark County Fire Marshall and Environmental Health agencies.

3 Kings will coordinate with the owner, client, relevant subcontractors and material suppliers to schedule the work in an efficient manner. A copy of the proposed work scheduled will be provided to the owner and client at least three days prior to initiation of onsite work activities.

Excavation Work:

Once onsite, 3 Kings will setup site security devices in a manner to prevent access to the work area by unauthorized personnel or visitors. A designated job site entrance will be established, and all personnel who enter the area will be required to sign in and utilize all required Personal Protective Equipment (PPE) as determined by 3 Kings. In addition, erosion control devices will be placed in a manner to prevent the migration of sediment, soil or water from the work area. Erosion control devices may include catch basin filters, straw wattles, silt fence, a stabilized construction entrance and stockpile area berms.

SEPARATE PERMIT SUBMITTED FOR UST DEMO

Initially, excavation activities will involve cutting and removing surface material over portions of each of the three USTs, as well as around the existing pump island. Using a demo saw, concrete and asphalt will be cut into manageable pieces and removed from the work area(s). Concrete and asphalt debris will be loaded into a dump truck for offsite disposal at an appropriate recycling facility. At this point, clean overburden material will be removed from the top and sides of the UST, and side-cast for later use as backfill material. If clean overburden material is determined to be unsuitable for later use as backfill, it will be loaded into dump trucks for transport to an offsite clean fill disposal facility.

Once the existing USTs are uncovered, 3 Kings will evaluate tank atmosphere in each tank for the presence of Oxygen, Carbon Monoxide, Hydrogen Sulfide and Lower Explosive Limit (LEL). Once the atmosphere is determined to be safe, 3 Kings will remove residual diesel fuel via pneumatic pump. All tank contents will be contained in a 55-gallon drum for eventual transport to an appropriate recycling facility. Once tank contents have been removed, 3 Kings will again check the tank atmosphere. If a potential hazardous atmosphere is identified, 3 Kings will utilize an air compressor or fan to purge vapors from each tank deemed to have a hazardous atmosphere. Air monitoring will continue both during and after purging activities, and work activities will immediately cease if hazardous levels are identified.

At this point, 3 Kings will cut an approximate two-foot by two-foot opening in the top of the tank to facilitate tank cleaning. A confined space-trained field technician will then access the tank to remove residual diesel fuel and sludge material. The tank shell will then be scraped and wiped clean. All fuel, sludge and cleaning implements will be contained in five-gallon buckets or garbage bags for eventual transport to an appropriate disposal facility. All documentation associated with tank content disposal will be maintained as proof of proper handling.

After each former UST has been thoroughly cleaned, 3 Kings will notify the Clark County Fire Marshall of the status, and schedule an inspection. Once the tank has been inspected, and signed off, 3 Kings will prepare to fill the tanks with an approved inert material. Although not anticipated, it is possible that site assessment samples will be collected through the base of sides of the UST(s). Care will be used to minimize the potential of piercing the tank(s) below groundwater.

Once the tanks have been cleaned and site assessment samples are collected, the tank will be filled. Following tank filling, ground surface will be replaced in areas impacted by work activities. 3 Kings anticipates using asphalt to patch holes over each tank, as well as the former fuel dispensing island and canopy areas.

Soil Handling and Stockpiling Activities:

During excavation activities, 3 Kings may encounter both clean and impacted soil. All soil identified as clean will be located above the top of the UST, located beyond the limits of petroleum impact, or were void of potential impacts via field screening. This material will be side-cast for later use as backfill material.

To maintain good housekeeping at the subject site, 3 Kings will stockpile clean overburden material on plastic sheeting. Additionally, clean overburden will be covered with plastic sheeting on a daily basis to prevent the addition of moisture from precipitation, and to eliminate the risk of blowing dust.

Impacted soil may exist beneath the base of the UST, as well as along the sides of the excavation housing the former UST. This material may be removed from the ground and directly loaded into dump trucks for transport to a RCRA Subtitle D landfill facility. If a truck is not available, impacted soil will be stockpiled on the ground surface, both on and beneath plastic sheeting. Additionally, 3 Kings will create a berm around the impacted soil pile, with the goal of preventing surface water from mixing with the stockpile. Soil covering will occur on daily bases until the pile has been removed from the subject site. It should be noted that soil removal is not anticipated to occur in this project.

Soil handling will require the collection of characterization soil samples to evaluate the concentrations of petroleum products. Per a site-specific contract with the Owner and Owner's Representatives, 3 Kings will be utilizing Terracon to complete site characterization, site assessment and confirmation soil and groundwater sampling at the subject site.

3 Kings anticipates using Specialty Analytical of Clackamas, Oregon for analytical laboratory services. Specialty Analytical is a Washington DOE-accredited analytical laboratory.

Soil Loading and Hauling Activities:

As mentioned above, impacted soil will be loaded into dump trucks and hauled offsite to a RCRA Subtitle D Landfill under an approved waste profile and shipping manifest. As such, all soil will be directly loaded into dump trucks from an excavator or front-end loader in a manner to prevent spills or cross-contamination. This will be completed by not overloading the excavator bucket, carefully placing the material into the dump truck, utilizing a ground man for spotting, preventing drips or spills from material on the outside of the bucket and potentially placing a liner in each truck.

If saturated conditions are present, 3 Kings will place plastic sheeting beneath each dump truck prior to loading, and using care to prevent vehicle tires from contacting spilled soil or water. In addition, a liner will be used in each truck to prevent free liquids from leaking during transport.

Clean overburden material will remain onsite, unless identified as unsuitable for fill. In this case, clean overburden will be handled in similar fashion to impacted soil, with the exception that clean fill will be transported to a clean fill dump site and not a landfill.

Backfill and Compaction Activities:

Following completion of soil removal and confirmation soil sample collection activities, and potentially receipt of confirmation sample results, 3 Kings will prepare to backfill the open excavation. Initially, appropriate fill material will be acquired and transported to the subject site. Fill material will be placed in approximate one-foot lifts and compacted using a vibrating plate compactor until minimal deflection occurs. Additional lifts will be placed following previous lift compaction, and will continue until the excavation is filled to the ground surface. 3 Kings will provide access to the excavation area, if client or engineer wishes to perform compaction testing.

Canopy and Dispenser Demolition:

In addition to UST decommissioning, 3 Kings will complete canopy demolition and pump island/dispenser decommissioning. This work will be completed using excavators to sling each device to be demolished, while cutting equipment will be used to remove structural support members. Once the device is completely cut from the ground surface, the excavator will lower each device to the ground surface to facilitate disassembly and loading. All materials demolished or decommissioned will be transported to an appropriate steel recycling facility.

Following removal of the fuel dispensers, 3 Kings will utilize a concrete hammer to remove the existing pump island. This will be done in a manner to prevent flying debris. If necessary, dust control will also be utilized. All concrete and steel generated from this activity will be recycled.

PERMIT
Fire Review and Inspection

FRI2014-00135

File No.: FIL-0101900
Fire District:
Received: 4/1/2014
Notified:
Issued: 4/18/2014
Expires: 10/15/2014
Final:
Status: APR

P.O. Box 9810
Vancouver, Wa
98666-9810
1300 Franklin Street
Phone: 360-397-2375

INSPECTION REQUEST LINE:Bldg. 360-397-2477 Fire - 360-397-2186 ext 3395

Applicant: 3 KINGS ENVIRONMENTAL INC
PO BOX 280
BATTLE GROUND WA 98604
Phone: 360-907-4515

Owner: CLMG CORP
13 E MAIN ST
BATTLE GROUND WA 98604
Phone: 469-467-5691

Financing Lender:

Bonding Firm:

Team: FIRE | Inspector 1: 1 | Inspector 2: | Project Name: UNION 76 (TOJI INC) | Project #: FIL-0101900

Parcel #: 0

Site Address: 13 E MAIN ST

Scope of Work: | Review Type: | Cross Reference: FAI2006-00340

Project Description:
DECOMMISSION UNDERGROUND TANK

Contractor:	License Type:	License # :	Expire Date:	Phone:
3 KINGS ENVIRONMENTAL INC	CNTRCTR	3KINGEI036K3~601705284	5/9/2015	360-907-4515

************Be Advised************

1.) This permit is valid for 2 years (24 months) from issuance date. Work must be completed within permit period. Inspections do not extend the permit period. I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction.
CODE: 20_____ Ed. I.R.C.

I have read the above and will comply with requirements.

Signature of Contractor or Authorized Agent — Date: 4-18-2014

This permit, the inspection record and approved plans must be posted on site.

P.O. Box 9810
Vancouver, Wa
98666-9810
1300 Franklin Street
Phone: 360-397-2375

APPLICATION SUMMARY

Fire Review and Inspection

Status: **RRV**
Entered By: **ALM**

FRI2014-00135

Received: 4/1/2014
Notified:
Issued:
Expires: 9/28/2014
Final:

Team: **FIRE** Project Name: **UNION 76 (TOJI INC)** Project #: **FIL-0101900**

Site Address: **13 E MAIN ST** Parcel #: **0**

Scope of Work: Review Type: Cross Reference #: **FAI2006-00340**

Work Order#:

Sect/Twnshp/Range: **/ /**
Est. Parcel Area (Acre): **0.00**
Est. Parcel Area (Sq. Ft.): **0.00**

School Imp Fee Dist:
Transp Imp Fee Dist:
Park Imp Fee Dist:
Transp Overlay Fee Dist:

Description:
DECOMMISSION UNDERGROUND TANK

First Line Legal:

Applicant:
3 KINGS ENVIRONMENTAL INC
PO BOX 280
BATTLE GROUND WA 98604

Phone: **360-907-4515**

Owner:
CLMG CORP
13 E MAIN ST
BATTLE GROUND WA 98604

Phone: **469-467-5691**

Today's Activities:	Activity Date:	Assigned To:	Done By:	Notes:
1.) Print Application Summary	**4/7/2014**		**KWH**	**TO READY TO NOTIFY BIN**
2.) Fire Marshl Recvs/Rvws REVISNS	**4/7/2014**		**KWH**	

Fee Description		Amount Due	Amount Paid	Receipt Number	
Issuance Fee		94.00	0.00		
	Totals	**94.00**	**0.00**	**Balance Due**	**94.00**

Fee amounts are subject to change.

CONDITIONS:

P.O. Box 9810
Vancouver, Wa
98666-9810
1300 Franklin Street
Phone: 360-397-2375

APPLICATION SUMMARY

Fire Review and Inspection

Status: **REC**
Entered By: **ALM**

FRI2014-00135

Received: 4/1/2014
Notified:
Issued:
Expires: 9/28/2014
Final:

APR 01 2014
CLARK COUNTY
FIRE MARSHAL

Team: **FIRE** Project Name: **UNION 76 (TOJI INC)** Project #: **FIL-0101900**

Site Address: **13 E MAIN ST** Parcel #: **0**

Scope of Work: Review Type: Cross Reference #: **FAI2006-00340**

Work Order#:

Sect/Twnshp/Range:	/ /	School Imp Fee Dist:	
Est. Parcel Area (Acre):	**0.00**	Transp Imp Fee Dist:	
Est. Parcel Area (Sq. Ft.):	**0.00**	Park Imp Fee Dist:	
		Transp Overlay Fee Dist:	

Description:
DECOMMISSION UNDERGROUND TANK

First Line Legal:

Applicant:
3 KINGS ENVIRONMENTAL INC
PO BOX 280
BATTLE GROUND WA 98604

Phone: **360-907-4515**

Owner:
CLMG CORP
13 E MAIN ST
BATTLE GROUND WA 98604

Phone: **469-467-5691**

Today's Activities:	Activity Date:	Assigned To:	Done By:	Notes:
1.) Print Application Summary	**4/1/2014**		**ALM**	
2.) Print Fees Due at Issuance	**4/1/2014**		**ALM**	
3.) Receive Application	**4/1/2014**		**ALM**	**ROUTE TO FM BIN**

Fee Description	Amount Due	Amount Paid	Receipt Number
Decommission UST Inspection	145.00	0.00	
Totals	**145.00**	**0.00**	**Balance Due 145.00**

Fee amounts are subject to change.

CONDITIONS:

Review Application

Job Address:	13. E. Main Street Battle Ground, WA 98604		
Occupant:	Vacant (Mr. Keith Singh, purchaser)		
Activity #		Project/ File #	214038
Owner:	CLMG Corporation (Mr. Richard Brown)		
Contractor:	3 Kings Environmental, Inc.	License:	3KINGEI036K3
Address	1311 SE Grace Avenue Battle Ground, WA 98604		
Email:	bmacdonalde 3kingsinc.com	Fax:	(360) 666-8202
Phone:	(360) 907-4515	Mobile:	(360) 907-4515
Contact Person:	Brett MacDonald for	Mr. Keith Singh	
Address:	1311 SE Grace Avenue	Battle Ground, WA 98604	
Phone:	(360) 907-4515	Email:	bmacdonalde3kingsinc.com

An application is hereby made for the following review:

Fire Protection
- ☐ Fire alarm system
- ☐ Sprinkler monitoring only, $117 plan review fee only

Fire Extinguishing System
- ☐ Sprinkler system
- ☐ Sprinkler system revisions, 6 heads or more
- ☐ Commercial cooking protection
- ☐ Other extinguishing system
- ☐ Smoke removal system
- ☐ Fire pump system
- ☐ Other review
- ☐ Tent/Canopies, $145 inspection fee only

Special Hazards
- ☐ Magazines (explosives storage)
- ☐ LPG
- ☐ Residential LPG installations, $145 inspection fee only
- ☐ Aerosol storage
- ☐ High piled combustible storage
- ☐ Hazardous materials
- ☑ Underground storage tank decommissioning, $145 inspection fee only
- ☐ Cryogenic systems
- ☐ Compressed gasses

Special Process or Equipment
- ☐ Application of flammable/combustible finish
- ☐ Commercial drying oven
- ☐ Organic coatings
- ☐ Semi-conductor fabrication

Application, plans, and $150 general plan review fee must be submitted to the Permit Center in the Public Service Center, 1300 Franklin St., Vancouver, WA 98660.

The balance of review, inspection, and issuance fees are due at the time of permit issuance.

Note: This application is not an approval or authorization for work to begin. Plan Review and inspection fees outlined in CCC 12.14A.020 and CCC 15.14A.030 may be applicable. In addition to any other penalty allowed by county code, double review fees will be charged where work has commenced prior to the applicant obtaining the required reviews, approvals or permits.

Applicant: Brett MacDonald, 3 Kings Env. Date submitted: 4/1/2014
Phone: (360) 907-4515 Email: bmacdonalde3kingsinc.com

Public Safety Complex
505 NW 179TH ST, Ridgefield, Washington
Phone: (360) 397-2186 Fax: (360) 397-2076
www.clark.wa.gov/development

APPENDIX E

Laboratory Data Sheets

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

Report Summary

Wednesday May 07, 2014

Report Number: L696488
Samples Received: 05/01/14
Client Project: 81127006

Description: Union 76 USTs Battle Ground WA

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Alan Harvill

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

ESC LAB SCIENCES
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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-01

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : THN-6

Collected By : Adam Stauffer
Collection Date : 04/28/14 14:42

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.7		%	2540 G-2011	05/03/14	1
Lead	12.	0.68	mg/kg	6010C	05/06/14	1
Gasoline Range Organics-NWTPH	9.8	0.14	mg/kg	NWTPHGX	05/05/14	1
Benzene	0.00084	0.00068	mg/kg	NWTPHGX	05/05/14	1
Toluene	0.0075	0.0068	mg/kg	NWTPHGX	05/05/14	1
Ethylbenzene	0.030	0.00068	mg/kg	NWTPHGX	05/05/14	1
Total Xylene	0.11	0.0020	mg/kg	NWTPHGX	05/05/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	98.8		% Rec.	NWTPHGX	05/05/14	1
a,a,a-Trifluorotoluene(FID)	98.8		% Rec.	NWTPHGX	05/05/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/07/14 12:46 Printed: 05/07/14 12:47

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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-02

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : THE-6.5

Collected By : Adam Stauffer
Collection Date : 04/28/14 14:55

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.4		%	2540 G-2011	05/03/14	1
Gasoline Range Organics-NWTPH	BDL	0.13	mg/kg	NWTPHGX	05/05/14	1
Benzene	BDL	0.00067	mg/kg	NWTPHGX	05/05/14	1
Toluene	BDL	0.0067	mg/kg	NWTPHGX	05/05/14	1
Ethylbenzene	BDL	0.00067	mg/kg	NWTPHGX	05/05/14	1
Total Xylene	BDL	0.0020	mg/kg	NWTPHGX	05/05/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	98.4		% Rec.	NWTPHGX	05/05/14	1
a,a,a-Trifluorotoluene(FID)	98.3		% Rec.	NWTPHGX	05/05/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-03

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : THW-5

Collected By : Adam Stauffer
Collection Date : 04/28/14 15:06

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.4		%	2540 G-2011	05/03/14	1
Gasoline Range Organics-NWTPH	BDL	0.12	mg/kg	NWTPHGX	05/05/14	1
Benzene	BDL	0.00061	mg/kg	NWTPHGX	05/05/14	1
Toluene	BDL	0.0061	mg/kg	NWTPHGX	05/05/14	1
Ethylbenzene	BDL	0.00061	mg/kg	NWTPHGX	05/05/14	1
Total Xylene	BDL	0.0018	mg/kg	NWTPHGX	05/05/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	99.4		% Rec.	NWTPHGX	05/05/14	1
a,a,a-Trifluorotoluene(FID)	98.5		% Rec.	NWTPHGX	05/05/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-04

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : THS-6

Collected By : Adam Stauffer
Collection Date : 04/28/14 15:13

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	79.1		%	2540 G-2011	05/03/14	1
Benzene	BDL	0.00063	mg/kg	8021B	05/03/14	1
Toluene	BDL	0.0063	mg/kg	8021B	05/03/14	1
Ethylbenzene	BDL	0.00063	mg/kg	8021B	05/03/14	1
Total Xylene	BDL	0.0019	mg/kg	8021B	05/03/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021B	05/03/14	1
Diesel Range Organics (DRO)	BDL	5.0	mg/kg	NWTPHDX	05/07/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/07/14	1
Surrogate Recovery						
o-Terphenyl	78.3		% Rec.	NWTPHDX	05/07/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/07/14 12:46 Printed: 05/07/14 12:47

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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-05

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : MW-5

Collected By : Adam Stauffer
Collection Date : 04/28/14 17:23

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Lead	BDL	5.0	ug/l	6010C	05/07/14	1
Gasoline Range Organics-NWTPH	BDL	100	ug/l	NWTPHGX	05/03/14	1
Benzene	0.73	0.50	ug/l	NWTPHGX	05/03/14	1
Toluene	BDL	5.0	ug/l	NWTPHGX	05/03/14	1
Ethylbenzene	0.51	0.50	ug/l	NWTPHGX	05/03/14	1
Total Xylene	2.0	1.5	ug/l	NWTPHGX	05/03/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	NWTPHGX	05/03/14	1
a,a,a-Trifluorotoluene(FID)	98.3		% Rec.	NWTPHGX	05/03/14	1
Diesel Range Organics (DRO)	200	100	ug/l	NWTPHDX	05/02/14	1
Residual Range Organics (RRO)	BDL	250	ug/l	NWTPHDX	05/02/14	1
Surrogate Recovery						
o-Terphenyl	94.8		% Rec.	NWTPHDX	05/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-06

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : MW-3

Collected By : Adam Stauffer
Collection Date : 04/28/14 18:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Gasoline Range Organics-NWTPH	BDL	100	ug/l	NWTPHGX	05/03/14	1
Benzene	BDL	0.50	ug/l	NWTPHGX	05/03/14	1
Toluene	BDL	5.0	ug/l	NWTPHGX	05/03/14	1
Ethylbenzene	BDL	0.50	ug/l	NWTPHGX	05/03/14	1
Total Xylene	BDL	1.5	ug/l	NWTPHGX	05/03/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	NWTPHGX	05/03/14	1
a,a,a-Trifluorotoluene(FID)	98.6		% Rec.	NWTPHGX	05/03/14	1
Diesel Range Organics (DRO)	BDL	100	ug/l	NWTPHDX	05/02/14	1
Residual Range Organics (RRO)	BDL	250	ug/l	NWTPHDX	05/02/14	1
Surrogate Recovery						
o-Terphenyl	92.1		% Rec.	NWTPHDX	05/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 05/07/14 12:46 Printed: 05/07/14 12:47

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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-07

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : MW-1

Collected By : Adam Stauffer
Collection Date : 04/29/14 09:29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Gasoline Range Organics-NWTPH	BDL	100	ug/l	NWTPHGX	05/03/14	1
Benzene	BDL	0.50	ug/l	NWTPHGX	05/03/14	1
Toluene	BDL	5.0	ug/l	NWTPHGX	05/03/14	1
Ethylbenzene	BDL	0.50	ug/l	NWTPHGX	05/03/14	1
Total Xylene	BDL	1.5	ug/l	NWTPHGX	05/03/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	NWTPHGX	05/03/14	1
a,a,a-Trifluorotoluene(FID)	98.6		% Rec.	NWTPHGX	05/03/14	1
Diesel Range Organics (DRO)	BDL	100	ug/l	NWTPHDX	05/06/14	1
Residual Range Organics (RRO)	BDL	250	ug/l	NWTPHDX	05/06/14	1
Surrogate Recovery						
o-Terphenyl	105.		% Rec.	NWTPHDX	05/06/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 05/07/14 12:46 Printed: 05/07/14 12:47

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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-08

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : MW-6

Collected By : Adam Stauffer
Collection Date : 04/29/14 10:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Gasoline Range Organics-NWTPH	BDL	100	ug/l	NWTPHGX	05/03/14	1
Benzene	BDL	0.50	ug/l	NWTPHGX	05/03/14	1
Toluene	BDL	5.0	ug/l	NWTPHGX	05/03/14	1
Ethylbenzene	BDL	0.50	ug/l	NWTPHGX	05/03/14	1
Total Xylene	BDL	1.5	ug/l	NWTPHGX	05/03/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	NWTPHGX	05/03/14	1
a,a,a-Trifluorotoluene(FID)	98.4		% Rec.	NWTPHGX	05/03/14	1
Diesel Range Organics (DRO)	BDL	100	ug/l	NWTPHDX	05/06/14	1
Residual Range Organics (RRO)	BDL	250	ug/l	NWTPHDX	05/06/14	1
Surrogate Recovery						
o-Terphenyl	112.		% Rec.	NWTPHDX	05/06/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 05/07/14 12:46 Printed: 05/07/14 12:47

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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-09

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : DIE-2.5

Collected By : Adam Stauffer
Collection Date : 04/29/14 15:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	77.3		%	2540 G-2011	05/03/14	1
Gasoline Range Organics-NWTPH	BDL	0.13	mg/kg	NWTPHGX	05/05/14	1
Benzene	0.0030	0.00065	mg/kg	NWTPHGX	05/05/14	1
Toluene	0.028	0.0065	mg/kg	NWTPHGX	05/05/14	1
Ethylbenzene	0.0039	0.00065	mg/kg	NWTPHGX	05/05/14	1
Total Xylene	0.031	0.0019	mg/kg	NWTPHGX	05/05/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	100.		% Rec.	NWTPHGX	05/05/14	1
a,a,a-Trifluorotoluene(FID)	99.6		% Rec.	NWTPHGX	05/05/14	1
Diesel Range Organics (DRO)	BDL	5.2	mg/kg	NWTPHDX	05/07/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/07/14	1
Surrogate Recovery						
o-Terphenyl	94.9		% Rec.	NWTPHDX	05/07/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/07/14 12:46 Printed: 05/07/14 12:47

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Est. 1970

REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-10

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : DIC-2.5

Collected By : Adam Stauffer
Collection Date : 04/29/14 15:50

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	77.6		%	2540 G-2011	05/03/14	1
Gasoline Range Organics-NWTPH	BDL	0.13	mg/kg	NWTPHGX	05/05/14	1
Benzene	0.0017	0.00064	mg/kg	NWTPHGX	05/05/14	1
Toluene	BDL	0.0064	mg/kg	NWTPHGX	05/05/14	1
Ethylbenzene	BDL	0.00064	mg/kg	NWTPHGX	05/05/14	1
Total Xylene	BDL	0.0019	mg/kg	NWTPHGX	05/05/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	99.1		% Rec.	NWTPHGX	05/05/14	1
a,a,a-Trifluorotoluene(FID)	98.5		% Rec.	NWTPHGX	05/05/14	1
Diesel Range Organics (DRO)	BDL	5.2	mg/kg	NWTPHDX	05/07/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/07/14	1
Surrogate Recovery						
o-Terphenyl	81.2		% Rec.	NWTPHDX	05/07/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

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REPORT OF ANALYSIS

Eric Dubcak
Terracon- Mountlake Terrace, WA
21905 64th Ave W Ste 100
Mountlake Terrace, WA 98043

May 07,2014

ESC Sample # : L696488-11

Site ID :

Project # : 81127006

Date Received : May 01, 2014
Description : Union 76 USTs Battle Ground WA

Sample ID : DIW-2.5

Collected By : Adam Stauffer
Collection Date : 04/29/14 15:55

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	75.3		%	2540 G-2011	05/03/14	1
Lead	16.	0.66	mg/kg	6010C	05/06/14	1
Gasoline Range Organics-NWTPH	BDL	0.13	mg/kg	NWTPHGX	05/05/14	1
Benzene	BDL	0.00066	mg/kg	NWTPHGX	05/05/14	1
Toluene	BDL	0.0066	mg/kg	NWTPHGX	05/05/14	1
Ethylbenzene	BDL	0.00066	mg/kg	NWTPHGX	05/05/14	1
Total Xylene	BDL	0.0020	mg/kg	NWTPHGX	05/05/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	99.2		% Rec.	NWTPHGX	05/05/14	1
a,a,a-Trifluorotoluene(FID)	98.6		% Rec.	NWTPHGX	05/05/14	1
Diesel Range Organics (DRO)	BDL	5.3	mg/kg	NWTPHDX	05/07/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/07/14	1
Surrogate Recovery						
o-Terphenyl	90.8		% Rec.	NWTPHDX	05/07/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/07/14 12:46 Printed: 05/07/14 12:47

Summary of Remarks For Samples Printed
05/07/14 at 12:47:29

TSR Signing Reports: 358
R2 - Rush: Next Day

Only report to RDL. Log ALL arsenic water samples by 6020. Take ASICP out of RCRA8 and add ASG at $0.

Sample: L696488-01 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46
Changed due date per JW. AV 5/6
Sample: L696488-02 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-03 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-04 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-05 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-06 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-07 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-08 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-09 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-10 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

Sample: L696488-11 Account: TERRLWA Received: 05/01/14 10:00 Due Date: 05/07/14 00:00 RPT Date: 05/07/14 12:46

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Mountlake Terrace, WA 98043

Quality Assurance Report
Level II

L696488

May 07, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG718829	05/03/14 07:26
Total Solids	< .1	%			WG718828	05/03/14 07:30
Diesel Range Organics (DRO)	< .1	mg/l			WG718707	05/02/14 15:09
Residual Range Organics (RRO)	< .25	mg/l			WG718707	05/02/14 15:09
o-Terphenyl		% Rec.	89.30	50-150	WG718707	05/02/14 15:09
Benzene	< .0005	mg/l			WG718699	05/03/14 13:21
Ethylbenzene	< .0005	mg/l			WG718699	05/03/14 13:21
Toluene	< .005	mg/l			WG718699	05/03/14 13:21
Gasoline Range Organics-NWTPH	< .1	mg/l			WG718699	05/03/14 13:21
Total Xylene	< .0015	mg/l			WG718699	05/03/14 13:21
a,a,a-Trifluorotoluene(FID)		% Rec.	98.70	62-128	WG718699	05/03/14 13:21
a,a,a-Trifluorotoluene(PID)		% Rec.	104.0	55-122	WG718699	05/03/14 13:21
Benzene	< .0005	mg/kg			WG718980	05/03/14 12:15
Ethylbenzene	< .0005	mg/kg			WG718980	05/03/14 12:15
Toluene	< .005	mg/kg			WG718980	05/03/14 12:15
Total Xylene	< .0015	mg/kg			WG718980	05/03/14 12:15
a,a,a-Trifluorotoluene(PID)		% Rec.	103.0	54-144	WG718980	05/03/14 12:15
Diesel Range Organics (DRO)	< .1	mg/l			WG719077	05/05/14 15:03
Residual Range Organics (RRO)	< .25	mg/l			WG719077	05/05/14 15:03
o-Terphenyl		% Rec.	105.0	50-150	WG719077	05/05/14 15:03
Lead	< .25	mg/kg			WG719192	05/06/14 13:43
Benzene	< .0005	mg/kg			WG719119	05/05/14 16:56
Ethylbenzene	< .0005	mg/kg			WG719119	05/05/14 16:56
Toluene	< .005	mg/kg			WG719119	05/05/14 16:56
Gasoline Range Organics-NWTPH	< .1	mg/kg			WG719119	05/05/14 16:56
Total Xylene	< .0015	mg/kg			WG719119	05/05/14 16:56
a,a,a-Trifluorotoluene(FID)		% Rec.	99.40	59-128	WG719119	05/05/14 16:56
a,a,a-Trifluorotoluene(PID)		% Rec.	98.60	54-144	WG719119	05/05/14 16:56
Diesel Range Organics (DRO)	< 4	mg/kg			WG719099	05/07/14 01:43
Residual Range Organics (RRO)	< 10	mg/kg			WG719099	05/07/14 01:43
o-Terphenyl		% Rec.	81.10	50-150	WG719099	05/07/14 01:43
Lead	< .005	mg/l			WG719402	05/07/14 08:37

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	75.0	75.3	0.431	5	L696488-11	WG718829
Total Solids	%	77.7	77.6	0.231	5	L696488-10	WG718828

* Performance of this Analyte is outside of established criteria.
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Mountlake Terrace, WA 98043

Quality Assurance Report
Level II

L696488

May 07, 2014

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
			Duplicate				
Lead	mg/kg	2.80	2.96	7.00	20	L696968-03	WG719192
Lead	mg/l	0.0	0.00346	62.0*	20	L696921-08	WG719402

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
			Laboratory Control Sample			
Total Solids	%	50	50.0	100.	85-115	WG718829
Total Solids	%	50	50.0	100.	85-115	WG718828
Diesel Range Organics (DRO)	mg/l	.75	0.849	113.	50-150	WG718707
Residual Range Organics (RRO)	mg/l	.75	0.662	88.3	50-150	WG718707
o-Terphenyl				103.0	50-150	WG718707
Benzene	mg/l	.05	0.0507	101.	70-130	WG718699
Ethylbenzene	mg/l	.05	0.0511	102.	70-130	WG718699
Toluene	mg/l	.05	0.0513	103.	70-130	WG718699
Total Xylene	mg/l	.15	0.156	104.	70-130	WG718699
a,a,a-Trifluorotoluene(PID)				103.0	55-122	WG718699
Gasoline Range Organics-NWTPH	mg/l	5.5	4.39	79.7	66-123	WG718699
a,a,a-Trifluorotoluene(FID)				99.20	62-128	WG718699
Benzene	mg/kg	.05	0.0488	97.6	70-130	WG718980
Ethylbenzene	mg/kg	.05	0.0495	99.1	70-130	WG718980
Toluene	mg/kg	.05	0.0483	96.7	70-130	WG718980
Total Xylene	mg/kg	.15	0.150	99.9	70-130	WG718980
a,a,a-Trifluorotoluene(PID)				102.0	54-144	WG718980
Diesel Range Organics (DRO)	mg/l	.75	0.762	102.	50-150	WG719077
Residual Range Organics (RRO)	mg/l	.75	0.740	98.7	50-150	WG719077
o-Terphenyl				114.0	50-150	WG719077
Lead	mg/kg	103	108.	105.	83.1-117	WG719192
Benzene	mg/kg	.05	0.0437	87.4	70-130	WG719119
Ethylbenzene	mg/kg	.05	0.0479	95.8	70-130	WG719119
Toluene	mg/kg	.05	0.0466	93.2	70-130	WG719119
Total Xylene	mg/kg	.15	0.146	97.4	70-130	WG719119
a,a,a-Trifluorotoluene(PID)				101.0	54-144	WG719119
Gasoline Range Organics-NWTPH	mg/kg	5.5	5.27	95.8	62.2-127	WG719119
a,a,a-Trifluorotoluene(FID)				98.00	59-128	WG719119
Diesel Range Organics (DRO)	mg/kg	30	22.0	73.3	50-150	WG719099
Residual Range Organics (RRO)	mg/kg	30	23.4	78.0	50-150	WG719099
o-Terphenyl				88.30	50-150	WG719099
Lead	mg/l	1	1.09	109.	80-120	WG719402

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Quality Assurance Report
Level II

L696488

May 07, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Diesel Range Organics (DRO)	mg/l	0.829	0.849	110.	50-150	2.38	20	WG718707
Residual Range Organics (RRO)	mg/l	0.645	0.662	86.0	50-150	2.68	20	WG718707
o-Terphenyl				97.60	50-150			WG718707
Benzene	mg/l	0.0509	0.0507	102.	70-130	0.500	20	WG718699
Ethylbenzene	mg/l	0.0512	0.0511	102.	70-130	0.200	20	WG718699
Toluene	mg/l	0.0512	0.0513	102.	70-130	0.320	20	WG718699
Total Xylene	mg/l	0.156	0.156	104.	70-130	0.140	20	WG718699
a,a,a-Trifluorotoluene(PID)				103.0	55-122			WG718699
Gasoline Range Organics-NWTPH	mg/l	4.31	4.39	78.0	66-123	1.84	20	WG718699
a,a,a-Trifluorotoluene(FID)				99.00	62-128			WG718699
Benzene	mg/kg	0.0482	0.0488	96.0	70-130	1.23	20	WG718980
Ethylbenzene	mg/kg	0.0490	0.0495	98.0	70-130	1.15	20	WG718980
Toluene	mg/kg	0.0478	0.0483	96.0	70-130	1.06	20	WG718980
Total Xylene	mg/kg	0.148	0.150	99.0	70-130	1.23	20	WG718980
a,a,a-Trifluorotoluene(PID)				102.0	54-144			WG718980
Diesel Range Organics (DRO)	mg/l	0.752	0.762	100.	50-150	1.32	20	WG719077
Residual Range Organics (RRO)	mg/l	0.754	0.740	100.	50-150	1.80	20	WG719077
o-Terphenyl				114.0	50-150			WG719077
Benzene	mg/kg	0.0447	0.0437	89.0	70-130	2.38	20	WG719119
Ethylbenzene	mg/kg	0.0489	0.0479	98.0	70-130	2.01	20	WG719119
Toluene	mg/kg	0.0475	0.0466	95.0	70-130	1.90	20	WG719119
Total Xylene	mg/kg	0.149	0.146	99.0	70-130	1.98	20	WG719119
a,a,a-Trifluorotoluene(PID)				100.0	54-144			WG719119
Gasoline Range Organics-NWTPH	mg/kg	5.34	5.27	97.0	62.2-127	1.24	20	WG719119
a,a,a-Trifluorotoluene(FID)				98.90	59-128			WG719119
Diesel Range Organics (DRO)	mg/kg	26.1	22.0	87.0	50-150	17.0	20	WG719099
Residual Range Organics (RRO)	mg/kg	25.2	23.4	84.0	50-150	7.26	20	WG719099
o-Terphenyl				94.50	50-150			WG719099

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0479	0.00617	.05	84.0	57.2-131	L696440-12	WG718699
Ethylbenzene	mg/l	0.0474	0.00212	.05	91.0	67.5-135	L696440-12	WG718699
Toluene	mg/l	0.0590	0.0171	.05	84.0	63.7-134	L696440-12	WG718699
Total Xylene	mg/l	0.150	0.0122	.15	92.0	65.9-138	L696440-12	WG718699
a,a,a-Trifluorotoluene(PID)					102.0	55-122		WG718699
Gasoline Range Organics-NWTPH	mg/l	3.36	0.0350	5.5	60.0	47.5-136	L696440-12	WG718699
a,a,a-Trifluorotoluene(FID)					96.90	62-128		WG718699
Benzene	mg/kg	0.199	0.0	.05	80.0	49.7-127	L696465-01	WG718980
Ethylbenzene	mg/kg	0.213	0.0	.05	85.0	40.8-141	L696465-01	WG718980
Toluene	mg/kg	0.204	0.0	.05	82.0	49.8-132	L696465-01	WG718980
Total Xylene	mg/kg	0.644	0.0	.15	86.0	41.2-140	L696465-01	WG718980
a,a,a-Trifluorotoluene(PID)					101.0	54-144		WG718980
Lead	mg/kg	55.5	2.96	50	100.	75-125	L696968-03	WG719192

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Quality Assurance Report
Level II

L696488

May 07, 2014

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.0424	0.0000561	.05	85.0	49.7-127	L696488-03	WG719119
Ethylbenzene	mg/kg	0.0458	0.0000659	.05	91.0	40.8-141	L696488-03	WG719119
Toluene	mg/kg	0.0449	0.000169	.05	89.0	49.8-132	L696488-03	WG719119
Total Xylene	mg/kg	0.140	0.000351	.15	93.0	41.2-140	L696488-03	WG719119
a,a,a-Trifluorotoluene(PID)					98.90	54-144		WG719119
Gasoline Range Organics-NWTPH	mg/kg	4.57	0.0	5.5	83.0	20.5-134	L696488-03	WG719119
a,a,a-Trifluorotoluene(FID)					96.90	59-128		WG719119
Lead	mg/l	1.10	0.00346	1	110.	75-125	L696921-08	WG719402

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/l	0.0483	0.0479	84.2	57.2-131	0.760	20	L696440-12	WG718699
Ethylbenzene	mg/l	0.0475	0.0474	90.8	67.5-135	0.210	20	L696440-12	WG718699
Toluene	mg/l	0.0588	0.0590	83.5	63.7-134	0.220	20	L696440-12	WG718699
Total Xylene	mg/l	0.150	0.150	91.7	65.9-138	0.470	20	L696440-12	WG718699
a,a,a-Trifluorotoluene(PID)				103.0	55-122				WG718699
Gasoline Range Organics-NWTPH	mg/l	3.31	3.36	59.5	47.5-136	1.72	20	L696440-12	WG718699
a,a,a-Trifluorotoluene(FID)				98.10	62-128				WG718699
Benzene	mg/kg	0.201	0.199	80.2	49.7-127	0.620	23.5	L696465-01	WG718980
Ethylbenzene	mg/kg	0.215	0.213	86.0	40.8-141	0.730	23.8	L696465-01	WG718980
Toluene	mg/kg	0.206	0.204	82.3	49.8-132	0.950	23.5	L696465-01	WG718980
Total Xylene	mg/kg	0.649	0.644	86.5	41.2-140	0.730	23.7	L696465-01	WG718980
a,a,a-Trifluorotoluene(PID)				101.0	54-144				WG718980
Lead	mg/kg	56.8	55.5	108.	75-125	2.00	20	L696968-03	WG719192
Benzene	mg/kg	0.0361	0.0424	72.1	49.7-127	16.2	23.5	L696488-03	WG719119
Ethylbenzene	mg/kg	0.0392	0.0458	78.2	40.8-141	15.6	23.8	L696488-03	WG719119
Toluene	mg/kg	0.0381	0.0449	75.9	49.8-132	16.3	23.5	L696488-03	WG719119
Total Xylene	mg/kg	0.120	0.140	79.6	41.2-140	15.6	23.7	L696488-03	WG719119
a,a,a-Trifluorotoluene(PID)				99.00	54-144				WG719119
Gasoline Range Organics-NWTPH	mg/kg	4.70	4.57	85.5	20.5-134	2.91	23.8	L696488-03	WG719119
a,a,a-Trifluorotoluene(FID)				96.10	59-128				WG719119
Lead	mg/l	1.10	1.10	110.	75-125	1.00	20	L696921-08	WG719402

Post Spike

Serial Dilution

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

Terracon- Mountlake Terrace, WA
Eric Dubcak
21905 64th Ave W Ste 100

Mountlake Terrace, WA 98043

Quality Assurance Report
Level II

L696488

May 07, 2014

Batch number /Run number / Sample number cross reference

WG718829: R2914510: L696488-11
WG718828: R2914511: L696488-01 02 03 04 09 10
WG718707: R2914553: L696488-05 06
WG718699: R2914869: L696488-05 06 07 08
WG718980: R2915007: L696488-04
WG719077: R2915581: L696488-07 08
WG719192: R2916145: L696488-01 11
WG719119: R2916405: L696488-01 02 03 09 10 11
WG719099: R2916547: L696488-04 09 10 11
WG719402: R2916549: L696488-05

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L696488

May 07, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address:
Terracon - Mountlake Terrace, WA
21905 -64TH Ave W, Ste 100
Mountlake Terrace, WA 98043

Billing Information:
Accounts Payable
21905 - 64TH Ave W, Ste 100
Mountlake Terrace, WA 98043

Report to: Mike Noll

Email To: mdnoll@terracon.com, aastauffer@terracon.com

Project Description: Union 76 USTs - Battle Ground, WA

City/State Collected: Battle Ground, Washington

Phone: 425-771-3304
Fax:

Client Project # 81127006

Lab Project # TERRLWA-81127006

Collected by (print): Adam Stauffer

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed: 5-13-14

Email? ___No X Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPH-Gx	BTEX - EPA 8021	NWTPH-Dx	Pb - EPA6010 <2							Rem./Contaminant	Sample # (lab only)
THN-6'		SS	6'	4/29/14	14:42	5	X	X		X								-01
THE-6.5'			6.5'	4/29/14	14:55	4	X	X										02
THW-5'			5'	4/29/14	15:06	4	X	X										03
THS-6'		↓	6'	4/29/14	15:13	4		X	X									04
MW-5		GW	-	4/29/14	17:23	6	X	X	X	X								05
MW-3		GW	-	4/29/14	19:05	5	X	X	X									06
MW-1		GW	-	4/29/14	09:29	5	X	X	X									07
MW-6		GW	-	4/29/14	10:40	5	X	X	X									08
DIE-2.5'		SS	2.5'	4/29/14	15:15	4	X	X	X									09
DIC-2.5'		SS	2.5'	4/29/14	15:50	4	X	X	X									10

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

5939964 7 9614

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4-30-14	12:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 50

Date: 5-1-14 Time: 1000

Hold #

Condition: (lab use only) N

COC Seal Intact: ___Y ___N ___NA

pH Checked: <2 NCF:

Chain of Custody Page 1 of 2

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Fax: 615-758-5859

L# L696488
B067

Acctnum: TERRLWA
Template: T93591
Prelogin: P486049
TSR: 355 - Jarel Willis
PB:
Shipped Via: FedEx Ground

Company Name/Address: Terracon - Mountlake Terrace, WA (See pg. 1)

Billing Information: (See pg. 1)

Report to: Mike Noll

Email To: mdnoll@terracon.com; aastauffer@terracon.com

Project Description: (Pg. 1)

City/State Collected: Battle Ground, WA

Phone: 425-771-7304 Fax:

Client Project # 81127006

Lab Project #

Collected by (print): Adam Stauffer

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed: 5-13-14

Email? ___No X Yes

FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

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Phone: 800-767-5859
Fax: 615-758-5859

L # L696488

Table #

Acctnum:

Template:

Prelogin: (Pg. 1)

TSR:

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPH-GX	BTEX - EPA 8021	NWTPH-DX	Pb - EPA 6010	Rem./Contaminant	Sample # (lab only)
DIW-2.5'		SS	2.5'	4/29/14	15:55	4	X	X	X	X		11

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4-30-14	12:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 50

Date: 5-1-14 Time: 1000

Hold #

Condition: (lab use only) OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

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Est. 1970

Jonathan Horowitz
Terracon - Portland, OR
4103 SE International Way, Suite 300
Portland, OR 97222

Report Summary

Thursday May 29, 2014

Report Number: L701028
Samples Received: 05/24/14
Client Project: 81127006

Description: Union 76 Mini Mart

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Jarred Willis

Jarred Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Jonathan Horowitz
Terracon - Portland, OR
4103 SE International Way, Suite 30
Portland, OR 97222

May 29,2014

ESC Sample # : L701028-01

Site ID :

Project # : 81127006

Date Received : May 24, 2014
Description : Union 76 Mini Mart

Sample ID : B-5-6 6FT

Collected By : Jonathan Horowitz
Collection Date : 05/22/14 13:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.1		%	2540 G-2011	05/27/14	1
Gasoline Range Organics-NWTPH	1.6	0.13	mg/kg	NWTPHGX	05/28/14	1
Benzene	BDL	0.00066	mg/kg	NWTPHGX	05/28/14	1
Toluene	BDL	0.0066	mg/kg	NWTPHGX	05/28/14	1
Ethylbenzene	BDL	0.00066	mg/kg	NWTPHGX	05/28/14	1
Total Xylene	0.011	0.0020	mg/kg	NWTPHGX	05/28/14	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	102.		% Rec.	NWTPHGX	05/28/14	1
a,a,a-Trifluorotoluene(FID)	97.3		% Rec.	NWTPHGX	05/28/14	1
Diesel Range Organics (DRO)	BDL	5.2	mg/kg	NWTPHDX	05/29/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/29/14	1
Surrogate Recovery						
o-Terphenyl	75.2		% Rec.	NWTPHDX	05/29/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/29/14 13:57 Printed: 05/29/14 13:57

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REPORT OF ANALYSIS

Jonathan Horowitz
Terracon - Portland, OR
4103 SE International Way, Suite 30
Portland, OR 97222

May 29,2014

Date Received : May 24, 2014
Description : Union 76 Mini Mart

Sample ID : B-6-7 7FT

Collected By : Jonathan Horowitz
Collection Date : 05/22/14 13:45

ESC Sample # : L701028-02

Site ID :

Project # : 81127006

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.5		%	2540 G-2011	05/28/14	1
Gasoline Range Organics-NWTPH	BDL	0.64	mg/kg	NWTPHGX	05/27/14	5
Benzene	BDL	0.0032	mg/kg	NWTPHGX	05/27/14	5
Toluene	BDL	0.032	mg/kg	NWTPHGX	05/27/14	5
Ethylbenzene	BDL	0.0032	mg/kg	NWTPHGX	05/27/14	5
Total Xylene	BDL	0.0096	mg/kg	NWTPHGX	05/27/14	5
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	NWTPHGX	05/27/14	5
a,a,a-Trifluorotoluene(FID)	98.5		% Rec.	NWTPHGX	05/27/14	5
Diesel Range Organics (DRO)	BDL	5.1	mg/kg	NWTPHDX	05/29/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/29/14	1
Surrogate Recovery						
o-Terphenyl	51.4		% Rec.	NWTPHDX	05/29/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/29/14 13:57 Printed: 05/29/14 13:57

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REPORT OF ANALYSIS

Jonathan Horowitz
Terracon - Portland, OR
4103 SE International Way, Suite 30
Portland, OR 97222

May 29,2014

ESC Sample # : L701028-03

Site ID :

Project # : 81127006

Date Received : May 24, 2014
Description : Union 76 Mini Mart

Sample ID : B-7-7 7FT

Collected By : Jonathan Horowitz
Collection Date : 05/22/14 14:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	75.8		%	2540 G-2011	05/28/14	1
Gasoline Range Organics-NWTPH	1.1	0.66	mg/kg	NWTPHGX	05/27/14	5
Benzene	BDL	0.0033	mg/kg	NWTPHGX	05/27/14	5
Toluene	BDL	0.033	mg/kg	NWTPHGX	05/27/14	5
Ethylbenzene	BDL	0.0033	mg/kg	NWTPHGX	05/27/14	5
Total Xylene	0.011	0.0099	mg/kg	NWTPHGX	05/27/14	5
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	NWTPHGX	05/27/14	5
a,a,a-Trifluorotoluene(FID)	98.6		% Rec.	NWTPHGX	05/27/14	5
Diesel Range Organics (DRO)	BDL	5.3	mg/kg	NWTPHDX	05/29/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/29/14	1
Surrogate Recovery						
o-Terphenyl	51.8		% Rec.	NWTPHDX	05/29/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/29/14 13:57 Printed: 05/29/14 13:57

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REPORT OF ANALYSIS

Jonathan Horowitz
Terracon - Portland, OR
4103 SE International Way, Suite 30
Portland, OR 97222

May 29,2014

Date Received : May 24, 2014
Description : Union 76 Mini Mart

Sample ID : B-8-7 7FT

Collected By : Jonathan Horowitz
Collection Date : 05/22/14 14:25

ESC Sample # : L701028-04

Site ID :

Project # : 81127006

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.2		%	2540 G-2011	05/28/14	1
Gasoline Range Organics-NWTPH	BDL	0.67	mg/kg	NWTPHGX	05/27/14	5
Benzene	BDL	0.0034	mg/kg	NWTPHGX	05/27/14	5
Toluene	BDL	0.034	mg/kg	NWTPHGX	05/27/14	5
Ethylbenzene	BDL	0.0034	mg/kg	NWTPHGX	05/27/14	5
Total Xylene	BDL	0.010	mg/kg	NWTPHGX	05/27/14	5
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	NWTPHGX	05/27/14	5
a,a,a-Trifluorotoluene(FID)	99.1		% Rec.	NWTPHGX	05/27/14	5
Diesel Range Organics (DRO)	BDL	5.4	mg/kg	NWTPHDX	05/29/14	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/29/14	1
Surrogate Recovery						
o-Terphenyl	75.7		% Rec.	NWTPHDX	05/29/14	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 05/29/14 13:57 Printed: 05/29/14 13:57

Summary of Remarks For Samples Printed
05/29/14 at 13:57:47

TSR Signing Reports: 358
R4 - Rush: Three Day

Sample: L701028-01 Account: TERRPOR Received: 05/24/14 09:30 Due Date: 05/30/14 00:00 RPT Date: 05/29/14 13:57

Sample: L701028-02 Account: TERRPOR Received: 05/24/14 09:30 Due Date: 05/30/14 00:00 RPT Date: 05/29/14 13:57

Sample: L701028-03 Account: TERRPOR Received: 05/24/14 09:30 Due Date: 05/30/14 00:00 RPT Date: 05/29/14 13:57

Sample: L701028-04 Account: TERRPOR Received: 05/24/14 09:30 Due Date: 05/30/14 00:00 RPT Date: 05/29/14 13:57

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Terracon - Portland, OR
Jonathan Horowitz
4103 SE International Way, Suite 300

Portland, OR 97222

Quality Assurance Report
Level II

L701028

May 29, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG722972	05/27/14 09:42
Benzene	< .0005	mg/kg			WG723044	05/27/14 14:26
Ethylbenzene	< .0005	mg/kg			WG723044	05/27/14 14:26
Toluene	< .005	mg/kg			WG723044	05/27/14 14:26
Gasoline Range Organics-NWTPH	< .1	mg/kg			WG723044	05/27/14 14:26
Total Xylene	< .0015	mg/kg			WG723044	05/27/14 14:26
a,a,a-Trifluorotoluene(FID)		% Rec.	98.90	59-128	WG723044	05/27/14 14:26
a,a,a-Trifluorotoluene(PID)		% Rec.	104.0	54-144	WG723044	05/27/14 14:26
Total Solids	< .1	%			WG722997	05/28/14 06:36
Diesel Range Organics (DRO)	< 4	mg/kg			WG723311	05/28/14 22:42
Residual Range Organics (RRO)	< 10	mg/kg			WG723311	05/28/14 22:42
o-Terphenyl		% Rec.	86.80	50-150	WG723311	05/28/14 22:42
Benzene	< .0005	mg/kg			WG723050	05/28/14 15:08
Ethylbenzene	< .0005	mg/kg			WG723050	05/28/14 15:08
Toluene	< .005	mg/kg			WG723050	05/28/14 15:08
Gasoline Range Organics-NWTPH	< .1	mg/kg			WG723050	05/28/14 15:08
Total Xylene	< .0015	mg/kg			WG723050	05/28/14 15:08
a,a,a-Trifluorotoluene(FID)		% Rec.	98.80	59-128	WG723050	05/28/14 15:08
a,a,a-Trifluorotoluene(PID)		% Rec.	104.0	54-144	WG723050	05/28/14 15:08

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	76.3	76.1	0.375	5	L701028-01	WG722972
Total Solids	%	73.8	74.2	0.494	5	L701028-04	WG722997

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100.	85-115	WG722972
Benzene	mg/kg	.05	0.0489	97.7	70-130	WG723044
Ethylbenzene	mg/kg	.05	0.0503	101.	70-130	WG723044
Toluene	mg/kg	.05	0.0500	99.9	70-130	WG723044
Total Xylene	mg/kg	.15	0.153	102.	70-130	WG723044
a,a,a-Trifluorotoluene(FID)				99.60	59-128	WG723044
a,a,a-Trifluorotoluene(PID)				104.0	54-144	WG723044
Gasoline Range Organics-NWTPH	mg/kg	5.5	4.63	84.2	62.2-127	WG723044
a,a,a-Trifluorotoluene(FID)				102.0	59-128	WG723044
a,a,a-Trifluorotoluene(PID)				113.0	54-144	WG723044
Total Solids	%	50	50.0	100.	85-115	WG722997
Diesel Range Organics (DRO)	mg/kg	30	21.2	70.8	50-150	WG723311
Residual Range Organics (RRO)	mg/kg	30	21.3	70.9	50-150	WG723311
o-Terphenyl				80.60	50-150	WG723311

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

Terracon - Portland, OR
Jonathan Horowitz
4103 SE International Way, Suite 300

Portland, OR 97222

Quality Assurance Report
Level II

L701028

May 29, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0463	92.7	70-130	WG723050
Ethylbenzene	mg/kg	.05	0.0476	95.2	70-130	WG723050
Toluene	mg/kg	.05	0.0472	94.4	70-130	WG723050
Total Xylene	mg/kg	.15	0.145	96.8	70-130	WG723050
a,a,a-Trifluorotoluene(PID)				104.0	54-144	WG723050
Gasoline Range Organics-NWTPH	mg/kg	5.5	4.61	83.8	62.2-127	WG723050
a,a,a-Trifluorotoluene(FID)				102.0	59-128	WG723050

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Gasoline Range Organics-NWTPH	mg/kg	4.28	4.63	78.0	62.2-127	7.95	20	WG723044
a,a,a-Trifluorotoluene(FID)				99.80	59-128			WG723044
a,a,a-Trifluorotoluene(PID)				113.0	54-144			WG723044
Benzene	mg/kg	0.0452	0.0489	90.0	70-130	7.73	20	WG723044
Ethylbenzene	mg/kg	0.0475	0.0503	95.0	70-130	5.75	20	WG723044
Toluene	mg/kg	0.0475	0.0500	95.0	70-130	4.97	20	WG723044
Total Xylene	mg/kg	0.146	0.153	97.0	70-130	4.56	20	WG723044
a,a,a-Trifluorotoluene(FID)				101.0	59-128			WG723044
a,a,a-Trifluorotoluene(PID)				105.0	54-144			WG723044
Diesel Range Organics (DRO)	mg/kg	22.5	21.2	75.0	50-150	5.65	20	WG723311
Residual Range Organics (RRO)	mg/kg	22.4	21.3	75.0	50-150	5.21	20	WG723311
o-Terphenyl				84.80	50-150			WG723311
Benzene	mg/kg	0.0450	0.0463	90.0	70-130	2.85	20	WG723050
Ethylbenzene	mg/kg	0.0461	0.0476	92.0	70-130	3.18	20	WG723050
Toluene	mg/kg	0.0456	0.0472	91.0	70-130	3.38	20	WG723050
Total Xylene	mg/kg	0.140	0.145	94.0	70-130	3.31	20	WG723050
a,a,a-Trifluorotoluene(PID)				104.0	54-144			WG723050
Gasoline Range Organics-NWTPH	mg/kg	4.55	4.61	83.0	62.2-127	1.26	20	WG723050
a,a,a-Trifluorotoluene(FID)				100.0	59-128			WG723050

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.189	0.000371	.05	75.0	49.7-127	L700677-01	WG723044
Ethylbenzene	mg/kg	0.182	0.000360	.05	72.0	40.8-141	L700677-01	WG723044
Toluene	mg/kg	0.188	0.000962	.05	75.0	49.8-132	L700677-01	WG723044
Total Xylene	mg/kg	0.555	0.00137	.15	74.0	41.2-140	L700677-01	WG723044
a,a,a-Trifluorotoluene(FID)					98.00	59-128		WG723044
a,a,a-Trifluorotoluene(PID)					103.0	54-144		WG723044
Gasoline Range Organics-NWTPH	mg/kg	16.4	0.0	5.5	60.0	20.5-134	L700677-01	WG723044
a,a,a-Trifluorotoluene(FID)					98.70	59-128		WG723044
a,a,a-Trifluorotoluene(PID)					109.0	54-144		WG723044
Benzene	mg/kg	0.212	0.000328	.05	84.0	49.7-127	L700934-01	WG723050
Ethylbenzene	mg/kg	0.207	0.000390	.05	83.0	40.8-141	L700934-01	WG723050
Toluene	mg/kg	0.214	0.00134	.05	85.0	49.8-132	L700934-01	WG723050
Total Xylene	mg/kg	0.631	0.00152	.15	84.0	41.2-140	L700934-01	WG723050
a,a,a-Trifluorotoluene(PID)					103.0	54-144		WG723050
Gasoline Range Organics-NWTPH	mg/kg	16.7	0.0	5.5	61.0	20.5-134	L700934-01	WG723050
a,a,a-Trifluorotoluene(FID)					98.80	59-128		WG723050

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

Terracon - Portland, OR
Jonathan Horowitz
4103 SE International Way, Suite 300

Portland, OR 97222

Quality Assurance Report
Level II

L701028

May 29, 2014

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.184	0.189	73.6	49.7-127	2.32	23.5	L700677-01	WG723044
Ethylbenzene	mg/kg	0.171	0.182	68.3	40.8-141	5.96	23.8	L700677-01	WG723044
Toluene	mg/kg	0.180	0.188	71.7	49.8-132	4.43	23.5	L700677-01	WG723044
Total Xylene	mg/kg	0.522	0.555	69.5	41.2-140	6.12	23.7	L700677-01	WG723044
a,a,a-Trifluorotoluene(FID)				97.90	59-128				WG723044
a,a,a-Trifluorotoluene(PID)				103.0	54-144				WG723044
Gasoline Range Organics-NWTPH	mg/kg	14.4	16.4	52.3	20.5-134	13.3	23.8	L700677-01	WG723044
a,a,a-Trifluorotoluene(FID)				98.80	59-128				WG723044
a,a,a-Trifluorotoluene(PID)				108.0	54-144				WG723044
Benzene	mg/kg	0.205	0.212	81.8	49.7-127	3.22	23.5	L700934-01	WG723050
Ethylbenzene	mg/kg	0.194	0.207	77.6	40.8-141	6.19	23.8	L700934-01	WG723050
Toluene	mg/kg	0.202	0.214	80.3	49.8-132	5.62	23.5	L700934-01	WG723050
Total Xylene	mg/kg	0.591	0.631	78.6	41.2-140	6.61	23.7	L700934-01	WG723050
a,a,a-Trifluorotoluene(PID)				103.0	54-144				WG723050
Gasoline Range Organics-NWTPH	mg/kg	17.0	16.7	61.8	20.5-134	1.81	23.8	L700934-01	WG723050
a,a,a-Trifluorotoluene(FID)				99.10	59-128				WG723050

Batch number /Run number / Sample number cross reference

WG722972: R2928505: L701028-
WG723044: R2928806: L701028-02 03 04
WG722997: R2929328: L701028-02 03 04
WG723311: R2930079: L701028-01 02 03 04
WG723050: R2930209: L701028-

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Terracon - Portland, OR
Jonathan Horowitz
4103 SE International Way, Suite 300

Portland, OR 97222

Quality Assurance Report
Level II

L701028

May 29, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

E238

05-0105

Terracon - Portland, OR

4103 SE International Way, Suite 300 Portland, OR 97222

Billing Information:
Accounts Payable
21905 64th Avenue West, Suite 100
Mountlake Terrace, WA 98043

Report to: Jonathan Horowitz
Email to: jphorowitz@terracon.com

Project Description: Union 76 Mini Mart
City/Sate Collected: Battle Ground, WA

Phone: (503) 659-3281
FAX: (503) 659-1287
Client Project #: 81127006
ESC Key:

Collected by: Jonathan Horowitz
Site/Facility ID#:
P.O.#:

Collected by (signature):
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%
X Three Day.....25%

Date Results Needed:
Email? __No X Yes
FAX? __No __Yes

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	TPH-G by NWTPH-Gx	BTEX by EPA 8021	TPH-D and TPH-O by NWTPH-Dx	Remarks/Contaminant	Sample # (lab only)
B-5-2	Grab	SS	2	5/22/14	13:25	4				L701028 DC	-0
B-5-6			6		13:30		X	X	X		-01
B-6-2			2		13:40						
B-6-7			7		13:45		X	X	X		-02
B-7-2			2		13:55						
B-7-7			7		14:00		X	X	X		-03
B-8-2			2		14:15						
B-8-7			7		14:25		X	X	X		-04

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks: Hold other samples.

5435 5514 2440

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	5/23/14	15:30	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____
Temp: 3.2 Bottles Received: 32
Date: 5-24-14 Time: 0930

Condition: OK (lab use only) M3
CoC Seals Intact: ___ Y ___ N ___ NA
pH Checked: NCF:

CoCode (lab use only)
Template/Prelogin
Shipped Via: L701028

ESC LABORATORY SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122
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APPENDIX F

3 Kings Environmental Letter-Report
Status of UST Decommissioning Project
June 19, 2014

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

19 June 2014

Mr. Mike Noll
Terracon Consultants
21905 64th Avenue West
Mountlake Terrace, Washington
98043

Re: Status of UST Decommissioning Project for Commercial Property Located at
13 E. Main Street in Battle Ground, Clark County, Washington
3 Kings Project Number: 214048

Mr. Noll:

3 Kings Environmental Inc. (3 Kings) has completed an Underground Storage Tank (UST) System decommissioning project at the commercial property located at 13 E. Main Street in Battle Ground, Clark County, Washington ("subject site"). The work involved decommissioning by removal of a fuel canopy, three fuel dispensers and associated piping, and in-place decommissioning of three USTs ranging in size from 4,000- to 8,000-gallons. Work activities were completed between 28 April and 9 June 2014.

The following sections summarize work completed by 3 Kings.

Canopy and Dispenser Decommissioning:

3 Kings obtained permits from the City of Battle Ground and Southwest Clean Air Agency related to the demolition of an approximate 24' by 20' retail fuel canopy located on the north side of the property at 13 E. Main Street. The canopy was formerly located north of the onsite structure, and covered three dispensers located on a single pump island. The canopy consisted of a metal superstructure with tin siding and roof material.

Prior to initiation of demolition activities, 3 Kings was onsite to collect representative samples of roofing materials for the canopy. A total of four samples were collected from apparent roof tar located on the roof of the canopy. Samples were collected using hand tools, placed in plastic bags and transported to Certified Environmental Consulting, LLC in Vancouver, Washington for asbestos analysis. Results confirmed the presence of Chrysotile at four and six percent in two

of the four samples, respectively, which exceeds the Southwest Clean Air Agency action limit of one percent. As such, an asbestos abatement is required prior to demolition of the structure.

Following acquisition of a Southwest Clean Air Agency permit for abatement and demolition, as well as approval from the City of Battle Ground, 3 Kings mobilized to the subject site on 28 April 2014 to initiate demolition activities. Initially, 3 Kings removed the three onsite fuel dispensers by disconnecting the impact valves at the base of each dispenser and removing the entire dispensers. Each dispenser was capped and transported to the 3 Kings shop at 1311 SE Grace Avenue in Battle Ground, Washington for temporary storage pending resale.

Once the three dispensers were removed, 3 Kings initiated demolition of the fuel canopy. As Asbestos Containing Materials (ACM) was identified in roof materials, 3 Kings completed demolition under the supervision of a licensed Asbestos Abatement Supervisor, with continuous air monitoring. A track-mounted excavator was used to demolish the canopy, while demolition debris was segregated into recyclable materials and ACM debris. All ACM debris was contained in a 20 cubic yard roll box and transported to Waste Connections' Wasco County Landfill in The Dalles, Oregon under an approved waste profile and shipping manifest. All recyclable materials were transported to EH Recycling in Vancouver, Washington for recycling.

Following removal of the fuel canopy structure, 3 Kings over-excavated the footing for the former canopy. The footing was removed and placed on a flatbed trailer for transport to the 3 Kings shop for crushing. The footing material was later crushed and used for fill material. Demolition activities were completed on 29 April 2014.

See Appendix A, "Site Photographs," for copies of photos taken during canopy demolition and dispenser removal activities.

Fuel Island and Line Decommissioning:

Following removal of the canopy and dispensers, 3 Kings proceeded to decommission the former pump island and subsurface piping between the dispensers and existing USTs. Initially, 3 Kings contracted with an electrical contractor to disconnect power to the features, and remove the breakers associated with the UST System. Next, 3 Kings utilized a concrete cutting contractor to cut concrete approximately one foot from the fuel island. Once cut, the concrete fuel island was broken apart using a hydraulic hammer and excavator. All concrete debris was transported to the 3 Kings Shop, while steel was transported to EH Recycling for disposal.

Following removal of the former pump island, 3 Kings accessed the containment sumps over each of the three existing USTs to cut product piping at the UST. Once cut, the piping was pulled from the ground using an excavator. All piping was treated as petroleum-impacted debris, and was added to existing petroleum-impacted debris at the 3 Kings Shop for eventual transport to Waste Connections' Wasco County Landfill in The Dalles, Oregon.

See Appendix A for site photos.

3 Kings Environmental Inc
P.O. Box 280, Battle Ground, Washington 98604
Phone: (360)-666-5464

In-Place UST Decommissioning:

Following receipt of acceptable site assessment results (collected by Terracon Consultants), and approval by the City of Battle Ground and Clark County Fire Marshall, 3 Kings initiated UST decommissioning activities. Initially, 3 Kings accessed each of the three USTs using confined-space trained personnel and utilizing confined-space entry protocols for a permit-required confined-space. Approximately five gallons of sludge material were removed from each of the three USTs using a straight edge and hydrophobic rags. Sludge material was transferred to five-gallon buckets for temporary storage, and will be transported to Oil Re-Refining Company in bulk in June 2014 for disposal.

Following tank cleaning, 3 Kings provided the Clark County Fire Marshall access to the USTs for inspection. Once approved, 3 Kings proceeded to fill the USTs with Control Density Fill (CDF) provided by Cemex on 9 June 2014. A vibrator was used to ensure CDF material completely filled each UST. Each UST was completely filled, as well as all spill buckets, sumps and other tank openings. Following tank filling, 3 Kings replaced the manhole and spillbucket lids. 3 Kings coordinated a Clark County Fire Marshall inspection following completion of tank filling.

See Appendix A for site photographs.

Resurfacing Activities:

Following completion of UST filling activities, 3 Kings placed asphalt surface material in all areas where cuts occurred. Hot Mix Asphalt was placed in two approximate two-inch lifts in the former pump island area, as well as the areas previously used for site assessment sample collection activities.

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APPENDIX A

Site Photographs

APPENDIX A

SITE PHOTOGRAPHS

Singh UST System Decommissioning Project
13 E. Main Street Battle Ground, Washington
3 Kings Project Number 214048

The photo on the left shows the subject site from E. Main Street, looking southeast. This shows the site prior to decommissioning work. Photo on the right shows the roof of the canopy. Samples were collected from apparent roofing tar on top of the canopy, which were found to contain asbestos.

The photo on the left shows the site following removal of the canopy, dispensers and pump island. Product lines were also removed between the dispensers and USTs (located behind cement truck). Photo on the right shows tanks being filled with CDF material.