SECTION 5

REMEDIAL EXCAVATION REPORT

SITE REMEDIAL EXCAVATION REPORT

Performed at:
FIFE RV CENTER
3410 Pacific Highway East
Fife, Washington 98424

AEROTECH
Environmental Consulting Inc.

November 1, 2016

Anchorage Seattle Portland

Cost-effective environmental solutions
for the western United States and Alaska

www.AerotechEnvironmental.com

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FIFE RV CENTER
3410 Pacific Highway East
Fife, Washington 98424

November 1, 2016

Performed by:
Aerotech Environmental Consulting, Inc.
13925 Interurban Avenue South, Suite No.210
Seattle, Washington 98168
Fax (206) 429-3594
(866) 800-4030
www.AerotechEnvironmental.com

REMEDIAL EXCAVATION REPORT

performed for:
MR. CHRIS LaVERDIERE
3410 Pacific Highway East
Fife, Washington 98424

Clients:	**MR. CHRIS LaVERDIERE** 3410 Pacific Highway East Fife, Washington 98424
Point of Contact:	Mr. Chris LaVerdiere Representative of Ownership Group
Property:	**FIFE RV CENTER** 3910 Pacific Highway East Fife, Washington 98424
County:	Pierce County, Washington Parcel Number: 0320111067
Commercial Activity:	RV Retail
Project Number:	216-4013
Report Date:	November 1, 2016
Washington Certified Site Assessor:	Nicholas Gerkin (No. ICC00249119)
Licensed Geologist:	James G. McDermott (No. 3063)

EXECUTIVE SUMMARY

The subject Property of this Site Remedial Excavation is comprised of one irregularly-shaped 3.76-acre Parcel, located on the south side of Pacific Highway East in Fife, Washington. One building, occupied by *Fife RV Center*, is situated on the southeastern corner of the Property. It is an approximately 10,763 square foot, 2-story structure with the main entrance to the north. An approximately 1,000 square foot, 1-story structure is situated northeast of the main building along the eastern Property boundary. Asphalt parking areas surround the structure on all sides and are utilized for the storage and display of the RV inventory. On the west side of the Property lies an approximately 0.77 acre vacant gravel parking lot, occasionally used to store RV inventory.

Surrounding areas include a drainage ditch to the south followed by Interstate 5. The neighboring Parcel to the east includes approximately 5.24 acres which is leased by Fife RV Center for use as additional storage. Formerly included with this Parcel prior to subdivision in 2004, situated to th north along Pacific Highway East, is a *Travelodge*. This Parcel is listed on Washington State Department of Ecology ("Ecology") Voluntary Cleanup Program List as Site No. SW0601 and is known as *Homotel*. It has been confirmed to contain petroleum products and metals at concentrations above the State Cleanup Levels in soil and in groundwater.

Pacific Highway East, followed by an *Econolodge*, are adjoining the subject Property to the north. Formerly included within the same Parcel as the subject Property is a Tahoma Express Gas Station and a Jack in the Box adjoin to the west (north of excavation area) followed by the Port of Tacoma Road. The Tahoma Express Gas Station was listed on Ecology's Site Cleanup List as Site No. 5015. The Ecology Database lists the site as formerly having petroleum hydrocarbons at concentrations above the State Cleanup Levels in soil and groundwater. The site received a No Further Action determination from Ecology in 1993.

Based on historical research, from the mid 1960's until the late 1980's a *Gasamet* gas station occupied this portion of the Property with the pump islands situated along the northern Property boundary and partially onto the current Jack in the Box Property. The Underground Storage Tank ("UST") Basins were located to the east and west of the pump islands with the station building situated along the southwestern Property boundary. A wooded water retention area, known as a Bio-Swale, is located on the northwest corner of the Parcel. A qualitative record of test pit activities conducted in 2000 indicated strong petroleum odor in soil in the upper four feet of excavated soil in this area (Documentation included in Supplemental Documents section of Appendix).A drainage ditch is located off-Property to the southwest with Interstate 5 beyond.

In 2014, Associated Earth Sciences, Inc. conducted a *Supplemental Phase II Environmental Site Assessment* at the subject Property. Soil and groundwater samples collected from soil borings advanced in the current vacant gravel lot in the vicinity of the former Gasamet pump islands and UST Basin contained petroleum hydrocarbons at concentrations above the Model Toxic Control Act ("MTCA") Method A Cleanup Levels. Based on these results, Mr. Chris LaVerdiere requested Langseth Environmental ("Langseth") and Aerotech Environmental Consulting, Inc. ("Aerotech") to perform site remedial excavation and environmental consulting services to remove soil containing petroleum hydrocarbons at concentrations above the MTCA Method A Cleanup Levels at the areas identified in the *Supplemental Phase II Environmental Site Assessment* at the subject Property

Aerotech, along with Langseth, performed a Remedial Excavation in two phases during the month of October 2016. Analytical results from historical environmental investigations and samples collected during the Site Remedial Excavation and during Test Pit activities were used to determine the final extents of the excavation. Major subsurface utilities were identified at several locations on the Property and limited the removal of soil containing petroleum hydrocarbons at concentration above the MTCA Method A Cleanup Levels at these locations. A saturated, wooded bio-swale is located on-Property to the northwest of the Site Remedial Excavation, a downward topographic slope leading to a water drainage ditch to the southwest limited soil removal in these directions. Former fueling station conveyance system remnants along with 1,685.24 tons of potentially contaminated soil to the LRI Landfill located at 30919 Meridian Street East, Graham, Washington. A total of 84 soil samples were collected from the sidewalls and bottom of the excavation in the vicinity of the former fuel pump and former UST Basin . Groundwater levels within the excavations ranged from 5 feet in the Southwest to 10 feet in the Northeast.

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SECTION I.
INTRODUCTION

At the request of Mr. Chris LaVerdiere, on behalf of Fife RV Center, Aerotech Environmental Consulting, Inc. ("Aerotech") has prepared this report presenting the results of remedial excavation activities conducted at the above-referenced site. The purpose of the excavation was to evaluate the extent of and remove soil containing residual petroleum hydrocarbon concentrations above the MCTA Method A Cleanup Levels from the Site. Based on the *Supplemental Phase II Environmental Site Assessment* conducted by Associated Earth Sciences, Inc. ("AESI")the primary area of concern was the northwestern portion of the Property, which was occupied by a gas station, known *as Gasamet*. The station operated from the mid-1960's until the late 1980's, at which time most of the station features were removed. Soil boring locations (EB-4, EB-5, EB-6, and EB-7) were used as starting points and visual and olfactory indicators were used in the field to estimate the extent of the presence of petroleum hydrocarbons. Final extents were then verified with laboratory analytical analysis of delineation samples taken from the surrounding sidewalls and bottom of the excavation at the conclusion of each day.

SECTION II.
SITE DESCRIPTION

Site Description:

The subject Property of this Site Remedial Excavation is comprised of one irregularly-shaped 3.76-acre Parcel, located on the south side of Pacific Highway East in Fife, Washington. One building, occupied by *Fife RV Center*, is situated on the southeastern corner of the Property. It is an approximately 10,763 square foot, 2-story structure with the main entrance to the north. An approximately 1,000 square foot, 1-story structure is situated northeast of the main building along the eastern Property boundary. Asphalt parking areas surround the structure on all sides and are utilized for the storage and showing of the RV inventory. On the west side of the Property lies an approximately 0.77 acre vacant gravel parking lot, occasionally used to store RV inventory.

The Property is situated between Blair Waterway (leading to Commencement Bay), which is approximately 4,000 feet to the north and the Puyallup River, which is located 3,000 feet to the southwest and flows to the northwest into Commencement Bay. Slopes in the vicinity of the Site descend to the southwest towards the Puyallup River. The elevation of the parcel north of Pacific Highway East (Econolodge) is approximately that of the subject Parcel, 11 feet above mean sea level ("MSL"), however, Pacific Highway East itself is approximately 4 feet above that. The topography slopes steadily in a southerly direction from Pacific highway East towards the subject Parcel until the local topographic low, 4 feet above MSL at the drainage area southwest of the Site.

Surrounding Area Description:

Surrounding areas include a drainage area to the south with Interstate 5 adjoining beyond. The neighboring Parcel to the east includes approximately 5.24 acres which is leased by Fife RV Center for use as additional storage. Formerly included with this Parcel before being subdivided in 2004, situated along Pacific Highway East to the north, is a *Travelodge*. This Parcel is listed on Washington State Department of Ecology ("Ecology") Voluntary Cleanup Program List as Site No. SW0601 and is known as *Homotel*. It has been confirmed to contain petroleum products and metals at concentrations above the State Cleanup Levels in soil and in groundwater.

Pacific Highway East, followed by an *Econolodge*, are adjoining the subject Property to the north. Formerly included within the same Parcel as the subject Property is a Tahoma Express Gas Station and a Jack in the Box adjoin to the west (north of excavation area) followed by the Port of Tacoma Road. The Tahoma Express Gas Station was listed on Ecology's Site Cleanup List as Site No. 5015. The Ecology Database lists the site as formerly having petroleum hydrocarbons at concentrations above the State Cleanup Levels in soil and groundwater. The site received a No Further Action determination from Ecology in 1993. A drainage area is located off-Property to the southwest with Interstate 5 beyond.

Site Development Description:

Based on historical research, from the mid 1960's until the late 1980's a *Gasamet* gas station occupied this portion of the Property with the pump islands situated along the northern Property boundary and partially onto the current Jack in the Box Property. The Underground Storage Tank ("UST") Basins were located to the east and west of the pump islands with the station building situated along the southwestern Property boundary. A wooded water retention area, known as a Bio-Swale, is located on the northwest corner of the Parcel. A qualitative record of test pit activities conducted in 2000 indicated strong petroleum odor in soil in the upper four feet of excavated soil in this area (Documentation from the City of Fife permit office is included in the Supplemental Documents section of Appendix).

Previously Identified Contaminants of Concern:

AESI performed a *Supplemental Phase II Environmental Site Assessment* on December 18 and 19, 2014 in the Areas of Concern identified in their *Phase I Environmental Site Assessment* dated October 29, 2013. Petroleum compounds were identified as Contaminants of Potential Concern. Total Petroleum Hydrocarbons as Gasoline ("TPHg") along with Benzene, Toluene, Ethylbenzene, and Total Xylenes were present at concentrations above the MTCA Method A Cleanup Levels in soil and groundwater.

Site Observations and Reported Conditions:

With the exception of the above referenced environmental concern, there were no additional Recognized Environmental Conditions or concerns identified as potential impacts to the Property resulting from AESI's *Phase I Environmental Site Assessment* or the *Supplemental Phase II Environmental Site Assessment*..

SECTION III.
GEOLOGY AND HYDROGEOLOGY

Geologic Conditions:

The precise Property location is N 47° 14' 34.44" / W 122° 22' 58.80" as determined by DeLorme mapping data. The Site is located in Universal Transverse Mercator Zone 11. The Site elevation is approximately 9 to 12 feet above mean sea level. As observed during the Site visit and confirmed on the USGS topographic map, the subject Property is relatively flat. As is commonly the case in low-lying areas near sea level, many roads and properties appear to be elevated several feet above the original grade. Evidence of the original grade may be seen in the decrease in elevation evident north of Pacific Highway East, north of the subject Property. A ditch is located a few tens

of feet south of the Property adjoining to the south. A second ditch is located east of the property adjoining to the east. The field west of the subject Property slopes markedly to the level of the ditch to the south. Pacific Avenue East is elevated approximately two feet above the Site.

The regional topography within the Commencement Bay tidal flats is that of the nearly planar surface generated by the placement of artificial fill material in the later decades of the nineteenth century and the early years of the twentieth century. Elevations on ridges over one mile to the south increase to more than 200 feet MSL, at the northernmost margins of the south Tacoma upland area.

During the course of the on-site Reconnaissance, particular attention was directed towards (i) pools of liquid; (ii) roads and paths that might be used for unauthorized entry; (iii) drains and sumps; (iv) stressed vegetation; (v) pits, ponds, or lagoons; (vi) surface or soil staining; (vii) ditches, catch basins, or dry wells; (viii) unidentified substance containers; (ix) location of manholes, sewer grates, sewer outfalls; and (x) other subterranean accesses. All roads, driveways, paths, and other vehicular access areas were identified and evaluated for suspected use as an avenue for transport or disposal of hazardous materials, regulated substances, or petroleum products. Railroad tracks and previous right-of-ways are also identified if present on the subject Property.

Potential wetland area indicators were considered during the on-site activities. These indicators include: (i) wetland characteristic soil types; (ii) areas that appear permanently wet during most of the year; (iii) the presence of wetlands-related submergent or emergent plants; and (iv) wetland indicative wildlife. Suspected wetlands were not observed on the Site.

As observed during the Site visit and confirmed on the USGS topographic map, the subject Property lies several hundred feet north of the base of a steep bluff, nearly 80 feet in height, on a relatively planar surface perhaps sloping regionally to the north or northeast. The Site lies near the southwest extremity of the Tacoma tidal flats; the tidal flats in this area were filled in the late nineteenth century, very likely with a variety of soils and debris, but tend to be somewhat dominated by sandy materials.

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Subsurface Soils, Regional and Local Geology:

The Puget Sound lies within a tectonic trough situated between the Olympic Mountains to the west, and the northern Cascade Mountains to the east. This trough is characterized by fault zones accommodating north-south compressional rotation, commonly resulting in predominant north-south and northwest-southeast oriented faults and fault zones. Elliott Bay lies north of the Seattle Fault Zone, while Tacoma's Commencement Bay lies south of the northernmost Tacoma Fault zone rupture. A major fault is mapped below the bluffs on which central Tacoma was developed, along the western margin of Commencement Bay. Commencement Bay and the Puyallup River Basin lie on the down dropped side of the fault. The Commencement Bay intertidal zone has been elevated by the emplacement of fill throughout the early20th century. The uppermost soils in the Puyallup River Valley are dominated by alluvial and fluvial sediments and to the southeast, occasionally

volcanic mud flows originating below the slopes of the Mount Rainier volcano. Deep borehole data indicate approximately 1,800 feet of unconsolidated glacial and interglacial sediments in the former tidal flats in the vicinity of the subject Property.

The subject Property and vicinity, south of the Blair Waterway, are mapped as Quaternary Alluvium. These soils are characterized as:

> "Gravel, sand, silt, and clay. Deposited chiefly by modern streams, but includes some swamp deposits. Includes marine deposits near the mouth of the Puyallup river .... thickness ranges from a few feet to as much as 600 feet. Yields small to moderate quantities of water to wells. Locally capable of large yields."

Ground-Water Occurrence and Stratigraphy of Unconsolidated Deposits, Central Pierce County, Washington, Water Supply Bulletin No. 22, State of Washington, Department of Water Resources, Kenneth L. Walters and Grant E. Kimmel, 1968

Geologic Map of the Poverty Bay 7.5' Quadrangle, King and Pierce Counties, Washington, US Geological Survey, D.B. Booth, H.H. Waldron, and K.G. Trost, 2004, Open File Report OF 77-9. Washington State Department of Natural Resources,

Geologic Map of the Tacoma North 7.5' Quadrangle, King and Pierce Counties, Washington, US Geological Survey, unpublished draft.

Geologic Map of the City of Tacoma, Pierce County Washington, Mackey Smith, 1977, and unpublished maps on topographic base by Timothy J Walsh, Washington State Department of Natural Resources, circa 1987.

Groundwater Hydrology of the Tacoma-Puyallup Area, Pierce Country, Washington, USGS Water Resources Investigation 99-4013, M.A. Jones, L.A. Orr, J.C. Ebbert, and S.S. Sumioka, 1999.

Unconsolidated sediments documented during excavation activities at the subject Property include: Gravel (FILL) at depths between the ground surface and a depth of 1 foot, and Poorly Graded Sand (FILL) between depths of 1 and 3 feet near the Northern Property Boundary, grading to depths between 1 and 5 feet near the Southern Property Boundary. Beneath the Sand FILL, Sandy Silt was uniformly present at the Site. The exception to this General Description was the Possible Former UST Basins, which Contained Poorly Graded Sand (FILL) to a depth of approximately 9 feet below ground surface. The Basins were encountered in the Northeast, Central, and West Excavation Areas.

A Washington Department of Transportation test boring advanced near the intersection of the Port of Tacoma Road and Interstate 5, documents the presence of gravel with sand and sand to a depth of 8 feet, underlain by at least 12 feet of silt or silt with sand. The shallow gravels may represent fill material placed atop natural fluvially and alluvially deposited silts and sandy silts. These fill materials may be expected underneath roadways and developed properties, and are often designed to elevate the surface above shallow groundwater and reduce susceptibility to flooding due to groundwater flooding during wet periods, and flooding due to heavy precipitation or breaches and overtopping of the levee system or the associated ditch systems.

Subsurface and Hydrological Characteristics - Groundwater Flow:

The principal aquifers in the Puget Sound Region occur in glacial drift, that along with finer grained interglacial sediments, underlie the basin lowland to depths often exceeding 1,000 feet. Sand and gravel units within the glacial drift form the principle aquifers. These aquifers receive ample recharge from the typically heavy precipitation characteristic of western Washington. The glacial drift in the Puget Sound region varies greatly in composition and water yielding capacity. Typically, wells in glacial drift that tap silt, clay, or till in the region at approximately 75 to 100 feet below ground surface may have yields of 100 gallons or more per minute. Deeper wells tapping thick, saturated layers of highly permeable gravel and coarse sand, typically at depths greater than 250 feet below ground surface, can yield more than 1,000 gallons per minute.

Static water levels north and east of the subject Property have been recorded between depths of three to six feet bgs. During the AESI Phase II, water levels were reported to range from three to seven feet bgs on the subject Property. Ditches in the vicinity are estimated to be as much as four to five feet deep. Groundwater flow direction has been documented at the property to the north as flowing to the south-southwest; to the west and southwest at the current *Travelodge* property, adjacent to the east; and at the former Texaco Station, adjacent to the northwest, as flowing to the west-southwest, or to the south or southwest. Topography is not always a reliable basis for predicting groundwater flow direction, and flow may vary considerably from site to site, according to local influences such as the presence of production or irrigation wells and variations in geologic material and the geometry of distinct geologic units.

A groundwater divide, north of which groundwater flow may be expected to flow toward Commencement Bay, is likely present perhaps as near as a few hundred feet to the north of the Site; this groundwater divide may migrate considerable. The straightened and levi-bound Lower Puyallup River channel is located approximately 3,000 feet south west of the subject Property. Groundwater in the vicinity of the Site, based upon water level data may flow predominantly in the direction of the Puyallup River channel, but may also flow to the west or northwest where the groundwater system is influence by elevated Puyallup River water levels during flood stage or the wet winter seasons.

Components of an extensive ditch system are visible south of the Site, along the northern and southern margins of Interstate 5, and north of Pacific Highway East. Portions of the ditch system to the north may discharge to Wapato Creek to the east. Ditches to the south may not be connected to the system to the north. When the water table is low, during dry summer months, water entering ditches may, in part, infiltrate toward the water table; when the water table is higher, during wet winter periods, groundwater may discharge to deeper drainage ditches.

Because tidal fluctuations approach 15 or more feet in the Tacoma area, complex fluctuations in ground water levels and flow direction may occur within some low lying areas near Commencement Bay. Tidal fluctuations may potentially influence groundwater flow at the subject Property, given its location approximately 3,000 feet from the Blair Waterway and approximately 3,000 feet northeast of the Puyallup River channel. Groundwater flow direction at low tide may potentially be diverted somewhat to the west or even northwest.

Jones, Orr and Ebbert depict the shallow alluvial aquifer of Commencement Bay as hydraulically connected to adjoining glacial aquifers above; in general groundwater is expected to flow from the bluffs above, toward Commencement Bay and the Puyallup River, with a significant flow component in the direction of river flow, toward Commencement Bay.

> "Aquifer Qc1 [Jones 1999] is generally a confined aquifer except where it is exposed at the surface, where it is unconfined, or not completely saturated beneath Qvt [Vashon Till]. It consists largely of sand and gravel deposits but does contain silt and clay within the sand

and gravel matrix. ... The altitude of the top of this aquifer ranges from 50 feet below sea level to 509 feet above sea level."

Groundwater Hydrology of the Tacoma-Puyallup Area, Pierce Country, Washington, USGS Water Resources Investigation 99-4013, M.A. Jones, L.A. Orr, J.C. Ebbert, and S.S. Sumioka, 1999.

Ground-Water Occurrence and Stratigraphy of Unconsolidated Deposits, Central Pierce County, Washington, Water Supply Bulletin No. 22, State of Washington, Department of Water Resources, Kenneth L. Walters and Grant E. Kimmel, 1968

Lower Duwamish Waterway, Phase I Remedial Investigation Report, Final, Lower Duwamish Waterway Group, and *Development of a Three-Dimensional, Numerical Groundwater Flow Model for the Duwamish River Basin*, Booth and Herman 1998.

Tidal Along-shore Groundwater Flow in a Coastal Aquifer, L. Li, D.A. Barry, F. Stagnitti, and J.Y. Parlange, Environmental Modeling and Assessment 4 (1999), pp 179-188.

The shallow gravel and sand fill is generally expected to readily transmit groundwater, and where present, groundwater contaminants, while the underlying silts and sandy silts are generally expected to impede both the vertical and horizontal flow of groundwater, and where present, groundwater contaminants. Where porous fill materials associated with utility trenches, such as those that may be present underneath Pacific Highway East, are present, these trenches may serve to intercept and divert shallow groundwater.

The presence of water during the *Site Remedial Excavation* varied greatly. Factors contributing to this variance included local rainfall, fill material thickness, and location on the Property. The source of much of the ground water onsite was from direct percolation of rainfall into the Gravel surface underlain by the Sand FILL on the Property. Additionally, surface runoff originating from the Jack in the Box Property to the Northwest, the Access Easement to the North, and the Tahoma Express Property to the northeast, flowed directly onto the subject Property. The lack of a curb on the north Property boundary coupled with poor grading as related to catch basins, allowed for surface runoff to free flow down an approximately 0.04 ft/ft grade onto the subject Property.

The Northeast Excavation, which was performed on a day with minimal precipitation, was to a total depth of 10 feet bgs. The north side revealed groundwater seepage above the Sandy SILT. In the northwestern corner, this was from a depth of approximately 3 feet, while in the northeastern corner, where FILL was present to a depth of 9 feet, groundwater seepage was recorded from depths ranging from 3 feet and 9 feet. The depth to groundwater in the bottom of the excavation at the end of the day was 10 feet bgs.

The Central Excavation, which was to a total depth of 10 feet bgs did not reveal groundwater seepage in the northern half. Only when excavating in the vicinity of the 12-inch storm sewer pipe trench, which contained gravel and cobbles, did groundwater flow into the open-hole. The water level was measured at 10 feet bgs before the Central Excavation was backfilled.

The West Excavation, which was performed in heavy precipitation, was also to a depth of 10 feet bgs. Severe sloughing of the saturated sidewalls was observed and the water level was measured to be 9 feet bgs. The Southwest Excavation, which was performed concurrently, was to be to a depth of at least 10 feet bgs, however, when the trench was exposed to the 12" storm sewer, groundwater flowed readily in to the open-hole. Groundwater was measured to be at a level of 5 feet bgs. The excavation was then abandoned. No water was encountered in the Southeast Excavation.

The lower Puyallup River levee system was constructed in the 1940s:

> "The Flood Control Act of June28, 1938 provided for the construction and maintenance of a channel conveyance project. The project provides for a channel with a capacity of 50,000 cfs between the East 11th Street bridge and the lower 2.2 miles at Commencement Bay, by straightening the channel, building levees, and making all necessary bridge changes. The East 11th Street bridge at the lower end of the project is 0.75 mile above the mouth of the Puyallup River. The project was completed in 1950."

During a period of record flooding in January 2009, Puyallup River flow peaked at 41,500 cfs; channel sedimentation during the last six decades is believed to have decreased the channel cross section and therefore capacity. The USACE estimates that, in the absence of flood control efforts imposed by the management of releases from the Mud Mountain Dam, "the peak flow in the Puyallup River at Puyallup would have exceeded 70,000 cfs" in January 2009.

> "The Puyallup River enters Commencement Bay in the City of Tacoma. The estuary historically covered an area approximately 5,800 acres in size. From 1877 to 1988, over 98 percent of the estuary was modified, leaving only 187 acres of mudflat, 90 acres of subtidal and intertidal vegetated shallows, and only 57 acres of the original tidal marsh. ... Additional alterations to the Commencement Bay contributed to the now degraded and filled delta region."

> "The lower Puyallup River levees are primarily constructed on fine-grained silt and clay, with deposits of clean sand to silty sand and gravelly sand. On a large scale, these soils are generally uniform .... the levees themselves are composed of a mixture of the existing native deposits with the embankments and nearby foundation soils containing cobbles, boulders, and wood pilings."

> "Sediment transport has been estimate to range from 440,000 to 1,400,000 tons annually, with the majority of these sediments characterized as fine sediments..."

Puyallup River Section 905(b) WRDA 86 Analysis, U.S. Army Corps of Engineers, Seattle District, March 18, 2009.

The City of Tacoma supplies potable water within the city limits. The City of Tacoma reports its water source as the upper eastern sections of the Green River watershed along the western flanks of the Cascade Mountains; the city also maintains groundwater production wells within the same area, in the vicinity of the Eagle Gorge Reservoir and the Howard Hanson Dam, some twenty miles east of the subject Property. A municipal well field, utilized during high demand periods, is located near Interstate 5 in south Tacoma, over three miles west of the subject Property.

SECTION IV.
FIELD WORK

Site Activities:

The *Site Remedial Excavation* activities were performed on October 3, 4, 5, 6, 7, 20, 21, and 24, 2016 under contract with Aerotech. The subsurface remedial excavation was performed by

equipment owned by and operated by Langseth. Dump trucks subcontracted by Langseth transported 1,685.24 tons of potentially contaminated soil to the Landfill and Recycling, Inc. ("LRI") Landfill located at 30919 Meridian Street East, Graham, Washington (see Weight Tickets in Appendix). All subsurface work was overseen by an experienced Certified Washington UST Site Assessor, Nicholas Gerkin. The laboratory analytical services were performed by a State of Washington Licensed Laboratory, Advanced Analytical Environmental Testing Laboratory, Inc. ("Advanced Analytical") in Redmond, Washington.

Notifications - "Public" Utilities:

Due to the age and nature of the Site, a "public" utilities notification was performed prior to the start of work. Aerotech Environmental Consulting, Inc.[1] performed the "public" utilities notification on September 28, 2016, and was issued Ticket Number 16314495 by the Utilities Underground Location Center.

According to the Utilities Underground Location Center the utilities, notification included:

ADTEL	INTEGRA TELECOM	(800)762-0592
CC7711	COMCAST CABLE	(800)762-0592
FIFE01	CITY OF FIFE	(253)922-9315
MCCHRD01	MCCHORD PIPELINE COMPANY	(253)383-1651
OLYPE01	BC/OLYMPIC PIPE LINE COMPANY	(425)981-2517
PUGE07	PUGET SOUND EVERGY ELECTRIC	(888)728-9343
PUGG07	PUGET SOUND ENERGY GAS	(888)728-9343
QLNWA24	CTLQL-CENTURYLINK	(800)778-9140
TACPWR01	TACOMA PWR & CLICK NETWORK	(253)502-8263

Notifications - Private Utilities Location:

Additionally, Aerotech Environmental Consulting, Inc engaged personnel of Mountain View Locating, LLC of Bonney Lake, Washington to locate on Site exterior utilities on September 30 and October 19, 2016, prior to the start of the on Site excavation activities. Mr. Dave Schaff was present representing Mountain View Locating, LLC. Mr. Nick Gerkin and Mr. Steve Fletcher, a Subsurface Utility Expert were present, representing Aerotech.

No unanticipated or unexpected situations were discovered or encountered during the "private" locating activities. Based upon pavement markings made by utility location technicians; the location of visible utility fixtures such as gas valves, electrical panels and manholes; the locations of patched pavement; and the presence of anomalies detected by induction methodologies, possible and probable locations of buried utilities were identified and marked, in order to safely guide the progress of the remedial excavation.

Ground Penetrating Radar Subsurface Investigation:

A Ground Penetrating Radar Study and magnetometer survey were performed in the Areas of Concern on September 30 and October 19, 2016 by Mr. Dave Schaff of Mountain View Locating, LLC, with special attention to planned borehole locations. Mr. Nick Gerkin representing Aerotech Environmental, was also present during the radar survey in order to guide the investigation and interpret results.

A Ground Penetrating Radar ("GPR") Study is a geophysical methodology which uses radar

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[1] Aerotech Environmental Consulting, Inc., was previously issued a Contractor Identification Number by the non-profit Utilities Underground Location Center (www.callbeforeyoudig.com).

pulses to reflect off of subsurface structures and thus provide an image of the subsurface conditions and the possible presence of subsurface objects. The depth of GPR Survey is determined by the electrical conductivity of the ground and the survey equipment transmitting frequency, and is limited to eight to thirteen feet below ground surface. However, the presence of significant subsurface obstructions, concrete rebar, or surficial obstructions, may limit the depth of radar penetration, the accuracy or resolution of the radar data, and ultimately the ability to accurately interpret and identify possible buried objects, or natural subsurface interfaces.

Excavation Activities (Phase 1):

On October 3 and 4, 2016, Aerotech observed Langseth excavate an area, of approximately 1250 square feet to a depth of 10 feet bgs. The presence of an electrical conduit to the north, storm sewer conduit to the northeast, and the 6-inch water main to the southwest limited the Northeast Excavation in these directions. Conveyance system remnants including piping were discovered in the vicinity of the P5 locations at a depth of approximately 3 to 4 feet bgs. Samples were acquired at the P1 through P11 locations at depths ranging from 3 to 10 feet bgs. Groundwater level was measured to be at 10 feet bgs. 110 pounds of Regenesis Oxygen Release Compound Advanced ("ORC Advanced") was mixed in to the floor of the excavation using the excavator bucket. A 70-foot long by 10-foot wide Cool Guard HRL36 Liner was then installed on the north and northeast sidewalls of the excavation from ground surface to the total depth of 10 feet bgs. The excavation was then backfilled by Langseth.

On October 5 and 6, 2016, Aerotech observed Langseth excavate an area, of approximately 700 square feet to a depth of 10 feet bgs. The presence of an electrical conduit to the southwest and northwest and the 6-inch water main to the northeast limited the Central Excavation in these directions. The majority of conveyance system remnants including piping were discovered throughout the excavation at a depth of approximately 3 to 4 feet bgs. Samples were acquired at the P12 through P19 locations at depths ranging from 5 to 10 feet bgs. 110 pounds of ORC Advanced was mixed in to the floor of the excavation using the excavator bucket. A 30-foot long by 10-foot wide Cool Guard HRL36 Liner was then installed on the northwest sidewall of the excavation from ground surface to the total depth of 10 feet bgs. The excavation was then backfilled by Langseth.

Test Pit Activities:

On October 6, 2016, excavation activities were suspended to begin digging test pits. Samples were to be collected at various areas of the site to acsertain the extent of soil containing petroleum hydrocarbons at concentrations above the MTCA Method A Cleanup Levels. Aerotech observed Langseth excavate each test pit, each of which was approximately 10 feet long by 4 feet wide. After samples were collected, soil was replaced back in to each hole from which it originated.

Test pits were excavated during October 6 and October 7, 2016. Soil containing petroleum hydrocarbons at concentrations above the MTCA Method A Cleanup Levels in TP3, TP6, TP7, TP8, and TP9. The laboratory analytical results from test pit activities identified what was to become the West, Southwest, Southeast excavations along with the final southern half of the Central excavation.

Excavation Activities (Phase 2):

On October 20, 2016, in heavy precipitation, Aerotech observed Langseth excavate an area, of approximately 670 square feet to a depth of 10 feet bgs. The presence of a 12-inch storm sewer conduit to the south, electrical conduit to the east, and the bio-swale to the northwest limited the West Excavation in these directions. Samples were acquired at the P20 through P24 locations at depths ranging from 5 to 12 feet bgs. Extreme sloughing was observed from the eastern sidewall.

165 pounds of ORC Advanced was mixed in to the floor of the excavation using the excavator bucket. Groundwater was measured at 9 feet bgs. An area immediately to the south of approximately 170 square feet, the Southwest Excavation, was then excavated by Langseth. The exposure of the storm sewer trench to the north allowed water to readily flow into the open-hole which stabilized at 5 feet bgs. No additional samples were collected from this area. 22.5 pounds of ORC Advanced was mixed in to the floor of the excavation using the excavator bucket. The hole was abandoned due to the level of saturation. The excavation was then backfilled by Langseth.

On October 21, 2016, in heavy precipitation, Aerotech observed Langseth excavate an area, of approximately 600 square feet to a depth of 10 feet bgs. The presence of a 12-inch storm sewer conduit to the southeast, and the 6-inch water main to the northeast limited the extension of the Central Excavation in these directions. Samples were acquired at the P25 through P28 locations at depths ranging from 3 to 10 feet bgs. Extreme sloughing was observed from the eastern sidewall. 55 pounds ORC Advanced was mixed in to the floor of the excavation using the excavator bucket. The excavation was then backfilled by Langseth.

On October 24, 2016, Aerotech observed Langseth excavate an area adjoining the Northeast Excavation from sample point P11 to sample points TP1 and TP2, of approximately 250 square feet to a depth of 10 feet bgs. The presence of the 6-inch water main to the southwest, electrical conduit to the southeast, and a storm sewer conduit to the northeast limited the extension of the Northeast Excavation in these directions. A sample were acquired at the P29 location at a depth of 3 feet bgs. No groundwater was encountered. The excavation was then backfilled by Langseth.

On October 24, 2016, Aerotech observed Langseth excavate an area, of approximately 650 square feet to a depth of 10 feet bgs. The presence of a 12-inch storm sewer conduit to the south and electrical conduit to the west limited the second extension of the Central Excavation in these directions. Samples were acquired at the P30 through P31 locations at depths ranging from 5 to 10 feet bgs. Extreme sloughing was observed from the western sidewall. 22.5 pounds of ORC Advanced was mixed in to the floor of the excavation using the excavator bucket. The excavation was then backfilled by Langseth.

On October 24, 2016, Aerotech observed Langseth excavate an area, of approximately 310 square feet to a depth of 5 feet bgs. The presence of an electrical conduit to the northwest limited the Southeast Excavation in this direction. Samples were acquired at the P32 through P34 locations at depths of 3 feet bgs. The excavation was then backfilled by Langseth.

Soil Sample Collection:

A total of 84 discrete soil samples were collected and preserved in accordance with EPA Method 5035A on October 3, 4, 5, 6, 7, 20, 21 and 24, 2016 from test pits and the sidewalls and the floor of the excavations. Sample collection depths ranged from 3 to 12 feet bgs. Visual or olfactory evidence of petroleum impacted soil was observed between depths of 3 and 10 feet bgs in the vicinity of the former pump islands and UST Basins.

A Trimble GeoXH 2008 series Global Positioning System unit was used to collect latitudinal and longitudinal coordinates for each sample location. Each sample location, along with reference points onsite were recorded onsite by John Sidor, an Aerotech Georaphic Information Systems Professional to within one meter accuracy.

Samples were placed in unpreserved 40cc glass vials and/or unpreserved four-ounce glass jars. Select samples were placed into methanol-preserved 40cc glass vials if they were to arrive at the laboratory after greater than 24 hours. Each sample was given a unique identifier number and placed in an iced cooler for sample preservation. A Chain of Custody recorded the collection and handling of every sample. The soil samples were then submitted to Advanced Analytical. Soil samples were analyzed for TPHg in accordance with Method NWTPH-Gx and benzene, toluene, ethylbenzene, and total xylenes in accordance with EPA Method 8021B. Select soil samples were

analyzed for lead in accordance with EPA Method 7010 and Chlorinated Volatile Organic Compounds in accordance with EPA Method 8260B. Select samples from Northeast, Central, and West Excavation areas were also analyzed for diesel ("TPHd") and motor oil ("TPHo") in accordance with NWTPH-Dx extended for further verification that the two constituents were not contaminants of concern. Laboratory analytical reports and Chain of Custody Records are provided in the Appendix. Cumulative soil sample laboratory analytical results can be found in Table 1.

Site Restoration:

Upon completion of each section of the remedial excavation, the open-holes were backfilled with pit run - 1 1/4" crushed rock, sand, and quarry spalls to allow for improved compaction. Each excavation area was subsequently compacted every three to four vertical feet by Langseth using a backhoe-mounted tamper. The crushed rock was also spread evenly across the parking lot to restore any disturbed areas from excavation-related work.

SECTION V.
CONCLUSION

Aerotech, along with Langseth, performed a Remedial Excavation in two phases during the month of October 2016. Analytical results from the Phase II *Supplemental Phase II Environmental Site Assessment* were used to guide the initial stages of the excavation. Analytical results from samples collected during the Site Remedial Excavation and during Test Pit activities were used to determine the final extents. Major subsurface utilities were identified at several locations on the Property and limited the removal of soil containing petroleum hydrocarbons at concentration above the MTCA Method A Cleanup Levels at these locations. TPHg, Benzene, Toluene, Ethylbenzene, and Xylenes remain Constituents of Concern at the Site. Chlorinated Volatile Organic Compounds, TPHd, and TPHo not detected above laboratory Minimum Reporting Limits. Lead was detected, but at concentrations well below the MCAT method A Cleanup Level for Soil. A saturated, wooded. Bio-Swale is located on-Property to the Northwest of the Site Remedial Excavation and limited soil removal in that direction. Southwest of the Property, the topography slopes downward into a water retaining drainage area, which also limited soil removal. Former fueling station conveyance system remnants along with 1,685.24 tons of potentially contaminated soil to the LRI Landfill located at 30919 Meridian Street East, Graham, Washington. A total of 84 soil samples were collected from the sidewalls and bottom of the excavation in the vicinity of the former fuel pump and former UST basin. Groundwater was encountered on Site at levels ranging form 3 to 10 feet bgs.

STATEMENT OF THE WASHINGTON CERTIFIED UST SITE ASSESSOR

I have performed this Site Remedial Excavation in accordance with generally accepted environmental practices, procedures, and regulatory requirements, as of the date of this Report. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of this part. I have the specific qualifications based upon education, training, and experience necessary to plan and implement subsurface investigations.

Signature of the Washington Certified UST Site Assessor:

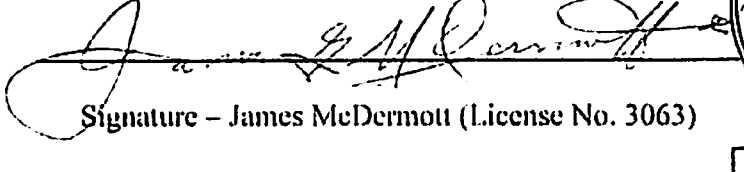
Signature – Nicholas Gerkin

STATEMENT OF THE LICENSED GEOLOGIST

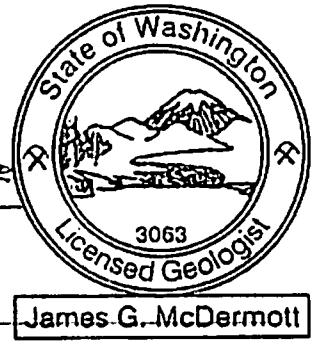
As stipulated in the Regulatory Code of the State of Washington Title 18, Chapter 18.220, the undersigned is a licensed Geologist in the State of Washington, and has met the statutory requirements of RCW § 18.220.060 for such licensing including, but not limited to, educational requirements, work and field experience, examination proficiency, and acceptance by the State Licensing Board.

The undersigned Licensed Geologist has supervised the geological work performed as described in attached Report – a majority of said work being performed by employees of the firm which employs undersigned Licensed Geologist – as delineated in RCW Title 18, Chapter 18.220, Paragraph 190.

Signature of Licensed Washington Geologist:



Signature – James McDermott (License No. 3063)



James G. McDermott

APPENDIX

- **Table & Figures**
- **Photographs**
- **Weight Tickets**
- **Project Contract Documents**
- **Laboratory Analytical Results**
- **Laboratory Chains of Custody**
- **Supplemental Documents**

● Table & Figures

TABLE 1
SOIL ANALYTICAL RESULTS
Fife RV Center
3410 Pacific Highway East
Fife, Washington

Aerotech Environmental Consulting, Inc. - Remedial Excavation - October 31, 2016

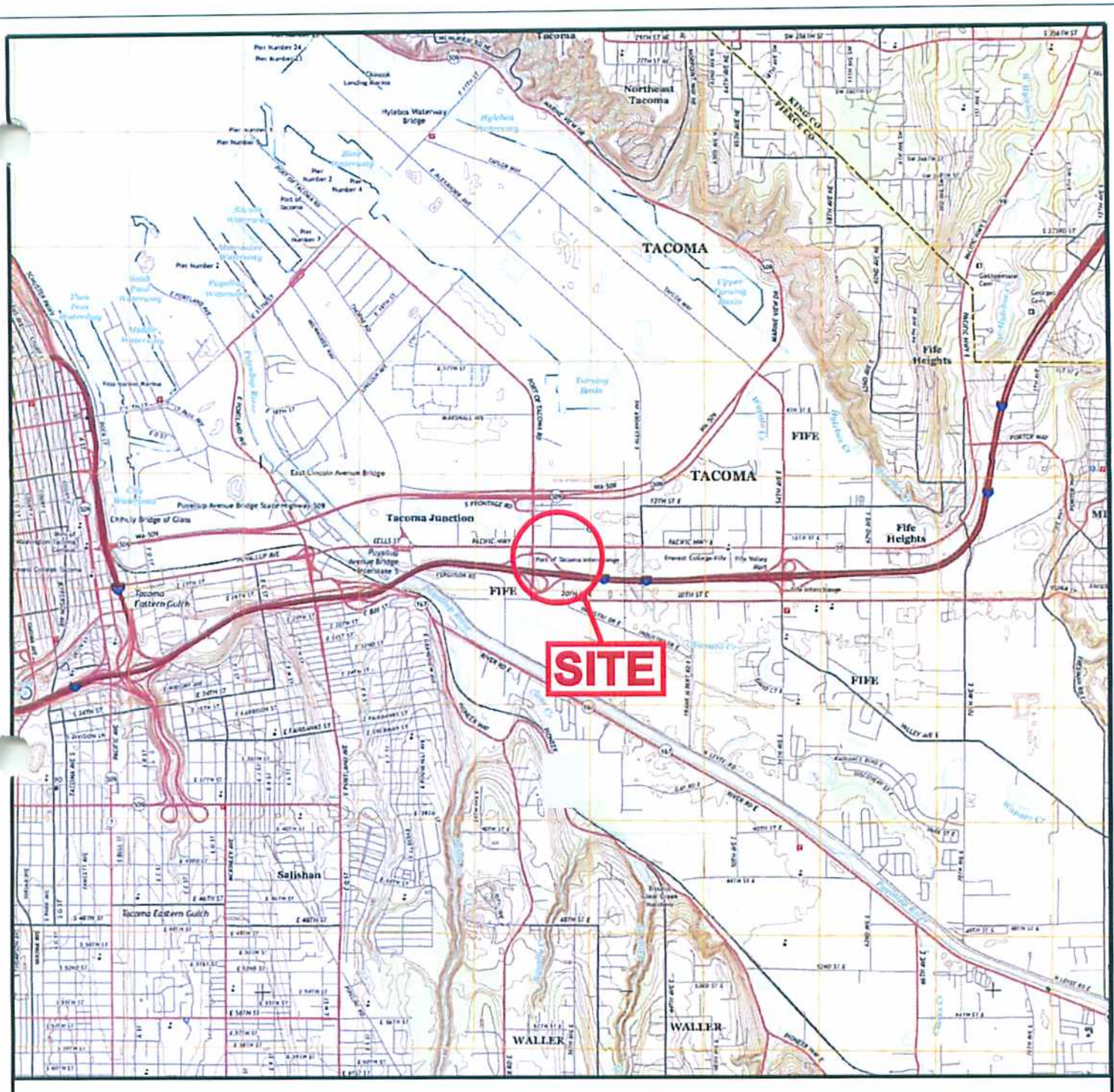
Sample ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
P1(10')	P1	10/03/16	10	9.0	<20	<50	0.096	<0.050	<0.050	<0.050	--
P2(5')	P2	10/03/16	5	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P3(10')	P3	10/03/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P4(5')	P4	10/03/16	5	8.5	<20	<50	<0.020	<0.050	0.10	<0.050	--
P5(5')	P5	10/03/16	5	**53**	<20	<50	**0.16**	0.071	0.84	0.15	7.8
P5(10')	P5	10/04/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P6(10')	P6	10/04/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P7(3')	P7	10/04/16	3	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P8(10')	P8	10/04/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	
P9(5')	P9	10/04/16	5	**110**	<20	<50	**0.15**	<0.050	5.1	<0.050	5.2
P9(10')	P9	10/04/16	10	23	<20	<50	<0.020	<0.050	0.34	<0.050	--
P10(10')	P10	10/04/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P11(10')	P11	10/04/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P12(5')	P12	10/05/16	5	**100**	<20	<50	**0.42**	0.18	1.7	0.54	--
P12(10')	P12	10/05/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P13(5')	P13	10/05/16	5	6.7	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P13(10')	P13	10/05/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P14(5')	P14	10/05/16	5	**60**	<20	<50	**0.15**	0.17	0.096	0.16	--
P14(10')	P14	10/05/16	10	<5.0	<20	<50	<0.020	<0.050	<0.050	<0.050	--
P15(10')	P15	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P16(5')	P16	10/06/16	5	**1,100**	<20	<50	**0.72**	0.072	**7.5**	**32**	7.0
P16(10')	P16	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P17(5')	P17	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P17(10')	P17	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P18(5')	P18	10/06/16	5	**130**	--	--	**0.29**	<0.050	1.5	2.4	--
P18(10')	P18	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P19(5')	P19	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P19(10')	P19	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP1(5')	TP1	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP2(5')	TP2	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP2(10')	TP2	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP3(3')	TP3	10/06/16	3	**2,500**	--	--	**0.34**	0.35	**15**	**10**	--
TP3(5')	TP3	10/06/16	5	**650**	--	--	**0.53**	5.3	**7.5**	**7.3**	--
TP3(10')	TP3	10/06/16	10	27	--	--	<0.020	<0.050	0.18	0.25	--
TP4(3')	TP4	10/06/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP4(5')	TP4	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP4(10')	TP4	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP5(5')	TP5	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP5(10')	TP5	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP6(5')	TP6	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP6(10')	TP6	10/06/16	10	12	--	--	**0.071**	<0.050	<0.050	<0.050	--
TP7(5')	TP7	10/06/16	5	**690**	<20	<50	**0.90**	1.9	**32**	0.33	--
TP8(3')	TP8	10/06/16	3	**60**	--	--	<0.020	<0.050	1.2	<0.050	--
TP8(5')	TP8	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP9(5')*	TP9	10/06/16	5	**6,090**	<20	<50	**4.0**	4.0	**66**	**130**	--
TP9(10')*	TP9	10/06/16	10	**240**	--	--	**0.59**	1.5	1.6	3.7	--
MTCA Method A Cleanup Levels				30	2,000	2,000	0.03	7	6	6	250

TABLE 1
SOIL ANALYTICAL RESULTS
Fife RV Center
3410 Pacific Highway East
Fife, Washington

Aerotech Environmental Consulting, Inc. - Remedial Excavation - DRAFT (continued)

Sample ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Lead
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP11(5')	TP11	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP12(5')	TP12	10/06/16	5	18	--	--	<0.020	<0.050	<0.050	0.082	--
TP13(5')	TP13	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP14(5')	TP14	10/06/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP14(10')	TP14	10/06/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP15(5')	TP15	10/07/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP15(10')	TP15	10/07/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP16(3')	TP16	10/07/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP16(5')	TP16	10/07/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP17(3')	TP17	10/07/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP17(5')	TP17	10/07/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP18(3')	TP18	10/07/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP19(3')	TP19	10/07/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
TP19(5')	TP19	10/07/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P20(5')	P20	10/20/16	5	**57**	--	--	**0.065**	0.101	0.15	0.16	--
P20(10')	P20	10/20/16	10	20	--	--	**0.24**	<0.050	0.09	0.084	--
P21(5')	P21	10/20/16	5	**1,200**	--	--	**0.65**	0.59	**8.1**	**24**	--
P21(10')	P21	10/20/16	10	**66**	--	--	**0.11**	0.14	0.34	0.74	--
P22(5')	P22	10/20/16	5	**1,100**	--	--	**0.83**	1.9	**20**	**7.9**	--
P22(10')	P22	10/20/16	10	**34**	--	--	0.029	<0.050	0.43	0.19	--
P22(12')	P22	10/20/16	12	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P23(5')	P23	10/20/16	5	**760**	--	--	**0.46**	0.74	4.8	2.4	--
P23(10')	P23	10/20/16	10	16	--	--	<0.020	<0.050	0.22	0.10	--
P24(5')	P24	10/20/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P24(10')	P24	10/20/16	10	**50**	--	--	**0.26**	<0.050	1.5	0.86	--
P25(5')	P25	10/21/16	5	**5,200**	--	--	**4.6**	**25**	**35**	**230**	--
P25(10')	P25	10/21/16	10	**350**	--	--	**0.16**	3.4	1.6	**16**	--
P26(10')	P26	10/21/16	10	12	--	--	<0.020	<0.050	<0.050	0.41	--
P27(5')	P27	10/21/16	5	**58**	--	--	<0.020	<0.050	0.095	0.39	--
P28(5')	P28	10/21/16	5	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P28(10')	P28	10/21/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P29(3')	P29	10/24/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P30(5')	P30	10/24/16	5	**200**	--	--	**0.086**	0.19	0.28	0.40	--
P30(10')	P30	10/24/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P31(10')	P31	10/24/16	10	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P32(3')	P32	10/24/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P33(3')	P33	10/24/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
P34(3')	P34	10/24/16	3	<5.0	--	--	<0.020	<0.050	<0.050	<0.050	--
MTCA Method A Cleanup Levels				30	2,000	2,000	0.03	7	6	6	250

MTCA = Model Toxic Control Act Cleanup Level (WAC173-340-900)
BGS = Below Ground Surface mg/kg = milligram of analyte per kilogram of soil
< = not detected at indicated Laboratory Detection Limits -- = not analyzed
Benzen , Toluene, Ethylbenzene, Xylenes by EPA Method 8021E
TPHg - Total Petroleum Hydrocarbons - Gasoline by NWTPH-Gx
TPHd - Total Petroleum Hydrocarbons - Diesel by NWTPH-Dx
TPHo - Total Petroleum Hydrocarbons - Motor Oil by NWTPH-Dx extended
Lead by EPA Method 7010
ND = Not Detected (minimum detection limit unknown)
Bolded numbers and red-shaded cells denote concentrations above the MTCA Method A Cleanup Levels for soil
* = Soil from which this sample originated was removed during the Remedial Excavation



AEROTECH ENVIRONMENTAL CONSULTING

USGS TOPOGRAPHIC MAP

Fife RV Center
3410 Pacific Highway East
Fife, Washington

Date: 10/30/16
By: Nick Gerkin
Figure: 1

EXPLANATION

Extents of Site Remedial Excavation Figures

Property Boundary

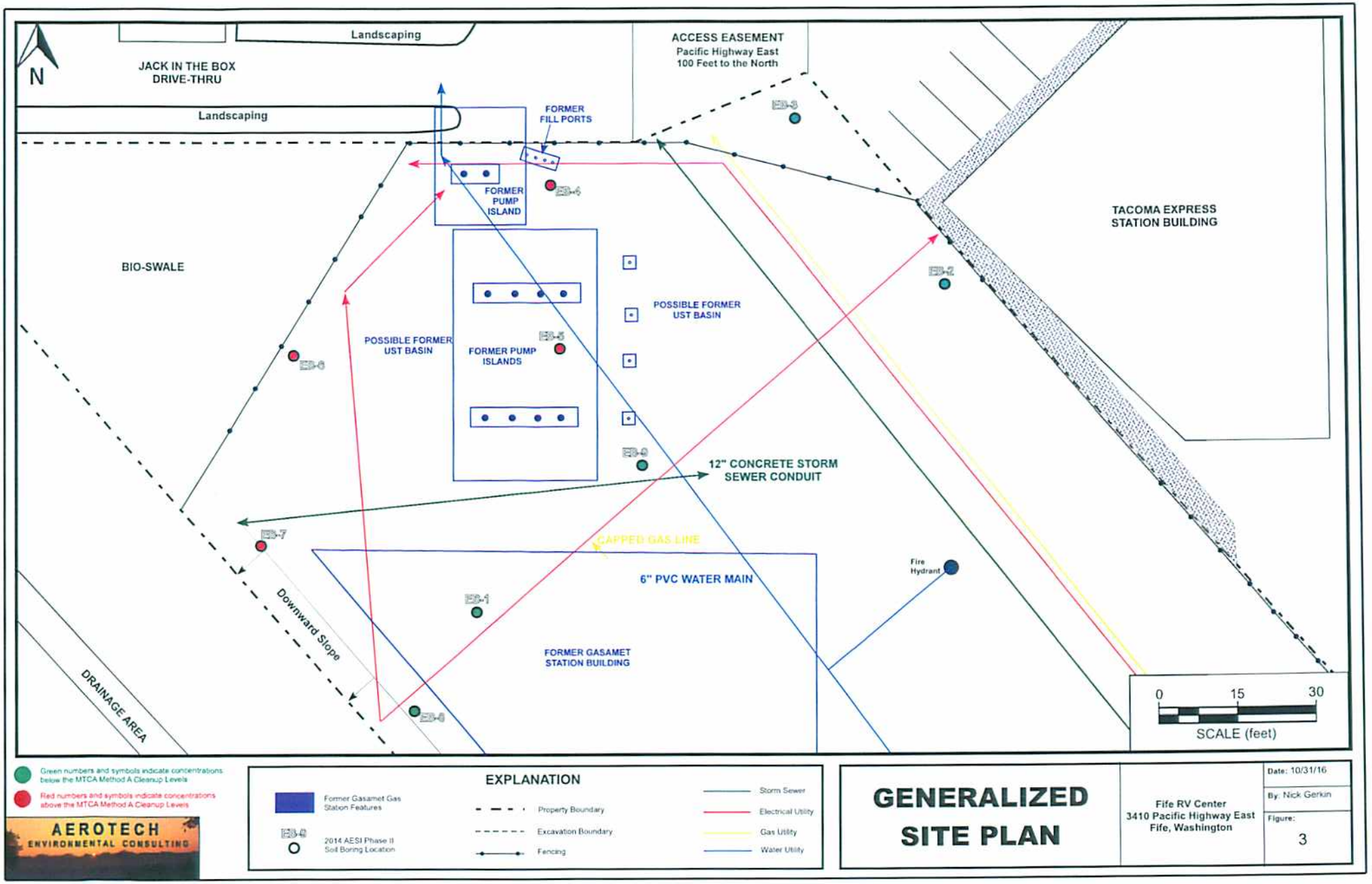
AEROTECH ENVIRONMENTAL CONSULTING

SITE VICINITY MAP

Fife RV Center
3410 Pacific Highway East
Fife, Washington

0 150 300
SCALE (feet)

Date: 10/30/16
By: Nick Gerkin
Figure: 2



Green numbers and symbols indicate concentrations below the MTCA Method A Cleanup Levels

Red numbers and symbols indicate concentrations above the MTCA Method A Cleanup Levels

AEROTECH
ENVIRONMENTAL CONSULTING

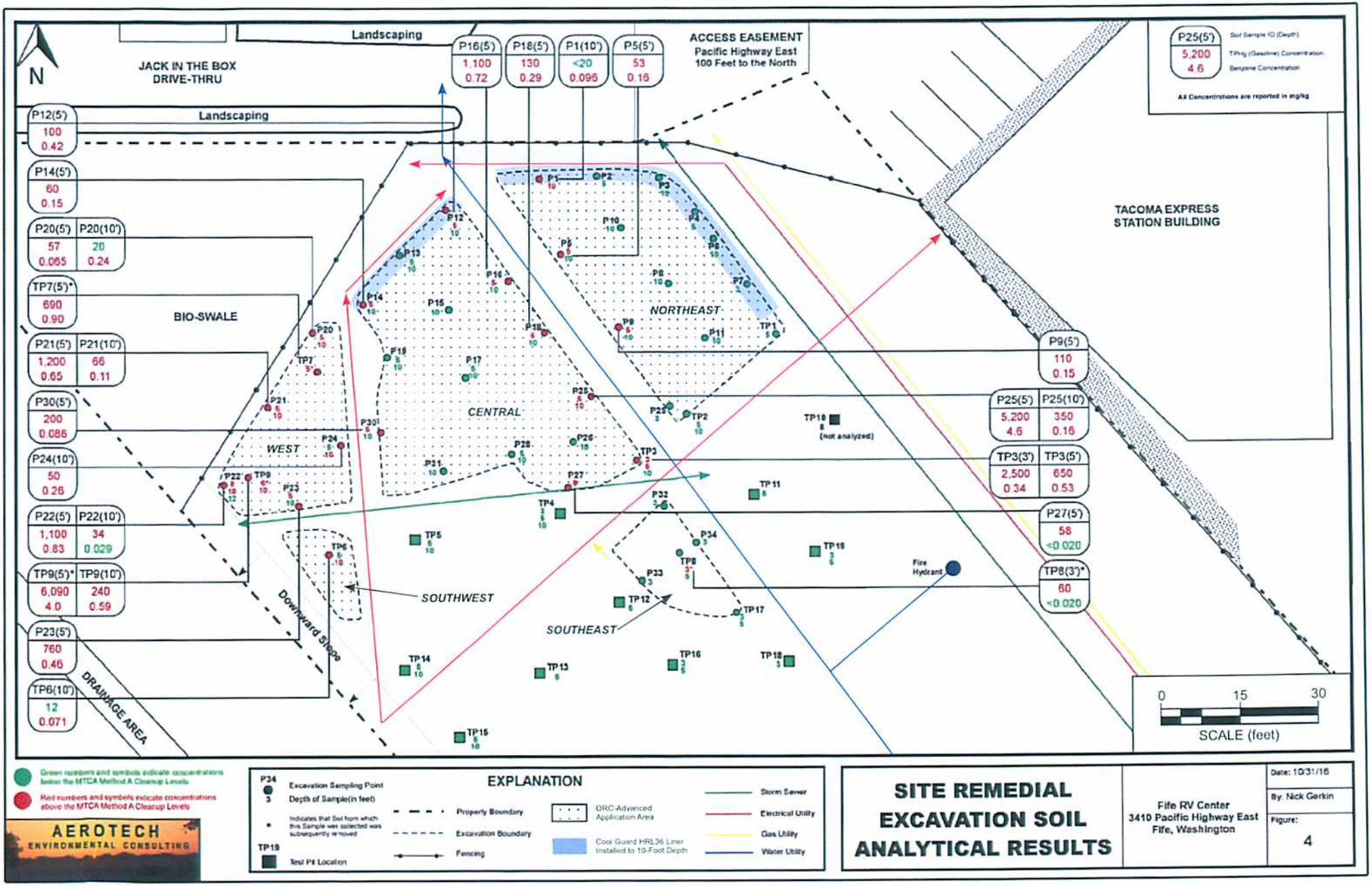
EXPLANATION

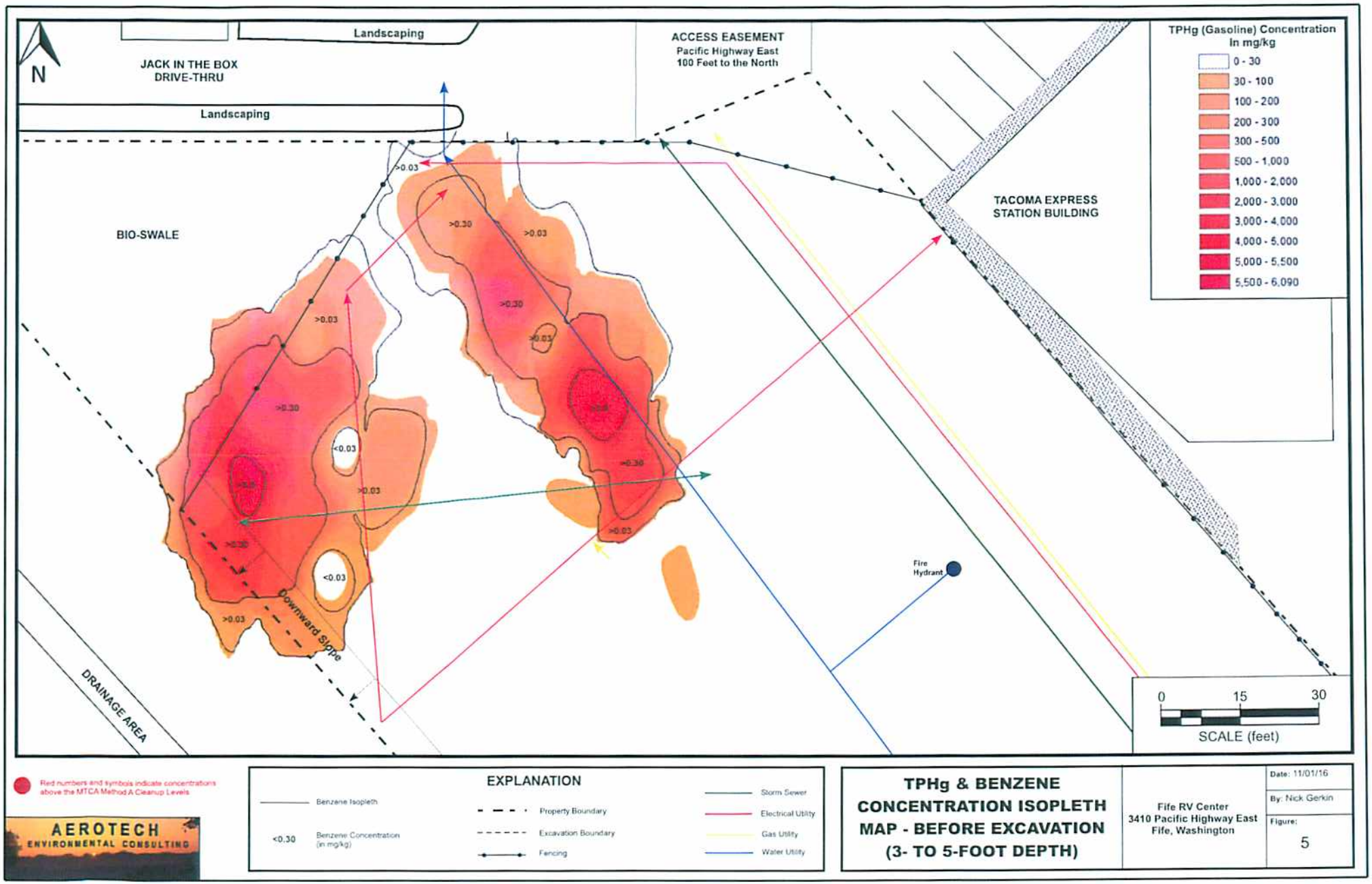
- Former Gasamet Gas Station Features
- EB-4 — 2014 AESI Phase II Soil Boring Location
- Property Boundary
- Excavation Boundary
- Fencing
- Storm Sewer
- Electrical Utility
- Gas Utility
- Water Utility

GENERALIZED SITE PLAN

Fife RV Center
3410 Pacific Highway East
Fife, Washington

Date: 10/31/16
By: Nick Gerkin
Figure: 3


N
JACK IN THE BOX
DRIVE-THRU
Landscaping
Landscaping
ACCESS EASEMENT
Pacific Highway East
100 Feet to the North
TACOMA EXPRESS
STATION BUILDING
BIO-SWALE
NORTHEAST
CENTRAL
WEST
SOUTHWEST
SOUTHEAST
Downward Slope
DRAINAGE AREA
Fire Hydrant
TP18 (not analyzed)
P16(5') 1,100 0.72
P18(5') 130 0.29
P1(10') <20 0.096
P5(5') 53 0.16
P12(5') 100 0.42
P14(5') 60 0.15
P20(5') 57 0.065
P20(10') 20 0.24
TP7(5')* 690 0.90
P21(5') 1,200 0.65
P21(10') 66 0.11
P30(5') 200 0.086
P24(10') 50 0.26
P22(5) 1,100 0.83
P22(10') 34 0.029
TP9(5')* 6,090 4.0
TP9(10') 240 0.59
P23(5') 760 0.46
TP6(10') 12 0.071
P9(5') 110 0.15
P25(5') 5,200 4.6
P25(10') 350 0.16
TP3(3') 2,500 0.34
TP3(5') 650 0.53
P27(5') 58 <0.020
TP8(3')* 60 <0.020
P25(5') 5,200 4.6
Soil Sample ID (Depth)
TPHg (Gasoline) Concentration
Benzene Concentration
All Concentrations are reported in mg/kg
0 15 30
SCALE (feet)
Green numbers and symbols indicate concentrations below the MTCA Method A Cleanup Levels
Red numbers and symbols indicate concentrations above the MTCA Method A Cleanup Levels
AEROTECH
ENVIRONMENTAL CONSULTING
EXPLANATION
Excavation Sampling Point
Depth of Sample(in feet)
Indicates that Soil from which this Sample was collected was subsequently removed
Test Pit Location
Property Boundary
Excavation Boundary
Fencing
ORC-Advanced Application Area
Cool Guard HRL36 Liner Installed to 10-Foot Depth
Storm Sewer
Electrical Utility
Gas Utility
Water Utility
SITE REMEDIAL EXCAVATION SOIL ANALYTICAL RESULTS
Fife RV Center
3410 Pacific Highway East
Fife, Washington
Date: 10/31/16
By: Nick Gerkin
Figure: 4



Red numbers and symbols indicate concentrations above the MTCA Method A Cleanup Levels

AEROTECH
ENVIRONMENTAL CONSULTING

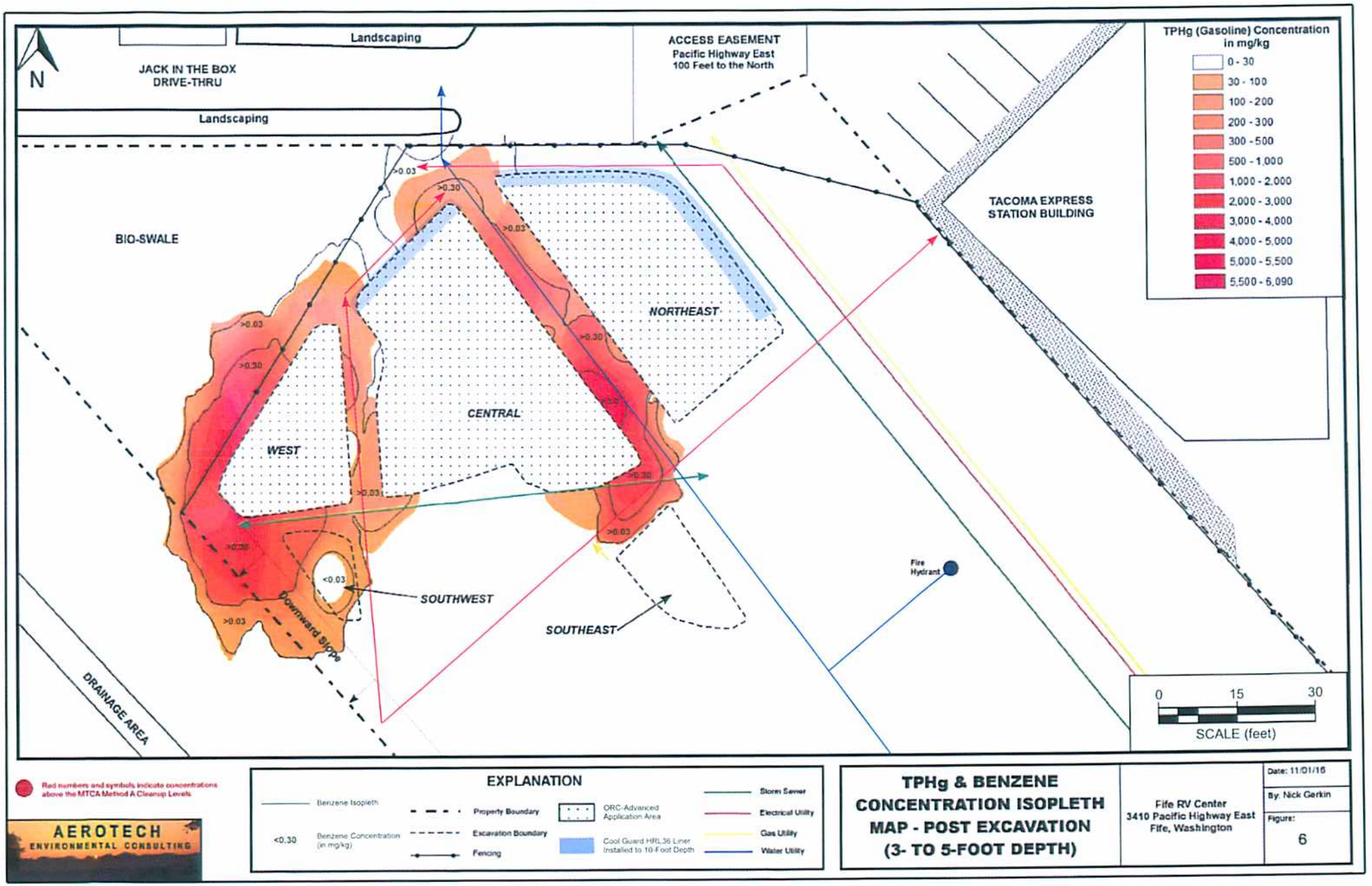
EXPLANATION

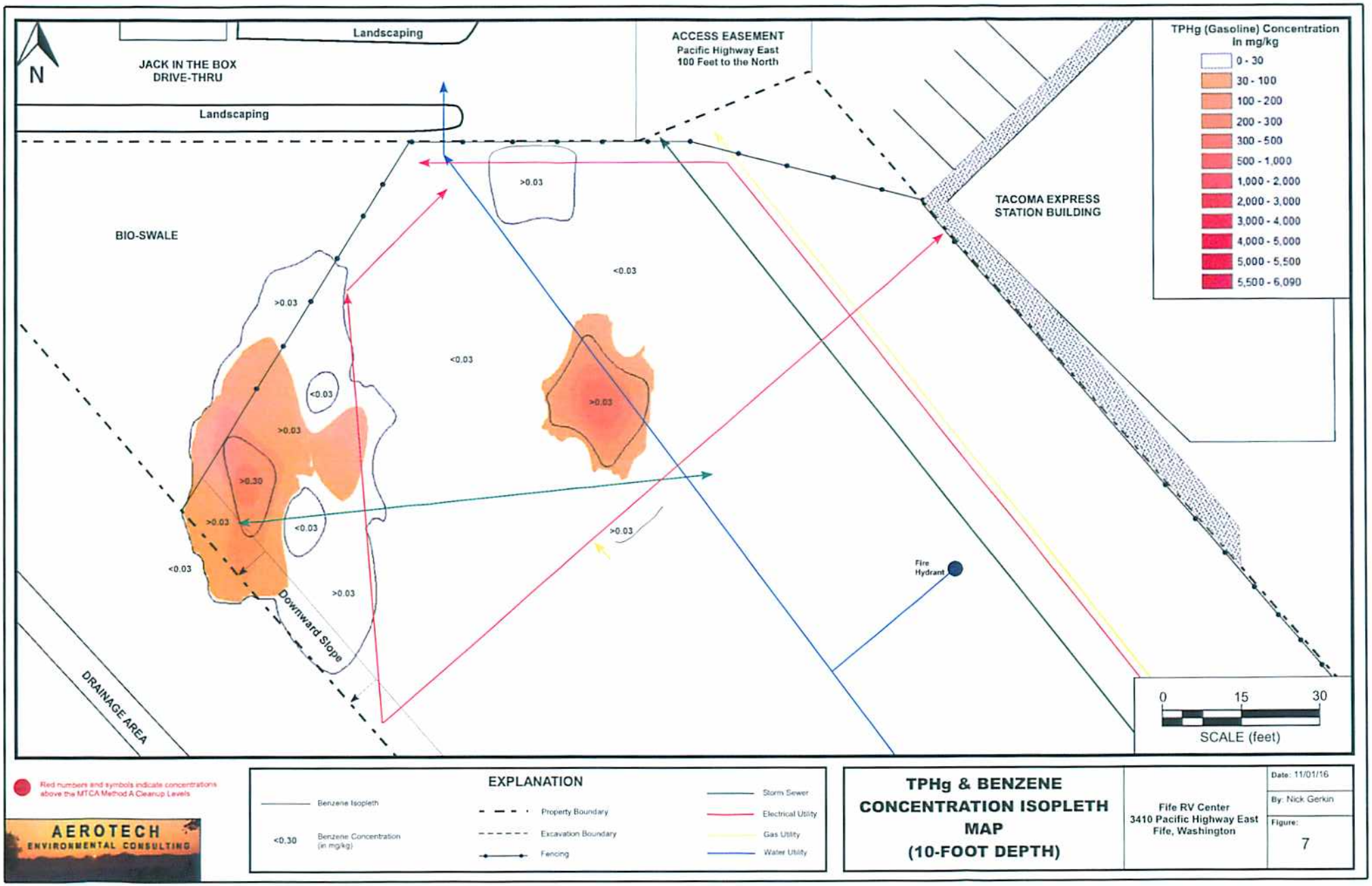
- Benzene Isopleth
- <0.30 Benzene Concentration (in mg/kg)
- Property Boundary
- Excavation Boundary
- Fencing
- Storm Sewer
- Electrical Utility
- Gas Utility
- Water Utility

TPHg & BENZENE CONCENTRATION ISOPLETH MAP - BEFORE EXCAVATION (3- TO 5-FOOT DEPTH)

Fife RV Center
3410 Pacific Highway East
Fife, Washington

Date: 11/01/16
By: Nick Gerkin
Figure: 5


N
Landscaping
JACK IN THE BOX
DRIVE-THRU
Landscaping
ACCESS EASEMENT
Pacific Highway East
100 Feet to the North
TACOMA EXPRESS
STATION BUILDING
BIO-SWALE
NORTHEAST
CENTRAL
WEST
SOUTHWEST
SOUTHEAST
Downward Slope
DRAINAGE AREA
Fire Hydrant
>0.03
>0.30
<0.03
TPHg (Gasoline) Concentration in mg/kg
0 - 30
30 - 100
100 - 200
200 - 300
300 - 500
500 - 1,000
1,000 - 2,000
2,000 - 3,000
3,000 - 4,000
4,000 - 5,000
5,000 - 5,500
5,500 - 6,090
0
15
30
SCALE (feet)
Red numbers and symbols indicate concentrations above the MTCA Method A Cleanup Levels
EXPLANATION
Benzene Isopleth
<0.30
Benzene Concentration (in mg/kg)
Property Boundary
Excavation Boundary
Fencing
ORC-Advanced Application Area
Cool Guard HRL36 Liner Installed to 10-Foot Depth
Storm Sewer
Electrical Utility
Gas Utility
Water Utility
AEROTECH
ENVIRONMENTAL CONSULTING
TPHg & BENZENE
CONCENTRATION ISOPLETH
MAP - POST EXCAVATION
(3- TO 5-FOOT DEPTH)
Fife RV Center
3410 Pacific Highway East
Fife, Washington
Date: 11/01/16
By: Nick Gerkin
Figure:
6


N
Landscaping
JACK IN THE BOX
DRIVE-THRU
Landscaping
ACCESS EASEMENT
Pacific Highway East
100 Feet to the North
TACOMA EXPRESS
STATION BUILDING
BIO-SWALE
TPHg (Gasoline) Concentration
In mg/kg
0 - 30
30 - 100
100 - 200
200 - 300
300 - 500
500 - 1,000
1,000 - 2,000
2,000 - 3,000
3,000 - 4,000
4,000 - 5,000
5,000 - 5,500
5,500 - 6,090
>0.03
<0.03
>0.03
<0.03
>0.03
>0.30
>0.03
<0.03
<0.03
>0.03
>0.03
Fire
Hydrant
Downward Slope
DRAINAGE AREA
0
15
30
SCALE (feet)
Red numbers and symbols indicate concentrations above the MTCA Method A Cleanup Levels
EXPLANATION
Benzene Isopleth
<0.30
Benzene Concentration (in mg/kg)
Property Boundary
Excavation Boundary
Fencing
Storm Sewer
Electrical Utility
Gas Utility
Water Utility
AEROTECH
ENVIRONMENTAL CONSULTING
TPHg & BENZENE
CONCENTRATION ISOPLETH
MAP
(10-FOOT DEPTH)
Fife RV Center
3410 Pacific Highway East
Fife, Washington
Date: 11/01/16
By: Nick Gerkin
Figure:
7

- Photographs

The Beginning of the Remedial Excavation with CoolGuard Liner Prepared for Installation

North Property Boundary - Three Feet of SAND fill atop Sandy SILT

Regenesis ORC (Oxygen Release Compound) Advanced Pellets (Facilitates the Breakdown of Petroleum

View of the Saturated, Wooded Bio-Swale from the West

View of the Northeast Remedial Excavation

Northeast Excavation with Installed Cool Guard Liner and ORC Pellets

Central Excavation

Central Excavation with Installed CoolGuard Liner and ORC Pellets

Pump Island Remnants Removed from Central Excavation

Test Pitting Activities (Between Phases of the Excavation)

Storm Water Accumulation - Sourced from Jack in the Box and Tahoma Express Properties

West Excavation (with Exposed Power Utility)

Deep West Excavation and Shallow Southwest Excavation (Foreground)

Shallow Southeast Excavation

Application of ORC Pellets in Southern Portion of Central Excavation

Southern Edge of Central Excavation (with Exposed 12" Storm Sewer Pipe)

Water Accumulation in Southwestern Excavation (Appears to Flow from 12" Storm Sewer Trench)

Additional ORC Application in Central Excavation

- Weight Tickets

PCRCD, LLC DBA LRI-304TH ST
17925 Meridian St E
Puyallup, WA 98375
(253) 847-7555

Printed 10/26/16

DATE	PAGE
10/26/16	1

INVOICE NUMBER

AMOUNT DUE	AMOUNT PAID

LANGSETH ENVIRO SVCS, INC.

7517 PORTLAND AVENUE E
TACOMA WA 98404

ACCOUNT NO.

DATE	TICKET	VEHICLE	REFERENCE	DESCRIPTION	QUANTITY	AMOUNT
10/03/16	03-00432649		H15	SPECIAL WASTE-IN CO	36.67	
10/03/16	03-00432653		H16	SPECIAL WASTE-IN CO	30.35	
10/03/16	03-00432658		H24	SPECIAL WASTE-IN CO	30.31	
10/03/16	03-00432731		H15	SPECIAL WASTE-IN CO	33.27	
10/03/16	03-00432740		H24	SPECIAL WASTE-IN CO	33.10	
10/03/16	03-00432746		H16	SPECIAL WASTE-IN CO	36.07	
10/03/16	03-00432790		H15	SPECIAL WASTE-IN CO	33.57	
10/04/16	03-00432840		21	SPECIAL WASTE-IN CO	27.27	
10/04/16	03-00432850		28	SPECIAL WASTE-IN CO	27.09	
10/04/16	03-00432851		16	SPECIAL WASTE-IN CO	29.44	
10/04/16	03-00432853		13	SPECIAL WASTE-IN CO	27.63	
10/04/16	03-00432894		21	SPECIAL WASTE-IN CO	30.46	
10/04/16	03-00432901		16	SPECIAL WASTE-IN CO	32.89	
10/04/16	03-00432906		28	SPECIAL WASTE-IN CO	28.07	
10/04/16	03-00432915		13	SPECIAL WASTE-IN CO	34.31	
10/04/16	03-00432953		21	SPECIAL WASTE-IN CO	27.72	
10/05/16	04-00034099		16	SPECIAL WASTE-IN CO	33.61	
10/05/16	03-00433090			SPECIAL WASTE-IN CO	33.61	
10/05/16	03-00433113		32	SPECIAL WASTE-IN CO	28.70	
10/05/16	03-00433120		1	SPECIAL WASTE-IN CO	28.50	
10/05/16	03-00433130		16	SPECIAL WASTE-IN CO	32.27	
10/05/16	03-00433136		13	SPECIAL WASTE-IN CO	29.35	
10/05/16	03-00433166		24	SPECIAL WASTE-IN CO	23.95	
10/05/16	03-00433176		32	SPECIAL WASTE-IN CO	27.25	
10/05/16	03-00433181		1	SPECIAL WASTE-IN CO	27.75	
10/05/16	03-00433192		16	SPECIAL WASTE-IN CO	32.42	
10/06/16	03-00433209		HLW13	SPECIAL WASTE-IN CO	29.27	
10/06/16	03-00433216		HLW23 TIM	SPECIAL WASTE-IN CO	27.69	

PCRCD, LLC DBA LRI-304TH ST
17925 Meridian St E
Puyallup, WA 98375
(253) 847-7555

Printed 10/26/16

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INVOICE NUMBER	

AMOUNT DUE	AMOUNT PAID

LANGSETH ENVIRO SVCS, INC.

7517 PORTLAND AVENUE E
TACOMA WA 98404

ACCOUNT NO.

DATE	TICKET	VEHICLE	REFERENCE	DESCRIPTION	QUANTITY	AMOUNT
10/06/16	03-00433242		HLW 14	SPECIAL WASTE-IN CO	24.67	
10/06/16	03-00433245		HLW 18	SPECIAL WASTE-IN CO	23.75	
10/06/16	03-00433249		HLW 28	SPECIAL WASTE-IN CO	26.85	927.86
10/07/16	03-00433529			Payment	1.00	
10/20/16	03-00435084		H18	SPECIAL WASTE-IN CO	30.08	
10/20/16	03-00435089		H24	SPECIAL WASTE-IN CO	33.36	
10/20/16	03-00435093		H16	SPECIAL WASTE-IN CO	31.55	
)/20/16	03-00435094		H14	SPECIAL WASTE-IN CO	27.11	
10/20/16	03-00435128		H18	SPECIAL WASTE-IN CO	23.95	
10/20/16	03-00435139		H24	SPECIAL WASTE-IN CO	27.83	
10/20/16	03-00435143		H16	SPECIAL WASTE-IN CO	30.17	
10/20/16	03-00435156		H14	SPECIAL WASTE-IN CO	24.66	
10/20/16	03-00435174		H18	SPECIAL WASTE-IN CO	26.80	
10/20/16	03-00435187		H24	SPECIAL WASTE-IN CO	29.43	
10/21/16	03-00435249		GAEL	SPECIAL WASTE-IN CO	29.79	
10/21/16	03-00435258		22	SPECIAL WASTE-IN CO	32.83	
10/21/16	03-00435266		21	SPECIAL WASTE-IN CO	24.83	
10/21/16	03-00435270		24	SPECIAL WASTE-IN CO	29.16	
10/21/16	03-00435301		GAEL	SPECIAL WASTE-IN CO	25.64	
10/21/16	03-00435310		22	SPECIAL WASTE-IN CO	28.68	
10/21/16	03-00435320		21	SPECIAL WASTE-IN CO	30.21	
10/21/16	03-00435327			SPECIAL WASTE-IN CO	27.99	
10/24/16	03-00435517		H22	SPECIAL WASTE-IN CO	29.03	
10/24/16	03-00435523		H28	SPECIAL WASTE-IN CO	21.79	
10/24/16	03-00435526		H16	SPECIAL WASTE-IN CO	30.78	
10/24/16	03-00435529		H14	SPECIAL WASTE-IN CO	25.40	
10/24/16	03-00435576		H16	SPECIAL WASTE-IN CO	33.95	
10/24/16	03-00435584		H28	SPECIAL WASTE-IN CO	26.85	
10/24/16	03-00435589		H14	SPECIAL WASTE-IN CO	22.74	
10/24/16	03-00435624		H16	SPECIAL WASTE-IN CO	32.60	

PCRCD, LLC DBA LRI-304TH ST
17925 Meridian St E
Puyallup, WA 98375
(253) 847-7555

Printed 10/26/16

DATE	PAGE
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INVOICE NUMBER

AMOUNT DUE	AMOUNT PAID

LANGSETH ENVIRO SVCS, INC.

7517 PORTLAND AVENUE E
TACOMA WA 98404

ACCOUNT NO.

DATE	TICKET	VEHICLE	REFERENCE	DESCRIPTION	QUANTITY	AMOUNT
10/24/16	03-00435636		H28	SPECIAL WASTE-IN CO	20.17	757.38
	Net weight	1685.24				

PHASE 1 / PCS

927.86 TONS

PCRCD, LLC dba LRI-304th
17925 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432653		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/03/16	10/03/16	09:54	10:10		

REFERENCE	ORIGIN
H16	OTHER

Scale 1 Gross Wt. 102100 LB
Scale 2 Tare Wt. 41400 LB
Net Weight 60700 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.35	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 16

NET AMOUNT
TENDERED
CHECK NO.

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432740		Jo I

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/03/16	10/03/16	13:20	13:33		

REFERENCE	ORIGIN
H24	OTHER

Scale 1 Gross Wt. 107520 LB
Scale 2 Tare Wt. 41320 LB
Net Weight 66200 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.10	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 24

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432658		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/03/16	10/03/16	10:08	10:24		

REFERENCE	ORIGIN
H24	OTHER

Scale 1 Gross Wt. 102100 LB
Scale 2 Tare Wt. 41480 LB
Net Weight 60620 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.31	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
h Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 24

NET AMOUNT
TENDERED
CHECK NO.

202.TS TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432746		Jo I

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/03/16	10/03/16	13:41	13:53		

REFERENCE	ORIGIN
H16	OTHER

Scale 1 Gross Wt. 113440 LB
Scale 2 Tare Wt. 41300 LB
Net Weight 72140 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
36.07	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT

TENDERED

CHECK NO.

PO # WDA 2050
NOTES HARLOW 16

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

** Duplicate Ticket **

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375
(253) 847-7555

1079
LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA, WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	432790		JOI

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/03/16	10/03/16	15:15	15:30		

REFERENCE	ORIGIN
H15	OTHER

Scale Gross Wt. 108380
Scale Tare Wt. 41240
Net Weight 67140

Charge Ticket

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.57		SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

CHARGE

TENDER

CHANGE

CHECK #

PO # WDA 2050
NOTES HARLOW 15

SIGNATURE: _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
ıllup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432649		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/03/16	10/03/16	09:40	09:58		

REFERENCE	ORIGIN
H15	OTHER

Scale 1 Gross Wt. 114800 LB
Scale 2 Tare Wt. 41460 LB
Net Weight 73340 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
36.67	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 15

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

'CRCD, LLC dba LRI-304th
7925 Meridian St E
'uyallup, WA 98375

'01079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432731		Jo I

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/03/16	10/03/16	12:58	13:10		

REFERENCE	ORIGIN
H15	OTHER

Scale 1 Gross Wt. 107880 LB
Scale 2 Tare Wt. 41340 LB
Net Weight 66540 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.27	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
h Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 15

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Lillup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432915		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	12:13	12:40		

REFERENCE	ORIGIN
13	OTHER

Scale 1 Gross Wt. 110200 LB
Scale 2 Tare Wt. 41580 LB
Net Weight 68620 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
34.31	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 13

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432853		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	09:37	10:00		

REFERENCE	ORIGIN
13	OTHER

Scale 1 Gross Wt. 96920 LB
Scale 2 Tare Wt. 41660 LB
Net Weight 55260 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.63	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 13

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432953		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	13:41	14:01		

REFERENCE	ORIGIN
21	OTHER

Scale 1 Gross Wt. 97220 LB
Scale 2 Tare Wt. 41780 LB
Net Weight 55440 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.72	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 21

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Lillup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432850		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	09:23	09:52		

REFERENCE	ORIGIN
28	OTHER

Scale 1 Gross Wt. 98160 LB
Scale 2 Tare Wt. 41980 LB
Net Weight 54180 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.09	TON	SPECIAL WASTE-IN CO				

NET AMOUNT

TENDERED

CHECK NO.

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 28

SIGNATURE _____

:RCD, LLC dba LRI-304th
925 Meridian St E
ıyallup, WA 98375

)1079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432906		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	11:43	11:58		

REFERENCE	ORIGIN
28	OTHER

Scale 1 Gross Wt. 97980 LB
Scale 2 Tare Wt. 41840 LB
Net Weight 56140 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.07	TON	SPECIAL WASTE-IN CO				

NET AMOUNT

TENDERED

CHECK NO.

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 28

PCRCD, LLC dba LRI-304th
17925 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432851		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	09:25	09:37		

REFERENCE	ORIGIN
16	OTHER

Scale 1 Gross Wt. 100500 LB
Scale 2 Tare Wt. 41620 LB
Net Weight 58880 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.44	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 16

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432901		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	11:29	11:37		

REFERENCE	ORIGIN
16	OTHER

Scale 1 Gross Wt. 107440 LB
Scale 2 Tare Wt. 41660 LB
Net Weight 65780 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
32.89	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
h Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 16

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432840		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	08:46	09:11		

REFERENCE	ORIGIN
21	OTHER

Scale 1 Gross Wt. 96460 LB
Scale 2 Tare Wt. 41920 LB
Net Weight 54540 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.27	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 21

TO REORDER CONTACT NORTH STAR FORMS (877) 459-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00432894		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/04/16	10/04/16	11:11	11:34		

REFERENCE	ORIGIN
21	OTHER

Scale 1 Gross Wt. 102720 LB
Scale 2 Tare Wt. 41800 LB
Net Weight 60920 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.46	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 21

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433176		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	14:26	14:42		

REFERENCE	ORIGIN
32	OTHER

Scale 1 Gross Wt. 96300 LB
Scale 2 Tare Wt. 41800 LB
Net Weight 54500 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.25	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 32

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433192		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	15:33	15:43		

REFERENCE	ORIGIN
16	OTHER

Scale 1 Gross Wt. 106680 LB
Scale 2 Tare Wt. 41840 LB
Net Weight 64840 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
32.42	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 16

302.TS TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
llup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433181		Dana

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	14:47	15:06		

REFERENCE	ORIGIN
1	OTHER

Scale 1 Gross Wt. 97620 LB
Scale 2 Tare Wt. 42120 LB
Net Weight 55500 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.75	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 1 (1)

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

RCD, LLC dba LRI-304th
25 Meridian St E
allup, WA 98375

079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433166		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	14:13	14:25		

REFERENCE	ORIGIN
24	OTHER

Scale 1 Gross Wt. 89780 LB
Scale 2 Tare Wt. 41880 LB
Net Weight 47900 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
23.95	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 24

NET AMOUNT
TENDERED
CHECK NO.

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433130		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	12:42	12:51		

REFERENCE	ORIGIN
16	OTHER

Scale 1 Gross Wt. 106280 LB
Scale 2 Tare Wt. 41740 LB
Net Weight 64540 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
32.27	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 16

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492 SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433136		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	12:58	13:17		

REFERENCE	ORIGIN
13	OTHER

Scale 1 Gross Wt. 100560 LB
Scale 2 Tare Wt. 41860 LB
Net Weight 58700 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.35	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 13

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492 SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433090		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	11:10	11:20		

REFERENCE	ORIGIN
	OTHER

Scale 1 Gross Wt.	108780	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	41560	LB	
Net Weight	67220	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.61	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 24

TO REORDER CONTACT NORTH STAR FORMS (877) 469-0492 SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433120		Dana

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	12:17	12:33		

REFERENCE	ORIGIN
1	OTHER

Scale 1 Gross Wt.	99240	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	42240	LB	
Net Weight	57000	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.50	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

PO # WDA 2050
NOTES HARLOW 1

202 TS TO REORDER CONTACT NORTH STAR FORMS (877) 469-0492 SIGNATURE _____

PCRCD, LLC dba LR 304th
17925 Meridian St E
Puyallup, WA 98375

002171 TRUCK INSURANCE EXCHANGE
31051 AGOURA RD
WESTLAKE VILLAGE CA 91361

SITE	TICKET	GRID	WEIGHMASTER
03	00433042		Dee Dee

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	09:14	09:24		

REFERENCE	ORIGIN
16	OTHER

Scale 1 Gross Wt. 109120 LB
Scale 2 Tare Wt. 41900 LB
Net Weight 67220 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.61	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 16

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433113		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/05/16	10/05/16	12:04	12:19		

REFERENCE	ORIGIN
32	OTHER

Scale 1 Gross Wt. 99300 LB
Scale 2 Tare Wt. 41900 LB
Net Weight 57400 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.70	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 32

202 TS TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433249		Rebecca

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/06/16	10/06/16	09:20	09:40		

REFERENCE	ORIGIN
HLW 28	OTHER

Scale 1 Gross Wt. 95700 LB
Scale 2 Tare Wt. 42000 LB
Net Weight 53700 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.85	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 28

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433242		Rebecca

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/06/16	10/06/16	09:02	09:11		

REFERENCE	ORIGIN
HLW 14	OTHER

Scale 1 Gross Wt. 92640 LB
Scale 2 Tare Wt. 43300 LB
Net Weight 49340 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.67	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 14

NET AMOUNT
TENDERED
CHECK NO.

202.TS TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433245		Rebecca

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/06/16	10/06/16	09:10	09:24		

REFERENCE	ORIGIN
HLW 18	OTHER

Scale 1 Gross Wt.	88400	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	40900	LB	
Net Weight	47500	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
23.75	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 18

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492 SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433216		Rebecca

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/06/16	10/06/16	08:13	08:29		

REFERENCE	ORIGIN
HLW23 TIM	OTHER

Scale 1 Gross Wt.	96220	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	40840	LB	
Net Weight	55380	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.69	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 23

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492 SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Gallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00433209		Rebecca

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/06/16	10/06/16	08:07	08:20		

REFERENCE	ORIGIN
HLW13	OTHER

Scale 1 Gross Wt.	100600	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	42060	LB	
Net Weight	58540	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.27	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 13

SIGNATURE _____

PHASE 2 / PCS

757.38 TONS

PCRCD, LLC dba LRI-304th
17925 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435084		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	09:09	09:24		

REFERENCE	ORIGIN
H18	OTHER

Scale 1 Gross Wt. 101280 LB
Scale 2 Tare Wt. 41120 LB
Net Weight 60160 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.08	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 18

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435089		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	09:30	09:43		

REFERENCE	ORIGIN
H24	OTHER

Scale 1 Gross Wt. 108520 LB
Scale 2 Tare Wt. 41800 LB
Net Weight 66720 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.36	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
1th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 24

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435093		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	09:49	10:08		

REFERENCE	ORIGIN
H16	OTHER

Scale 1 Gross Wt. 107700 LB
Scale 2 Tare Wt. 44600 LB
Net Weight 63100 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
31.55	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 16

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 459-0492 SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435094		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	10:08	10:09		

REFERENCE	ORIGIN
H14	OTHER

Scale 1 Gross Wt. 96960 LB
Scale 2 Tare Wt. 42740 LB
Net Weight 54220 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.11	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 14

NET AMOUNT
TENDERED
CHECK NO.

02.TS TO REORDER CONTACT NORTH STAR FORMS (877) 459-0492 SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435128		Jo I

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	11:25	11:36		

REFERENCE	ORIGIN
H18	OTHER

Scale 1 Gross Wt. 90560 LB
Scale 2 Tare Wt. 42660 LB
Net Weight 47900 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
23.95	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 18

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492 SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435139		Jo I

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	11:54	12:07		

REFERENCE	ORIGIN
H24	OTHER

Scale 1 Gross Wt. 97540 LB
Scale 2 Tare Wt. 41880 LB
Net Weight 55660 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.83	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 24

NET AMOUNT
TENDERED
CHECK NO.

02.TS TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492 SIGNATURE _____

** Duplicate Ticket **

PCRCD, LLC dba LRI-304th
7925 Meridian St E
Puyallup, WA 98375
(253) 847-7555

1079
LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA, WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	435156		JOI

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	12:50	12:59		

REFERENCE	ORIGIN
H14	OTHER

Scale Gross Wt. 92000
Scale Tare Wt. 42680
Net Weight 49320

Charge Ticket

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.66		SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 14

SIGNATURE:_____

CHARGE
TENDER
CHANGE
CHECK #

** Duplicate Ticket **

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375
(253) 847-7555

1079
LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA, WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	435187		JOI

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	14:09	14:31		

REFERENCE	ORIGIN
H24	OTHER

Scale Gross Wt. 100380
Scale Tare Wt. 41520
Net Weight 58860

Charge Ticket

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.43		SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 24

CHARGE
TENDER
CHANGE
CHECK #

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435143		Jo I

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	12:21	12:32		

REFERENCE	ORIGIN
H16	OTHER

Scale 1 Gross Wt. 105600 LB
Scale 2 Tare Wt. 45260 LB
Net Weight 60340 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.17	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 16

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435174		Jo I

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/20/16	10/20/16	13:38	13:53		

REFERENCE	ORIGIN
H18	OTHER

Scale 1 Gross Wt. 94760 LB
Scale 2 Tare Wt. 41160 LB
Net Weight 53600 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.80	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 18

NET AMOUNT
TENDERED
CHECK NO.

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435249		Dana ✓

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	09:04	09:13		

REFERENCE	ORIGIN
GAEL	OTHER

Scale 1 Gross Wt.	100620	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	41040	LB	
Net Weight	59580	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.79	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492 SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435301		Dana ✓

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	11:06	11:15		

REFERENCE	ORIGIN
GAEL	OTHER

Scale 1 Gross Wt.	92180	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	40900	LB	
Net Weight	51280	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
25.64	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050
NOTES HARLOW 107

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435310		Dana ✓

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	11:32	11:43		

REFERENCE	ORIGIN
22	OTHER

Scale 1 Gross Wt. 97540 LB
Scale 2 Tare Wt. 40180 LB
Net Weight 57360 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.68	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 22

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435258		Dana ✓

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	09:26	09:40		

REFERENCE	ORIGIN
22	OTHER

Scale 1 Gross Wt. 105920 LB
Scale 2 Tare Wt. 40260 LB
Net Weight 65660 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
32.83	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 22

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435266		Dana ✓

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	09:45	10:06		

REFERENCE	ORIGIN
21	OTHER

Scale 1 Gross Wt. 91600 LB
Scale 2 Tare Wt. 41940 LB
Net Weight 49660 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.83	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 21

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435320		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	12:05	12:33		

REFERENCE	ORIGIN
21	OTHER

Scale 1 Gross Wt. 102220 LB
Scale 2 Tare Wt. 41800 LB
Net Weight 60420 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.21	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 21

NET AMOUNT
TENDERED
CHECK NO.

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435270		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	10:00	10:13		

REFERENCE	ORIGIN
24	OTHER

Scale 1 Gross Wt. 99900 LB
Scale 2 Tare Wt. 41580 LB
Net Weight 58320 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.16	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 24

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 469-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435327		Dana

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/21/16	10/21/16	12:28	12:36		

REFERENCE	ORIGIN
	OTHER

Scale 1 Gross Wt. 97500 LB
Scale 2 Tare Wt. 41520 LB
Net Weight 55980 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
27.99	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050
NOTES HARLOW 20

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 469-0492

SIGNATURE

PCRCD, LLC dba LRI-304th
17025 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435526		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	09:19	09:31		

REFERENCE	ORIGIN
H16	OTHER

Scale 1 Gross Wt.	105380	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	43820	LB	
Net Weight	61560	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.78	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050A
NOTES HARLOW 16

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435523		Jo l

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	09:06	09:34		

REFERENCE	ORIGIN
H28	OTHER

Scale 1 Gross Wt. 85420 LB
Scale 2 Tare Wt. 41840 LB
Net Weight 43580 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.79	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

PO # WDA 2050A
NOTES HARLOW 28

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435584		Jo l

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	11:39	12:03		

REFERENCE	ORIGIN
H28	OTHER

Scale 1 Gross Wt. 95440 LB
Scale 2 Tare Wt. 41740 LB
Net Weight 53700 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.85	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

PO # WDA 2050A
NOTES HARLOW 28

PCRCD, LLC dba LRI-304th
17925 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435624		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	13:40	13:52		

REFERENCE	ORIGIN
H16	OTHER

Scale 1 Gross Wt. 108800 LB
Scale 2 Tare Wt. 43600 LB
Net Weight 65200 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
32.60	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050A
NOTES HARLW 16

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435576		Jo l ✓

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	11:21	11:34		

REFERENCE	ORIGIN
H16	OTHER

Scale 1 Gross Wt. 111660 LB
Scale 2 Tare Wt. 43760 LB
Net Weight 67900 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.95	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
th Landfill-30919 Meridian/SR 161, Graham, WA

NET AMOUNT
TENDERED
CHECK NO.

PO # WDA 2050A
NOTES HARLOW 16

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435529		Jo l ✓

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	09:27	09:35		

REFERENCE	ORIGIN
H14	OTHER

Scale 1 Gross Wt. 93820 LB
Scale 2 Tare Wt. 43020 LB
Net Weight 50800 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
25.40	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 14

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435589		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	11:48	11:58		

REFERENCE	ORIGIN
H14	OTHER

Scale 1 Gross Wt. 88220 LB
Scale 2 Tare Wt. 42740 LB
Net Weight 45480 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.74	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 14

NET AMOUNT
TENDERED
CHECK NO.

202 T8 TO REORDER CONTACT NORTH STAR FORMS (877) 499-0492

SIGNATURE

PCRCD, LLC dba LRI-304th
17925 Meridian St E
allup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435517		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	08:48	09:06		

REFERENCE	ORIGIN
H22	OTHER

Scale 1 Gross Wt. 98440 LB
Scale 2 Tare Wt. 40380 LB
Net Weight 58060 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
29.03	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
304th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 22

NET AMOUNT
TENDERED
CHECK NO.

TO REORDER CONTACT NORTH STAR FORMS (877) 499-0402

SIGNATURE _____

PCRCD, LLC dba LRI-304th
17925 Meridian St E
Puyallup, WA 98375

001079 LANGSETH ENVIRO SVCS, INC.
7517 PORTLAND AVENUE E
TACOMA WA 98404

SITE	TICKET	GRID	WEIGHMASTER
03	00435636		Jo l

DATE IN	DATE OUT		TIME OUT	VEHICLE	ROLL OFF
10/24/16	10/24/16	13:55	14:17		

REFERENCE	ORIGIN
H28	OTHER

Scale 1 Gross Wt. 81980 LB
Scale 2 Tare Wt. 41620 LB
Net Weight 40340 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.17	TON	SPECIAL WASTE-IN CO				

Operating hours 8AM to 4PM M-F & 8AM to Noon on Sat.
th Landfill-30919 Meridian/SR 161, Graham, WA

PO # WDA 2050A
NOTES HARLOW 28

NET AMOUNT
TENDERED
CHECK NO.

SIGNATURE

- Project Contract Documents

ENVIRONMENTAL CONTRACTOR'S CERTIFICATION

Fife RV Center
3910 Pacific Highway East
Fife, Washington 98424

1. Contractor's Name: Aerotech Environmental Consulting, Inc.

2. Contractor's Address: 13925 Interurban Avenue South, Ste. 210, Seattle, Washington 98168

3. Name and title of person completing this certification: Alan T. Blotch / President

4. Answer the following questions about each employee that contractor will have perform the assessment or prepare the report showing the results of the inspection:

   a. Name and Title of Employee: Alan T. Blotch – Environmental Professional

   b. Length of experience doing environmental assessments: 31 years

   c. Education degrees received: Masters of Business Administration
   Juris Doctor – Environmental Law

   d. Relevant training received: ASTM E50 Environmental Assessment Committee Meetings

5. Identify any certifications and approvals issued to contractor pursuant to an official Federal, State of local program or policy to conduct environmental assessments: Registered Environmental Assessor
   Issued by State of California

6. Describe the generally recognized standards which the contractor will use to perform the assessment.
   Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process (ASTM E 1903)

7. Disclose the nature of any previous environmental inspections contractor has ever performed for the Owner of the property: Phase I Environmental Site Assessment

8. Disclose the nature of any affiliation or association contractor now has, or ever had, with the above referenced seller of the property, of the above referenced buyer of the property: N/A

9. Describe the liability insurance carried by contractor to cover claims in the event that ir fails to discover adverse environmental conditions during an environmental inspection.
   Professional Errors & Omissions Coverage $1,000,000 / claim and $1,000,000 aggregate liability

THE UNDERSIGNED HEREBY CERTIFIES, UNDER PENALTY OF THE CRIMINAL AND/OR CIVIL PENALTIES IN 18 U.S.C. § 1001 FOR FALSE STATEMENTS TO THE UNITED STATES GOVERNMENT, THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

Signature

11-1-16
Date

- Laboratory Analytical Results

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 10, 2016

Nick Gerkin
Aerotech Environmental, Inc.
13925 Interurban Avenue South, Suite 210
Seattle, WA 98168

Dear Mr. Gerkin:

Please find enclosed the analytical data report for the *Fife RV (C61004-1)* Project.

Samples were received on *October 04, 2016.* The results of the analyses are presented in the attached tables. Applicable reporting limits, QA/QC data and data qualifiers are included. A copy of the chain-of-custody and an invoice for the work is also enclosed.

ADVANCED ANALYTICAL LABORATORY appreciates the opportunity to provide analytical services for this project. Should there be any questions regarding this report, please contact me at (425) 702-8571.

It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

V. Ivanov

Val G. Ivanov, Ph.D.
Laboratory Manager

4078 148 Ave NE■ Redmond, WA 98052
425.702-8571
E-mail: aachemlab@yahoo.com

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number:	C61004-1
Client:	Aerotech Environmental
Project Manager:	Nick Gerkin
Client Project Name:	Fife RV
Client Project Number:	na
Date received:	10/04/16

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

8260B, µg/kg		MTH BLK	LCS	P5(5')	P9(5')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Date analyzed	Limits	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
MTBE	100	nd		nd	nd			
Dichlorodifluoromethane	50	nd		nd	nd			
Chloromethane	50	nd		nd	nd			
Vinyl chloride	50	nd		nd	nd			
Bromomethane	50	nd		nd	nd			
Chloroethane	50	nd		nd	nd			
Trichlorofluoromethane	50	nd		nd	nd			
1,1-Dichloroethene	50	nd		nd	nd			
Methylene chloride	20	nd		nd	nd			
1,1-Dichloroethane	50	nd		nd	nd			
cis-1,2-Dichloroethene	50	nd		nd	nd			
Chloroform	50	nd		nd	nd			
1,1,1-Trichloroethane	50	nd		nd	nd			
Carbontetrachloride	50	nd		nd	nd			
1,1-Dichloropropene	50	nd		nd	nd			
1,2-Dichloroethane(EDC)	20	nd		nd	nd			
Trichloroethene	20	nd	75%	nd	nd	76%	80%	5%
1,2-Dichloropropane	50	nd		nd	nd			
Dibromomethane	50	nd		nd	nd			
Bromodichloromethane	50	nd		nd	nd			
cis-1,3-Dichloropropene	50	nd		nd	nd			
trans-1,3-Dichloropropene	50	nd		nd	nd			
1,1,2-Trichloroethane	50	nd		nd	nd			
Tetrachloroethene	50	nd		nd	nd			
1,3-Dichloropropane	50	nd		nd	nd			
Dibromochloromethane	20	nd		nd	nd			
1,2-Dibromoethane (EDB)*	5	nd		nd	nd			
Chlorobenzene	50	nd	96%	nd	nd	83%	84%	1%
1,1,1,2-Tetrachloroethane	50	nd		nd	nd			
1,2,3-Trichloropropane	50	nd		nd	nd			
1,1,2,2-Tetrachloroethane	50	nd		nd	nd			
2-Chlorotoluene	50	nd		nd	nd			
4-Chlorotoluene	50	nd		nd	nd			
1,3-Dichlorobenzene	50	nd		nd	nd			
1,4-Dichlorobenzene	50	nd		nd	nd			
1,2-Dichlorobenzene	50	nd		nd	nd			
1,2-Dibromo-3-Chloropropane	50	nd		nd	nd			
1,2,4-Trichlorobenzene	50	nd		nd	nd			
1,2,3-Trichlorobenzene	50	nd		nd	nd			

*-instrument detection limits

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

8260B, µg/kg		MTH BLK	LCS	P5(5')	P9(5')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Date analyzed	Limits	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Surrogate recoveries								
Dibromofluoromethane		97%	95%	98%	91%	109%	117%	
1,2-Dichloroethane-d4		99%	89%	105%	104%	106%	129%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
M-matrix interference
C - coelution with sample peaks
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

NWTPH-Gx / BTEX		MTH BLK	LCS	P1(10')	Dupl P1(10')	RPD P1(10')	P2(5')	P3(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Date analyzed	Limits	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd		nd	nd		nd	nd
Gasoline	5.0	nd		9.0	11	18%	nd	nd
BTEX 8021B, µg/kg								
Benzene	20	nd	90%	96	78	21%	nd	nd
Toluene	50	nd	101%	nd	nd		nd	nd
Ethylbenzene	50	nd		nd	nd		nd	nd
Xylenes	50	nd		nd	nd		nd	nd
Surrogate recoveries:								
Trifluorotoluene		94%	129%	89%	84%		84%	83%
Bromofluorobenzene		76%	83%	79%	87%		81%	80%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

NWTPH-Gx / BTEX		P4(5')	P5(5')	P5(10')	P6(10')	P7(3')	P9(5')	P9(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Date analyzed	Limits	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	8.5	53	nd	nd	nd	110	23
BTEX 8021B, µg/kg								
Benzene	20	nd	160	nd	nd	nd	150	nd
Toluene	50	nd	71	nd	nd	nd	nd	nd
Ethylbenzene	50	100	840	nd	nd	nd	5,100	340
Xylenes	50	nd	150	nd	nd	nd	nd	nd
Surrogate recoveries:								
Trifluorotoluene		83%	94%	80%	88%	87%	103%	83%
Bromofluorobenzene		80%	83%	79%	83%	84%	82%	84%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

NWTPH-Gx / BTEX		P10(10')	P11(10')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Date analyzed	Limits	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
NWTPH-Gx, mg/kg						
Mineral spirits/Stoddard	5.0	nd	nd			
Gasoline	5.0	nd	nd			
BTEX 8021B, µg/kg						
Benzene	20	nd	nd	84%	87%	4%
Toluene	50	nd	nd	91%	97%	6%
Ethylbenzene	50	nd	nd			
Xylenes	50	nd	nd			
Surrogate recoveries:						
Trifluorotoluene		81%	73%	128%	118%	
Bromofluorobenzene		83%	83%	84%	77%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	P1(10')	P2(5')	P3(10')	P4(5')	P5(5')	P5(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Date analyzed	Limits	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:								
Fluorobiphenyl		119%	121%	120%	119%	121%	122%	120%
o-Terphenyl		113%	98%	97%	100%	95%	101%	100%

Data Qualifiers and Analytical Comments
na - not analyzed
Results reported on dry-weight basis
M - matrix interference
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

NWTPH-Dx, mg/kg		P6(10')	P7(3')	P9(5')	P9(10')	P10(10')	P11(10')	Dupl P11(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Date analyzed	Limits	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:								
Fluorobiphenyl		123%	119%	124%	110%	127%	125%	120%
o-Terphenyl		101%	98%	98%	101%	103%	97%	95%

Data Qualifiers and Analytical Comments
na - not analyzed
Results reported on dry-weight basis
M - matrix interference
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number: C61004-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/04/16

Analytical Results

Metals (7010), mg/kg		MTH BLK	LCS	P5(5')	P9(5')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Date analyzed	Limits	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16	10/04/16
Lead (Pb)	1.0	nd	106%	7.8	5.2	113%	107%	5%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M- matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 10, 2016

Nick Gerkin
Aerotech Environmental, Inc.
13925 Interurban Avenue South, Suite 210
Seattle, WA 98168

Dear Mr. Gerkin:

Please find enclosed the analytical data report for the *Fife RV (C61005-1)* Project.

Samples were received on *October 05, 2016.* The results of the analyses are presented in the attached tables. Applicable reporting limits, QA/QC data and data qualifiers are included. A copy of the chain-of-custody and an invoice for the work is also enclosed.

ADVANCED ANALYTICAL LABORATORY appreciates the opportunity to provide analytical services for this project. Should there be any questions regarding this report, please contact me at (425) 702-8571.

It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

V. Ivanov

Val G. Ivanov, Ph.D.
Laboratory Manager

4078 148 Ave NE■ Redmond, WA 98052
425.702-8571
E-mail: aachemlab@yahoo.com

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number:	C61005-1
Client:	Aerotech Environmental
Project Manager:	Nick Gerkin
Client Project Name:	Fife RV
Client Project Number:	na
Date received:	10/05/16

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61005-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/05/16

Analytical Results

NWTPH-Gx / BTEX		MTH BLK	LCS	P8(10')	P12(5')	P12(10')	P13(5')	P13(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Date analyzed	Limits	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd		nd	nd	nd	nd	nd
Gasoline	5.0	nd		nd	100	nd	6.7	nd
BTEX 8021B, µg/kg								
Benzene	20	nd	83%	nd	420	nd	nd	nd
Toluene	50	nd	90%	nd	180	nd	nd	nd
Ethylbenzene	50	nd		nd	1,700	nd	nd	nd
Xylenes	50	nd		nd	540	nd	nd	nd
Surrogate recoveries:								
Trifluorotoluene		84%	111%	85%	117%	80%	88%	88%
Bromofluorobenzene		81%	79%	81%	94%	78%	86%	88%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61005-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/05/16

Analytical Results

NWTPH-Gx / BTEX		P14(5')	P14(10')	P14(10') Dupl	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Date analyzed	Limits	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd	nd	nd			
Gasoline	5.0	60	nd	nd			
BTEX 8021B, µg/kg							
Benzene	20	150	nd	nd	85%	87%	3%
Toluene	50	170	nd	nd	92%	92%	1%
Ethylbenzene	50	96	nd	nd			
Xylenes	50	160	nd	nd			
Surrogate recoveries:							
Trifluorotoluene		99%	75%	75%	125%	125%	
Bromofluorobenzene		82%	73%	73%	85%	82%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61005-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/05/16

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	P8(10')	P12(5')	P12(10')	P13(5')	P13(10')	P14(5')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Date analyzed	Limits	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16	10/05/16
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd
Surrogate recoveries:								
Fluorobiphenyl		119%	125%	121%	123%	126%	124%	129%
o-Terphenyl		113%	109%	100%	105%	106%	103%	107%

Data Qualifiers and Analytical Comments
na - not analyzed
Results reported on dry-weight basis
M - matrix interference
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61005-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/05/16

Analytical Results			Dupl
NWTPH-Dx, mg/kg		P14(10')	P14(10')
Matrix	Soil	Soil	Soil
Date extracted	Reporting	10/05/16	10/05/16
Date analyzed	Limits	10/05/16	10/05/16
Kerosene/Jet fuel	20	nd	nd
Diesel/Fuel oil	20	nd	nd
Heavy oil	50	nd	nd
Surrogate recoveries:			
Fluorobiphenyl		124%	120%
o-Terphenyl		106%	98%

Data Qualifiers and Analytical Comments
na - not analyzed
Results reported on dry-weight basis
M - matrix interference
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 10, 2016

Nick Gerkin
Aerotech Environmental, Inc.
13925 Interurban Avenue South, Suite 210
Seattle, WA 98168

Dear Mr. Gerkin:

Please find enclosed the analytical data report for the *Fife RV (C61006-3)* Project.

Samples were received on *October 06, 2016.* The results of the analyses are presented in the attached tables. Applicable reporting limits, QA/QC data and data qualifiers are included. A copy of the chain-of-custody and an invoice for the work is also enclosed.

ADVANCED ANALYTICAL LABORATORY appreciates the opportunity to provide analytical services for this project. Should there be any questions regarding this report, please contact me at (425) 702-8571.

It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

V. Ivanov

Val G. Ivanov, Ph.D.
Laboratory Manager

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425.702-8571
E-mail: aachemlab@yahoo.com

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number:	C61006-3
Client:	Aerotech Environmental
Project Manager:	Nick Gerkin
Client Project Name:	Fife RV
Client Project Number:	na
Date received:	10/06/16

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

8260B, µg/kg		MTH BLK	LCS	TP3(3')	TP3(5')	TP9(5')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Date analyzed	Limits	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
MTBE	100	nd		nd	nd	nd			
Dichlorodifluoromethane	50	nd		nd	nd	nd			
Chloromethane	50	nd		nd	nd	nd			
Vinyl chloride	50	nd		nd	nd	nd			
Bromomethane	50	nd		nd	nd	nd			
Chloroethane	50	nd		nd	nd	nd			
Trichlorofluoromethane	50	nd		nd	nd	nd			
1,1-Dichloroethene	50	nd		nd	nd	nd			
trans-1,2-Dichloroethene	50	nd		nd	nd	nd			
2,2-Dichloropropane	50	nd		nd	nd	nd			
cis-1,2-Dichloroethene	50	nd		nd	nd	nd			
Chloroform	50	nd		nd	nd	nd			
1,1,1-Trichloroethane	50	nd		nd	nd	nd			
Carbontetrachloride	50	nd		nd	nd	nd			
1,1-Dichloropropene	50	nd		nd	nd	nd			
1,2-Dichloroethane(EDC)	20	nd		nd	nd	nd			
Trichloroethene	20	nd	73%	nd	nd	nd	100%	78%	26%
1,2-Dichloropropane	50	nd		nd	nd	nd			
Dibromomethane	50	nd		nd	nd	nd			
Bromodichloromethane	50	nd		nd	nd	nd			
cis-1,3-Dichloropropene	50	nd		nd	nd	nd			
trans-1,3-Dichloropropene	50	nd		nd	nd	nd			
1,1,2-Trichloroethane	50	nd		nd	nd	nd			
Tetrachloroethene	50	nd		nd	nd	nd			
1,3-Dichloropropane	50	nd		nd	nd	nd			
Dibromochloromethane	20	nd		nd	nd	nd			
1,2-Dibromoethane (EDB)*	5	nd		nd	nd	nd			
Chlorobenzene	50	nd	96%	nd	nd	nd	117%	95%	21%
1,1,1,2-Tetrachloroethane	50	nd		nd	nd	nd			
1,2,3-Trichloropropane	50	nd		nd	nd	nd			
1,1,2,2-Tetrachloroethane	50	nd		nd	nd	nd			
2-Chlorotoluene	50	nd		nd	nd	nd			
4-Chlorotoluene	50	nd		nd	nd	nd			
1,3-Dichlorobenzene	50	nd		nd	nd	nd			
1,4-Dichlorobenzene	50	nd		nd	nd	nd			
1,2-Dichlorobenzene	50	nd		nd	nd	nd			
1,2-Dibromo-3-Chloropropane	50	nd		nd	nd	nd			
1,2,4-Trichlorobenzene	50	nd		nd	nd	nd			
1,2,3-Trichlorobenzene	50	nd		nd	nd	nd			

*-instrument detection limits

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

8260B, µg/kg		MTH BLK	LCS	TP3(3')	TP3(5')	TP9(5')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Date analyzed	Limits	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Surrogate recoveries									
Dibromofluoromethane		99%	103%	106%	110%	100%	108%	104%	
1,2-Dichloroethane-d4		98%	96%	116%	117%	129%	117%	95%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
M-matrix interference
C - coelution with sample peaks
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

NWTPH-Gx / BTEX		MTH BLK	LCS	TP1(5')	TP2(5')	TP2(10')	TP3(3')	TP3(5')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Date analyzed	Limits	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd		nd	nd	nd	nd	nd
Gasoline	5.0	nd		nd	nd	nd	2,500	650
BTEX 8021B, µg/kg								
Benzene	20	nd	101%	nd	nd	nd	340	530
Toluene	50	nd	112%	nd	nd	nd	350	5,300
Ethylbenzene	50	nd		nd	nd	nd	15,000	7,500
Xylenes	50	nd		nd	nd	nd	10,000	7,300
Surrogate recoveries:								
Trifluorotoluene		101%	130%	79%	83%	80%	81%	123%
Bromofluorobenzene		86%	82%	85%	87%	91%	97%	89%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

NWTPH-Gx / BTEX		TP3(10')	TP4(3')	TP4(5')	TP4(10')	TP5(5')	TP5(10')	TP6(5')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Date analyzed	Limits	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	27	nd	nd	nd	nd	nd	nd
BTEX 8021B, µg/kg								
Benzene	20	nd	nd	nd	nd	nd	nd	nd
Toluene	50	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	50	180	nd	nd	nd	nd	nd	nd
Xylenes	50	250	nd	nd	nd	nd	nd	nd
Surrogate recoveries:								
Trifluorotoluene		77%	91%	84%	88%	86%	87%	80%
Bromofluorobenzene		81%	89%	84%	84%	93%	88%	87%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

NWTPH-Gx / BTEX		TP6(10')	TP7(5')	TP8(3')	TP8(5')	TP9(5')	TP9(10')	P15(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Date analyzed	Limits	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	12	690	60	nd	6,090	240	nd
BTEX 8021B, µg/kg								
Benzene	20	71	900	nd	nd	4,000	590	nd
Toluene	50	nd	1,900	nd	nd	4,000	1,500	nd
Ethylbenzene	50	nd	32,000	1,200	nd	66,000	1,600	nd
Xylenes	50	nd	330	nd	nd	130,000	3,700	nd
Surrogate recoveries:								
Trifluorotoluene		80%	120%	86%	74%	M	108%	74%
Bromofluorobenzene		82%	102%	87%	81%	83%	86%	82%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

NWTPH-Gx / BTEX		P16(5')	P16(10')	P17(5')	Dupl P17(5')	P17(10')	P18(5')	P18(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Date analyzed	Limits	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	1,100	nd	nd	nd	nd	130	nd
BTEX 8021B, µg/kg								
Benzene	20	720	nd	nd	nd	nd	290	nd
Toluene	50	72	nd	nd	nd	nd	nd	nd
Ethylbenzene	50	7,500	nd	nd	nd	nd	1,500	nd
Xylenes	50	32,000	nd	nd	nd	nd	2,400	nd
Surrogate recoveries:								
Trifluorotoluene		130%	81%	88%	90%	90%	86%	90%
Bromofluorobenzene		84%	88%	94%	84%	94%	83%	98%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results		Dupl					
NWTPH-Gx / BTEX		P18(10')	P19(5')	P19(10')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
Date analyzed	Limits	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16	10/06/16
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd	nd	nd			
Gasoline	5.0	nd	nd	nd			
BTEX 8021B, µg/kg							
Benzene	20	nd	nd	nd	99%	85%	15%
Toluene	50	nd	nd	nd	105%	103%	3%
Ethylbenzene	50	nd	nd	nd			
Xylenes	50	nd	nd	nd			
Surrogate recoveries:							
Trifluorotoluene		87%	83%	81%	127%	110%	
Bromofluorobenzene		87%	88%	89%	83%	86%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	TP7(5')	TP9(5')	P16(5')	P16(5') Dupl
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
Date analyzed	Limits	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd
Surrogate recoveries:						
Fluorobiphenyl		128%	127%	130%	128%	129%
o-Terphenyl		128%	106%	109%	108%	109%

Data Qualifiers and Analytical Comments
na - not analyzed
Results reported on dry-weight basis
M - matrix interference
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number: C61006-3
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/06/16

Analytical Results

Metals (7010), mg/kg		MTH BLK	LCS	P16(5')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
Date analyzed	Limits	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
Lead (Pb)	1.0	nd	113%	7.0	114%	127%	11%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M- matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 10, 2016

Nick Gerkin
Aerotech Environmental, Inc.
13925 Interurban Avenue South, Suite 210
Seattle, WA 98168

Dear Mr. Gerkin:

Please find enclosed the analytical data report for the *Fife RV (C61007-1)* Project.

Samples were received on *October 07, 2016.* The results of the analyses are presented in the attached tables. Applicable reporting limits, QA/QC data and data qualifiers are included. A copy of the chain-of-custody and an invoice for the work is also enclosed.

ADVANCED ANALYTICAL LABORATORY appreciates the opportunity to provide analytical services for this project. Should there be any questions regarding this report, please contact me at (425) 702-8571.

It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

V. Ivanov

Val G. Ivanov, Ph.D.
Laboratory Manager

4078 148 Ave NE■ Redmond, WA 98052
425.702-8571
E-mail: aachemlab@yahoo.com

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number:	C61007-1
Client:	Aerotech Environmental
Project Manager:	Nick Gerkin
Client Project Name:	Fife RV
Client Project Number:	na
Date received:	10/07/16

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61007-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/07/16

Analytical Results

NWTPH-Gx / BTEX		MTH BLK	LCS	TP11(5')	TP12(5')	TP13(5')	TP14(5')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
Date analyzed	Limits	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd		nd	nd	nd	nd
Gasoline	5.0	nd		nd	18	nd	nd
BTEX 8021B, µg/kg							
Benzene	20	nd	94%	nd	nd	nd	nd
Toluene	50	nd	110%	nd	nd	nd	nd
Ethylbenzene	50	nd		nd	nd	nd	nd
Xylenes	50	nd		nd	82	nd	nd
Surrogate recoveries:							
Trifluorotoluene		98%	129%	83%	79%	85%	104%
Bromofluorobenzene		85%	96%	93%	95%	92%	109%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61007-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/07/16

Analytical Results

NWTPH-Gx / BTEX		TP14(10')	TP15(5')	TP15(10')	TP16(3')	TP16(5')	TP17(3')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
Date analyzed	Limits	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd	nd	nd	nd	nd	nd
Gasoline	5.0	nd	nd	nd	nd	nd	nd
BTEX 8021B, µg/kg							
Benzene	20	nd	nd	nd	nd	nd	nd
Toluene	50	nd	nd	nd	nd	nd	nd
Ethylbenzene	50	nd	nd	nd	nd	nd	nd
Xylenes	50	nd	nd	nd	nd	nd	nd
Surrogate recoveries:							
Trifluorotoluene		103%	98%	90%	105%	97%	91%
Bromofluorobenzene		101%	97%	97%	108%	95%	89%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61007-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/07/16

Analytical Results

NWTPH-Gx / BTEX		TP17(5')	TP18(3')	TP19(3')	TP19(5')	TP19(5') Dupl	MS
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
Date analyzed	Limits	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16	10/07/16
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd	nd	nd	nd	nd	
Gasoline	5.0	nd	nd	nd	nd	nd	
BTEX 8021B, µg/kg							
Benzene	20	nd	nd	nd	nd	nd	94%
Toluene	50	nd	nd	nd	nd	nd	103%
Ethylbenzene	50	nd	nd	nd	nd	nd	
Xylenes	50	nd	nd	nd	nd	nd	
Surrogate recoveries:							
Trifluorotoluene		95%	104%	103%	106%	108%	124%
Bromofluorobenzene		106%	104%	102%	102%	88%	85%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61007-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/07/16

Analytical Results

NWTPH-Gx / BTEX		MSD	RPD
Matrix	Soil	Soil	Soil
Date extracted	Reporting	10/07/16	10/07/16
Date analyzed	Limits	10/07/16	10/07/16
NWTPH-Gx, mg/kg			
Mineral spirits/Stoddard	5.0		
Gasoline	5.0		
BTEX 8021B, µg/kg			
Benzene	20	95%	2%
Toluene	50	104%	0%
Ethylbenzene	50		
Xylenes	50		
Surrogate recoveries:			
Trifluorotoluene		125%	
Bromofluorobenzene		83%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 25, 2016

Nick Gerkin
Aerotech Environmental, Inc.
13925 Interurban Avenue South, Suite 210
Seattle, WA 98168

Dear Mr. Gerkin:

Please find enclosed the analytical data report for the *Fife RV (C61020-1)* Project.

Samples were received on *October 20, 2016.* The results of the analyses are presented in the attached tables. Applicable reporting limits, QA/QC data and data qualifiers are included. A copy of the chain-of-custody and an invoice for the work is also enclosed.

ADVANCED ANALYTICAL LABORATORY appreciates the opportunity to provide analytical services for this project. Should there be any questions regarding this report, please contact me at (425) 702-8571.

It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

V. Ivanov

Val G. Ivanov, Ph.D.
Laboratory Manager

4078 148 Ave NE■ Redmond, WA 98052
425.702-8571
E-mail: aachemlab@yahoo.com

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number:	C61020-1
Client:	Aerotech Environmental
Project Manager:	Nick Gerkin
Client Project Name:	Fife RV
Client Project Number:	na
Date received:	10/20,21/16

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61020-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/20,21/16

Analytical Results

NWTPH-Gx / BTEX		MTH BLK	LCS	P20(5')	P20(10')	P21(5')	P21(10')	P22(5')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16
Date analyzed	Limits	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd		nd	nd	nd	nd	nd
Gasoline	5.0	nd		57	20	1,200	66	1,100
BTEX 8021B, µg/kg								
Benzene	20	nd	105%	65	240	650	110	830
Toluene	50	nd	101%	101	nd	590	140	1,900
Ethylbenzene	50	nd		150	90	8,100	340	20,000
Xylenes	50	nd		160	84	24,000	740	7,900
Surrogate recoveries:								
Trifluorotoluene		84%	97%	82%	71%	71%	72%	M
Bromofluorobenzene		90%	80%	92%	92%	92%	94%	130%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61020-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/20,21/16

Analytical Results

NWTPH-Gx / BTEX		P22(10')	P22(12')	P23(5')	P23(10')	P24(5')	P24(10')	Dupl P24(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16
Date analyzed	Limits	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd	nd	nd	nd	nd	nd	nd
Gasoline	5.0	34	nd	760	16	nd	50	58
BTEX 8021B, µg/kg								
Benzene	20	29	nd	460	nd	nd	260	340
Toluene	50	nd	nd	740	nd	nd	nd	nd
Ethylbenzene	50	430	nd	4,800	220	nd	1,500	1,700
Xylenes	50	190	nd	2,400	100	nd	860	1,000
Surrogate recoveries:								
Trifluorotoluene		87%	83%	M	93%	85%	91%	84%
Bromofluorobenzene		110%	104%	112%	107%	101%	103%	93%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61020-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/20,21/16

Analytical Results			RPD						
NWTPH-Gx / BTEX		P24(10')	MS	MSD	RPD	P25(5')	P25(10')	P26(10')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16
Date analyzed	Limits	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16	10/21/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0					nd	nd	nd
Gasoline	5.0	15%				5,200	350	12
BTEX 8021B, µg/kg								
Benzene	20	27%	110%	111%	0%	4,600	160	nd
Toluene	50		118%	119%	1%	25,000	3,400	nd
Ethylbenzene	50	13%				35,000	1,600	nd
Xylenes	50	15%				230,000	16,000	410
Surrogate recoveries:								
Trifluorotoluene			110%	113%		M	98%	91%
Bromofluorobenzene			104%	104%		M	108%	102%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61020-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/20,21/16

Analytical Results

NWTPH-Gx / BTEX		P27(5')	P28(5')	P28(10')
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/21/16	10/21/16	10/21/16
Date analyzed	Limits	10/21/16	10/21/16	10/21/16
NWTPH-Gx, mg/kg				
Mineral spirits/Stoddard	5.0	nd	nd	nd
Gasoline	5.0	58	nd	nd
BTEX 8021B, µg/kg				
Benzene	20	nd	nd	nd
Toluene	50	nd	nd	nd
Ethylbenzene	50	95	nd	nd
Xylenes	50	390	nd	nd
Surrogate recoveries:				
Trifluorotoluene		88%	84%	83%
Bromofluorobenzene		106%	101%	98%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

AAL Job Number: C61020-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/20,21/16

Analytical Results				Dupl
NWTPH-Dx, mg/kg		MTH BLK	P25(5')	P25(5')
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/22/16	10/22/16	10/22/16
Date analyzed	Limits	10/22/16	10/22/16	10/22/16
Kerosene/Jet fuel	20	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd
Heavy oil	50	nd	nd	nd
Surrogate recoveries:				
Fluorobiphenyl		89%	93%	94%
o-Terphenyl		103%	107%	105%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
Results reported on dry-weight basis
M - matrix interference
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61020-1
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/20,21/16

Analytical Results

Metals (7010), mg/kg		MTH BLK	LCS	P25(5')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/24/16	10/24/16	10/24/16	10/04/16	10/04/16	10/04/16
Date analyzed	Limits	10/24/16	10/24/16	10/24/16	10/04/16	10/04/16	10/04/16
Lead (Pb)	1.0	nd	93%	8.6	M	M	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 25, 2016

Nick Gerkin
Aerotech Environmental, Inc.
13925 Interurban Avenue South, Suite 210
Seattle, WA 98168

Dear Mr. Gerkin:

Please find enclosed the analytical data report for the *Fife RV (C61024-2)* Project.

Samples were received on *October 24, 2016.* The results of the analyses are presented in the attached tables. Applicable reporting limits, QA/QC data and data qualifiers are included. A copy of the chain-of-custody and an invoice for the work is also enclosed.

ADVANCED ANALYTICAL LABORATORY appreciates the opportunity to provide analytical services for this project. Should there be any questions regarding this report, please contact me at (425) 702-8571.

It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,

V. Ivanov

Val G. Ivanov, Ph.D.
Laboratory Manager

4078 148 Ave NE■ Redmond, WA 98052
425.702-8571
E-mail: aachemlab@yahoo.com

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number:	C61024-2
Client:	Aerotech Environmental
Project Manager:	Nick Gerkin
Client Project Name:	Fife RV
Client Project Number:	na
Date received:	10/24/16

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61024-2
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/24/16

Analytical Results

NWTPH-Gx / BTEX		MTH BLK	LCS	P29(3')	P30(5')	P30(10')	P31(10')	P32(3')
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16
Date analyzed	Limits	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16
NWTPH-Gx, mg/kg								
Mineral spirits/Stoddard	5.0	nd		nd	nd	nd	nd	nd
Gasoline	5.0	nd		nd	200	nd	nd	nd
BTEX 8021B, µg/kg								
Benzene	20	nd	80%	nd	86	nd	nd	nd
Toluene	50	nd	92%	nd	190	nd	nd	nd
Ethylbenzene	50	nd		nd	280	nd	nd	nd
Xylenes	50	nd		nd	400	nd	nd	nd
Surrogate recoveries:								
Trifluorotoluene		78%	82%	76%	79%	76%	70%	78%
Bromofluorobenzene		118%	118%	124%	120%	116%	115%	108%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 702-8571

AAL Job Number: C61024-2
Client: Aerotech Environmental
Project Manager: Nick Gerkin
Client Project Name: Fife RV
Client Project Number: na
Date received: 10/24/16

Analytical Results				Dupl			
NWTPH-Gx / BTEX		P33(3')	P34(3')	P34(3')	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16
Date analyzed	Limits	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd	nd	nd			
Gasoline	5.0	nd	nd	nd			
BTEX 8021B, µg/kg							
Benzene	20	nd	nd	nd	92%	90%	2%
Toluene	50	nd	nd	nd	99%	100%	1%
Ethylbenzene	50	nd	nd	nd			
Xylenes	50	nd	nd	nd			
Surrogate recoveries:							
Trifluorotoluene		78%	73%	71%	77%	70%	
Bromofluorobenzene		99%	107%	113%	108%	110%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
M - matrix interference
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

- Laboratory Chain of Custody

ADVANCED ANALYTICAL

Chain of Custody Record

Page of

Laboratory Job #: C61004-1

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: [illegible]

Project Manager: Nick Gerkin

Address: 13125 Interurban Ave S. Tukwila

Phone: 206 482 2257

Fax:

Project Name: Elk RV

Project Number: –

Collector: Nick Gerkin

Date of collection: 10/3-4/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead				Notes, comments	# of containers
1	P1(10')	1240	SOIL	2 VOA				X		⊗											10/3 Quick	3
2	P2(5')	1250						X		⊗												
3	P3(10')	1300						X		⊗												
4	P4(5')	1310						X		⊗												
5	P5(5')	1330			X			X		⊗							X					
6	P6(10')	0850						X		⊗											10/4	
7	P7(3')	0900						X		⊗												
8	P8(10')	1150						X		⊗												
9	P9(5')	1300			X			X		⊗							X					
10	P[illegible]	1310						X		⊗												
11	P10(10')	1315						X		⊗											⊗ Added	
12	P11(10')	1325	✓	✓				X		⊗											by N Gerkin 10/05/16	

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/4/16 1450	[signature]	10/4/16 14:30
Relinquished by:	**Date/Time**	**Received by:**	**Date/Time**
[signature]	10/4/16 4:25	V. Hall	10/4/16 4:25pm

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

Rush

ADVANCED ANALYTICAL

Chain of Custody Record

Page of

Laboratory Job #: CE10105-1

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: [illegible]

Project Name: F-2 RV

Project Manager: Nick Gerken

Project Number: —

Address: 15925 Interurban Ave S, Tukwila

Collector: Nick Gerken

Phone: 206 482 2267 Fax:

Date of collection: 10/4 + 10/5

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx Ext	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead				Notes, comments	# of containers
1	P8(10')	1140	SED	4oz				X		X											10/4	3
2	P12(5')	1400						X		X											10/5	
3	P12(10')	1405						X		X												
4	P13(5')	1410						X		X												
5	P13(10')	1415						X		X												
6	P14(5')	1420						X		X												
7	P14(10')	1425	↓	✓				X		X											↓	✓
8																						
9																						
10																						
11																						
12																						

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/5/16 1430	[signature]	10/5/16 [illegible]
Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/5/16 [illegible]	[signature]	10/5/16 1665

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record (1)

Laboratory Job #: B61006-3

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Aerotech

Project Manager: Nick Gerik

Address: 925 Interurban Ave S

Phone: 206 482 2287

Fax:

Project Name: Fife RV

Project Number: —

Collector: Nick Gerkin

Date of collection: 10/6/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx ext	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead				Notes, comments	# of containers
1	P15(10')	0925	SOIL	2 VOA 1 JAR				X													Run after TP series	3
2	P16 (5')	0930	↓	↓				X		X							X				↓	↓
3	P16 (10')	0935						X														
4	P17 (5')	0940						X														
5	P17 (10')	0945						X														
6	P18 (5')	0950						X														
7	P18 (10')	0955						X														
8	P19 (5')	1000						X														
9	P19 (10')	1005		↓				X													↓	↓
10	TP1 (5')	1050		2 VOA				X													Run 1st	2
11	TP2 (5')	1105		↓				X													↓	↓
12	TP2 (10')	1110	✓	↓				X													↓	↓

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/6/16 1300	S. [signature]	10/6/16 1305
Relinquished by:	**Date/Time**	**Received by:**	**Date/Time**
S. [signature]	10/6/16 2:08	V. [signature] 10/06/16 2:08pm	

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record ②

Laboratory Job #: BG1006-3

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Aerotech

Project Manager: Nick Gerkin

Address: 13925 Interurban Ave S

Phone: 206 452 2287 Fax:

Project Name: Fife RV

Project Number: —

Collector: Nick Gerkin

Date of collection: 10/6/16

#	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx ext	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead				Notes, comments	# of containers
1	TP3(3')	1115	Soil	2VOA	X			X									X̶				no lead	2
2	TP3(5')	1120			X			X									X̶				no lead	
3	TP3(10')	1125						X														
4	TP4(3')	1155						X														
5	TP4(5')	1200						X														
6	TP4(10')	1205						X														
7	TP5(5')	1215						X														
8	~~TP10~~ TP5(10)	1220						X														
9	TP6(5')	1315						X														
10	TP6(10)	1320		↓				X														↓
11	TP7(5')	1230		2VOA 1Jar				X		X												3
12	TP8(3')	1340	↓	2VOA				X														2

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/6/16 1300	[signature]	10/6/16 1300
Relinquished by:	Date/Time	Received by:	Date/Time
S. [signature]	10/6/16 2:08	V Nguyen	10/06/16 2:08 pm

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record

Laboratory Job #: B61006-3

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Aerotech

Project Manager: Nick Gerkin

Address: 13925 Interurban Ave S

Phone: 206 482 2287 Fax:

Project Name: Fire RV

Project Number: -

Collector: Nick Gerkin

Date of collection: 10/6/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead			Notes, comments	# of containers
1	TP8(5')	1145	SOIL	2VOA				X													2
2	TP8(10')	1150	↓	↓				X												Run TP8(5') - TP8(10')	2
3	TP9(5')	1255		2VOA 1Jar	X			X		X											3
4	TP9(10')	1300	↓	2VOA				X													2
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/6/16 1300	[signature]	10/6/16 1300
Relinquished by:	**Date/Time**	**Received by:**	**Date/Time**
[signature]	10/6/16 2:08	V. [illegible] 10/6/16 2:08 pm	

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record

Page 1 of

Laboratory Job #: 616c7-1

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Terratech

Project Name: F&E RV

Project Manager: Nick Gerken

Project Number: —

Address: 13925 Interurban Ave S, Tukwila

Collector: Nick Gerken

Phone: 206 453 2257 Fax:

Date of collection: 10/6/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead	Notes, comments	# of containers
1	~~TP10~~ TP10(5')	1520	Soil	2WA				X	-	-	diesel/oil							HOLD	2
2	TP11(5')	1525						X											
3	TP12(5')	1535						X											
4	TP13(5')	1545						X											
5	TP14(5')	1555						X											
6	TP14(10')	1605	↓	↓				X										↓	↓
7																			
8																			
9																			
10																			
11																			
12																			

Relinquished by:	Date/Time	Received by:	Date/Time
	10/7/16		10/7/16 8:50
Relinquished by:	Date/Time	Received by:	Date/Time
	10/7/16 10:00		10/8/16

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record (12)

Page 1 of 1

Laboratory Job #: 161017-1

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Aerotech

Project Name: Fife RV

Project Manager: Nick Gerkin

Project Number: —

Address: 13925 Interurban Ave S

Collector: Nick Gerkin

Phone: 206 482 2287 Fax:

Date of collection: 10/7/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead	Notes, comments	# of containers
1	TP15(5')	1125	SOIL	JAR				X											
2	TP15(10')	1130						X											
3	TP16(3')	1155						X											
4	TP16(5')	1200						X											
5	TP17(3')	1210						X											
6	TP17(5')	1215						X											
7	TP18(3')	1220						X											
8	TP19(3')	1225						X											
9	TP19(5')	1230	↓	↓				X											↓
10																			
11																			
12																			

Relinquished by:	Date/Time	Received by:	Date/Time
	10/7/16 1300		10/7/16 1300
Relinquished by:	Date/Time	Received by:	Date/Time
	10/7/16 1300		10/08/16 11:00

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record

Page 1 of

Laboratory Job #: C1610C-1

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Terotech

Project Name: F&E RV

Project Manager: Nick Gerkin

Project Number: —

Address: 13925 Interurban Ave S

Collector: Nick Gerkin

Phone: 206 482 2257 Fax:

Date of collection: 10/20/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead	Notes, comments	# of containers
1	F21(5')	1040	SOIL	1VOA 1SAG				X											1
2	F21(10')	~~1045~~ 1105						X											
3	F22(5')	1100	~~1045~~					X											
4	F22(10')	1140						X											
5	F22(12')	1150						X											
6	F23(5')	1200						X											
7	F23(10')	1205						X											
8	F24(5')	1210	↓	↓				X											↓
9	F24(10')	1300	↓	↓				X											↓
10	P20(5')	1320						X											
11	P20(10')	1330	↓	↓				X											↓
12																			

Relinquished by:	Date/Time	Received by:	Date/Time
	10/20/16 1500		10/20/16 1500
Relinquished by:	Date/Time	Received by:	Date/Time
	10/20/16 4:20pm		10/20/16 4:30pm

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record (2)

Page of

Laboratory Job #: C6120 1

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Aerotech

Project Name: Ft. Lewis RV

Project Manager: Nick Gerkin

Project Number: —

Address: 13925 Interurban Ave S, Tukwila, WA

Collector: Nick Gerkin

Phone: 206 482 2287 Fax:

Date of collection: 10/21/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx ext	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead	Notes, comments	# of containers
1	P25 (5)	0930	Soil	1V-P 1Jar				X		X							X		2
2	P25 (10)	0940						X											
3	P26 (10)	1135						X											
4	P27 (5)	1145						X											
5	P28 (5)	1150						X										RUSH	
6	P28 (10)	1200						X										RUSH	
7	~~TP2A (3)~~	1340	✓	✓				~~X~~										RUSH	✓
8																			
9																			
10																			
11																			
12																			

NAG — Soil from which sample taken was subsequently discarded

Relinquished by:	Date/Time	Received by.	Date/Time
	10/21/16 1450		10/21/16 14:50
Relinquished by:	Date/Time	Received by:	Date/Time
	10/21/16 14:50		10/21/16 16:36

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record

Page of

Laboratory Job #: B C61024-2

2821 152 Avenue NE
Redmond, WA 98052
(425) 497-0110 fax: (425) 497-8089
aachemlab@yahoo.com

Client: Aerotech

Project Manager: Nick Gerkin

Address: 13925 Interurban Ave S, Tukwila, WA

Phone: 206 482 2287 Fax:

Project Name: F-16 RV

Project Number: —

Collector: Nick Gerkin

Date of collection: 10/24/16

	Sample ID	Time	Matrix	Container type	8260 Volatiles	8021B Volatiles	BTEX	BTEX/NWTPH-Gx	NWTPH-Gx	NWTPH-Dx	NWTPH-HCID	8270 Semivolatiles	8270 PAH	8082 PCBs	8081 Pesticides	RCRA 8 Metals	Lead				Notes, comments	# of containers
1	P29 (3)	0845	Soil	1VOA 1SVOC				X														2
2	P36 (5)	1100						X														
3	P30 (10)	1110						X														
4	P31 (10)	1120						X														
5	P32 (3)	1310						X														
6	P33 (3)	1320						X														
7	P34 (3)	1330	↓	↓				X														↓
8																						
9																						
10																						
11																						
12																						

Relinquished by:	Date/Time	Received by:	Date/Time
	10/24/16 1400		10/24/16 1400
Relinquished by:	Date/Time	Received by:	Date/Time
	10/24/16 3:15pm		10/24/16 3:52pm

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr O

48 hr O

Standard O

- Supplemental Documents

Associated Earth Sciences, Inc.

Serving the Pacific Northwest Since 1981

January 24, 2014
Project No. TV130509B

Mr. Noel Coon
Hana Hou.Wailea, LLC
c/o Mr. Kelly Wood
Phillips Burgess PLLC
505 Broadway Street, Suite 408
Tacoma, Washington 98402

Subject: Supplemental Phase II Environmental Site Assessment
Freddie's Casino Property
3410 Pacific Highway East
Fife, Washington

Dear Mr. Coon:

Associated Earth Sciences, Inc. (AESI) is pleased to provide this letter-report presenting the results of our assessment of subsurface conditions at the above-referenced site. The subject property consists of a vacated casino building, associated outbuilding, and associated asphalt and gravel parking located on approximately 3.76 acres of land. The location of the property is shown on Figure 1, "Vicinity Map."

BACKGROUND

AESI issued a Phase I Environmental Site Assessment (ESA) for the subject property on October 29, 2013, for another party. The site layout is shown on the attached Figure 2. Based on our Phase I ESA findings, the identified recognized environmental conditions (RECs) included:

- A release of petroleum hydrocarbons was previously identified on the northwestern portion of the subject property. Additional investigation was recommended to determine the nature and extent of the release as well as whether it originates from an on-site or off-site source.

- The northwest corner of the subject property was occupied by a Gasamat gas station from approximately the late 1960s to the late 1980s (Figure 2). The full history and configuration of the former station, as well as the specifications and status of the former underground storage tank (UST) fuel system, are unknown. Additional investigation was recommended to determine if the Gasamat is the source of the above-mentioned petroleum

release or if other adverse subsurface conditions (e.g. abandoned USTs) are present beneath the subject property.

- A petroleum release was historically identified at the northwest adjoining Chevron station property. Based on the available regulatory records and the identified petroleum release on the subject property, additional investigation was recommended to determine if this off-site activity has adversely affected or contributed to adverse subsurface conditions beneath the subject property.

- The subject property is part of a cleanup "site" (CSCSL) defined by the Washington State Department of Ecology (Ecology) due to the above-mentioned petroleum release and elevated arsenic concentrations in ground water. Based on our recent correspondence with Ecology, the site would likely be delisted from the CSCSL if the petroleum release is remediated, regardless of the arsenic condition in ground water (which appears to be area-wide).

AESI's complete Phase I ESA findings and conclusions are provided under separate cover.

SOIL AND GROUND WATER SAMPLING

For this subsurface investigation, AESI oversaw a geophysical survey and completed exploration advancement on December 18 and 19, 2013, respectively. The purpose of the geophysical survey was to attempt to identify abandoned USTs or backfilled UST cavities at the subject property. The purpose of the explorations was to attempt to better define the nature and extent of the identified petroleum release at the site and to determine if any of the above-referenced RECs have led to other adverse environmental impacts to subsurface soil and/or ground water at the subject property. Figure 2 is a "Site and Exploration Plan" that indicates the approximate locations of the test probes. Analytical laboratory results and sample chain-of-custody forms are included as Appendix A and exploration logs are included as Appendix B.

Geophysical Survey

AESI oversaw a geophysical survey performed at the site by CNI Locates, Ltd. The accessible exterior areas of the northwestern, unpaved gravel area (i.e. the vicinity of the former Gasamat station and the previous detection of petroleum hydrocarbons) were examined with an electro magnetometer (EM) for metallic anomalies. Suspect anomalies and the estimated historical locations of the former Gasamat station and USTs (based on limited information obtained during our Phase I ESA) were subsequently traversed with ground-penetrating radar (GPR). Based on the findings of the geophysical survey, no abandoned USTs or definitive evidence of former, backfilled UST cavities were identified.

It should be noted that several factors can interfere with the effectiveness of the geophysical survey equipment, potentially resulting in subsurface features and/or objects (including USTs and associated backfilled cavities) not being identified. Regardless of these inherent limitations, geophysical survey techniques such as EM and GPR are generally considered the best available technology for identifying the presence and location of these potential subsurface features.

Exploration Borings

AESI completed ten Geoprobe explorations (EB-1 through EB-10) throughout the suspect areas of the subject property using a truck-mounted Geoprobe 7800 rig. The explorations were drilled to a maximum depth of 15 feet below ground surface (bgs).

The approximate locations of the explorations are depicted on Figure 2. Test probes EB-1 and EB-2 were advanced in the approximate, reported locations[1] of the two borings where the petroleum release was previously identified in 2004. Test probes EB-3 and EB-10 were advanced southwest and southeast of the existing Chevron fuel system, to help assess whether the off-site operations may be contributing to adverse subsurface conditions encountered on the subject property. Test probes EB-4 through EB-7 were advanced in the gravel lot at the approximate location of the former Gasamat gas station and USTs. Test probes EB-8 and EB-9 were advanced in locations meant to better delineate the previously identified petroleum release. Ground water was encountered in every exploration.

Soil Sampling

Soil sampling at all Geoprobe explorations was completed by driving a plastic-lined hollow probe tube with a truck-mounted, hydraulic impact hammer. The explorations are advanced in 5-foot increments. After each 5-foot driving interval the probe was removed from the exploration and the plastic sleeve containing a sample of the subsurface materials encountered during that driving interval was removed. The plastic liner was cut open to expose the soil sample, and laboratory-prepared sample containers were filled with soil for possible analytical testing.

A soil sample was also collected for field screening using a portable photoionization detector (PID) and visual and olfactory methods. PID readings were collected to determine field indications of volatile organic compounds (VOCs) in soils, measured in volumetric parts per million (vppm). PID readings and observations pertaining to suspect staining, and/or odors are noted on the exploration logs included in Appendix B. In summary, no suspect soil staining was noted; however, slight to strong petroleum odors were encountered in soils from explorations EB-4 through EB-7, EB-9, and EB-10. PID readings ranged from 0.0 vppm to 184 vppm (observed in EB-5 from 5.5 to 6.5 feet bgs). Suspect elevated PID readings were observed in soils from explorations EB-4 through EB-6, and EB-10.

1 The figures provided in the previous reports for the 2004 borings were not to scale. Therefore, the reported locations are approximated.

Ground Water Sampling

Ground water samples were collected for analytical testing from every exploration advanced at the site. The ground water sampling procedure consisted of installing a temporary well screen at the base of the completed exploration, and inserting a plastic tube extending from the screened interval to the ground surface. A peristaltic pump was used to draw water from the screened interval. The pump was run for approximately 15 minutes to clear the majority of the turbidity from the water flow, and the ground water sample was collected into laboratory-prepared sample containers after the development period. The tubing, temporary screen, and casing were then removed.

Sample Management

All soil and ground water samples collected for chemical analysis were placed in appropriate sample containers supplied by an Ecology-approved laboratory subcontracted to AESI. Soil samples intended for VOCs analysis were collected using the Ecology-approved 5035 method. However, soil sample EB-2-8.5, which was not originally intended for VOCs analysis, was collected in a 4-ounce glass jar with a Teflon-lid liner. Each container was labeled with the site name, date, time, exploration number, sample number, and sampling personnel. Sample containers were placed in a chilled cooler immediately after sampling, and subsequently transported to the analytical laboratory by AESI under strict chain-of-custody procedures.

Site Restoration

All Geoprobe exploration locations were abandoned with bentonite seals in accordance with Ecology guidelines. No permanent wells were installed.

Waste Management

Soil cuttings, purge water, and equipment cleaning water generated during the field activities were placed in a Washington State Department of Transportation (WSDOT)-approved, 35-gallon steel drum, closed, and appropriately labeled with project-specific information and initial accumulation date. One 35-gallon waste drum was generated during these field services and was left on-site for subsequent characterization and disposal. Disposal of drummed material is not included in this scope of work.

SUBSURFACE CONDITIONS

Subsurface conditions at the project site were inferred from the field explorations accomplished for this study and visual reconnaissance of the site. Soils encountered beneath the subject property generally consisted of approximately 3 to 8 feet of brown-gray, fine to coarse silty sand, with variable gravels, underlain by brown-gray sandy silt (alluvium) to the maximum depth explored (15 feet bgs).

An approximately 0.5- to 3-foot thick, perched water-bearing zone (moist to wet) was observed within the silt unit, occasionally within an interbedded sandy silt or silty sand layer, at approximate depths of 6 to 9 feet bgs. The partially-saturated zones abated with depth, except at exploration EB-6, where wet soils were observed to the maximum depth explored. In each exploration, the water level rose slightly from the initially encountered depth (a few inches to as much as 2 feet), indicating a partially-confined ground water condition.

As discussed in our Phase I ESA report, a review of previous reports for the subject and adjoining properties indicates that ground water flow direction appears to fluctuate and can range from north to south. The predominant ground water flow direction (based on multiple elevation measurements reported for the northwest adjoining Chevron property) is reportedly to the southwest, towards the Puyallup River.

LABORATORY ANALYSIS RESULTS

Soil samples were analyzed by Friedman & Bruya, Inc. of Seattle, Washington, for one or all of the following:

- Total petroleum hydrocarbons (TPH) identification by Method NWTPH-HCID.
- Gasoline-range TPH by Method NWTPH-G.
- Diesel- and oil-range TPH by Method NWTPH-Dx with silica gel cleanup[2].
- VOCs and/or benzene, toluene, ethylbenzene and total xylenes (BTEX) by Method 8260C or 8021B.
- Total lead by Method 200.8/1631E.

The soil and ground water analytical results are summarized in Table 1, "Laboratory Analysis Results for Soil Samples," and Table 2, "Laboratory Analysis Results for Ground Water," respectively, attached to this letter-report. Gasoline-range TPH and BTEX analytical results are also summarized in Figure 3, "Exploration Plan with Soil Analytical Summary," and Figure 4, "Exploration Plan with Ground Water Analytical Summary," both attached to this letter report.

Soil Analytical Results

Based on the laboratory analytical results, gasoline-range TPH (up to 2,000 milligrams per kilogram [mg/kg]), benzene (up to 1.8 mg/kg), toluene (up to 9.6 mg/kg), ethylbenzene (up to 41 mg/kg), and total xylenes (up to 120 mg/kg) were detected in the soil samples analyzed from

2 Silica gel cleanup mitigates organic interferences that can result in falsely elevated analytical results during NWTPH-Dx analysis.

the subject property, above their Model Toxics Control Act (MTCA) Method A soil cleanup levels for unrestricted land use (MTCA cleanup levels of 30, 0.03, 7, 6, and 9 mg/kg, respectively). The distribution of gasoline TPH and BTEX concentrations detected in site soils (considered herein to be the "indicator" contaminants of concern) is shown in Figure 3. The highest concentrations of gasoline TPH and BTEX were detected in soils collected from the vicinity of the reported, former Gasamat UST locations.

Diesel-range TPH concentrations (up to 660 mg/kg) were also detected in soil samples concurrently with significantly elevated gasoline-range TPH concentrations. However, a review of the individual sample chromatograms by the analytical laboratory indicated that these diesel detections are likely the result of overlap from the elevated gasoline TPH detections and are not indicative of diesel.

Oil-range TPH was not detected in any of the soil samples analyzed. The three soil samples with the highest detections of gasoline TPH were also analyzed for total lead content and found to contain lead concentrations up to 12.3 mg/kg, below the MTCA Method A soil cleanup level of 250 mg/kg and likely indicative of background conditions.

Ground Water Analytical Results

Based on the laboratory analytical results, gasoline-range TPH (up to 49,000 micrograms per Liter [ug/L]), benzene (up to 1,100 ug/L), toluene (up to 420 ug/L), ethylbenzene (up to 2,800 ug/L), total xylenes (up to 6,000 ug/L), and naphthalene (up to 540 ug/L), were detected in the ground water samples collected from the site above their MTCA Method A ground water cleanup levels (MTCA cleanup levels of 800, 5, 1,000, 700, 1,000, and 160, respectively). 1,3,5-trimethylbenzene (up to 210 ug/L) was also detected above its applicable MTCA Method B ground water cleanup level of 80 ug/L[3]. The distribution of gasoline TPH and BTEX concentrations detected in ground water at the site is shown in Figure 4. As with the detections in soil, the highest concentrations of gasoline TPH and BTEX were detected in ground water collected from the vicinity of the reported, former Gasamat UST locations.

Diesel-range TPH (up to 6,000 mg/kg) and methylene chloride were also detected in ground water samples with significantly elevated gasoline-range TPH concentrations. However, a review of the individual sample chromatograms by the analytical laboratory suggested that the diesel TPH detections are likely the result of overlap from the elevated gasoline TPH concentrations and not indicative of diesel. The laboratory also indicated that the methylene chloride detection was likely the result of laboratory contamination.

Oil-range TPH was detected in only one sample, EB-3-GW, at a concentration of 350 ug/L, below the MTCA Method A ground water cleanup level of 500 ug/L. Other petroleum-related VOCs were also detected in ground water at relatively low concentrations (see Table 2).

3 In lieu of an established MTCA Method A ground water cleanup level for 1,3,5-trimethylbenzene, the Method B cleanup value was used for comparison.

CONCLUSIONS AND RECOMMENDATIONS

A supplemental Phase II ESA subsurface investigation was conducted to attempt to better define the nature and extent of adverse subsurface conditions at the subject property.

Based on the geophysical survey findings, no suspect subsurface anomalies (e.g. USTs or backfilled UST cavities) were identified.

Based on the soil and ground water analytical results, a release of diesel- and oil-range TPH was not identified on the subject property. The eastern and southeastern extents of the previously identified gasoline-range TPH and BTEX release to soil and ground water have been adequately delineated. The extent of the release to soil and ground water, from the northwest to the southwest, has not yet been determined. Concentrations of naphthalene and 1,3,5-trimethylbenzene (likely associated with the gasoline TPH release) were also detected in ground water at the site above their respective MTCA Method A ground water cleanup levels. Also, the vertical extent of the identified contaminants of concern (COCs) appears to be limited to the observed, perched water-bearing zone and immediately adjacent, underlying soils.

The highest concentrations of the COCs were detected in the reported vicinity of the former Gasamat USTs. At this time, it is unclear if the adjoining Chevron station fuel system is contributing to the identified on-site release. The exploration closest to the off-site USTs (EB-3) did not contain significantly elevated concentrations of the COCs. However, due to the significantly elevated COC concentrations in soil and ground water from exploration EB-4 (also inferred directly downgradient of the off-site fuel UST nest), additional investigation would be necessary to exclude the adjacent Chevron facility as a source of COC contribution, especially given prior documented releases at the off-site property.

Additional investigation would be necessary to determine the full extent of the COCs plume in soil and ground water, particularly to the west. AESI recommends that a copy of this letter-report be submitted to Ecology as a status report of the remedial efforts being undertaken on the subject property. The client should also confer with legal counsel before taking any additional steps to address the on-site release.

LIMITATIONS AND EXCEPTIONS

Subsurface explorations cannot eliminate all uncertainty regarding the current extent of chemical contamination or the potential for future migration to soil or ground water. Given budget and time limitations, sampling is limited to a finite number of discrete locations and chemical analysis is limited to chemical constituents typically associated with the known environmental conditions. It is possible that higher chemical concentrations may be found in locations where sampling was not conducted and chemical constituents may be present that were not included in the analysis.

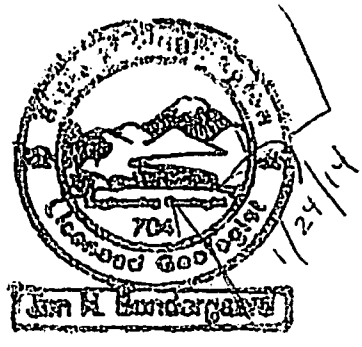
Judgments leading to the enclosed general conclusions are based on a reasonable amount of sampling and analysis and reflect site conditions as they existed at the time of our assessment. Other information on the subject property or adjacent surrounding properties may exist, and more extensive studies may reduce the uncertainties associated with this assessment.

CLOSURE

This letter-report was prepared for the exclusive use of Mr. Noel Coon, Hana Hou Wailea, LLC, and its agents for specific application to the subject site. AESI personnel performed this assessment in accordance with generally accepted standards of care that existed in the State of Washington at the time of this study. Our findings and conclusions have been prepared in accordance with generally accepted professional practice in the area at this time. We make no other warranty, either express or implied.

We appreciate this opportunity to provide these services. Please do not hesitate to call if you have any questions.

Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Tacoma, Washington



Lannie Smith, C.H.M.M.
Tacoma Environmental Manager

Jon N. Sondergaard, L.G., L.E.G.
Senior Principal Geologist

Attachments:

	Figure 1:	Vicinity Map
	Figure 2:	Site and Exploration Plan
	Figure 3:	Exploration Plan with Soil Analytical Summary
	Figure 4:	Exploration Plan with Ground Water Analytical Summary
	Table 1:	Laboratory Analysis Results for Soil Samples
	Table 2:	Laboratory Analysis Results for Ground Water
	Appendix A:	Laboratory Analytical Reports
		Sample Chain-of-Custody Forms
	Appendix B:	Exploration Logs

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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January 2, 2014

Lannie Smith, Project Manager
Associated Earth Sciences, Inc.
1552 Jefferson Ave, Suite 102
Tacoma, WA 98402

Dear Mr. Smith:

Included are the results from the testing of material submitted on December 20, 2013 from the TV130509B, F&BI 312348 project. There are 28 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.

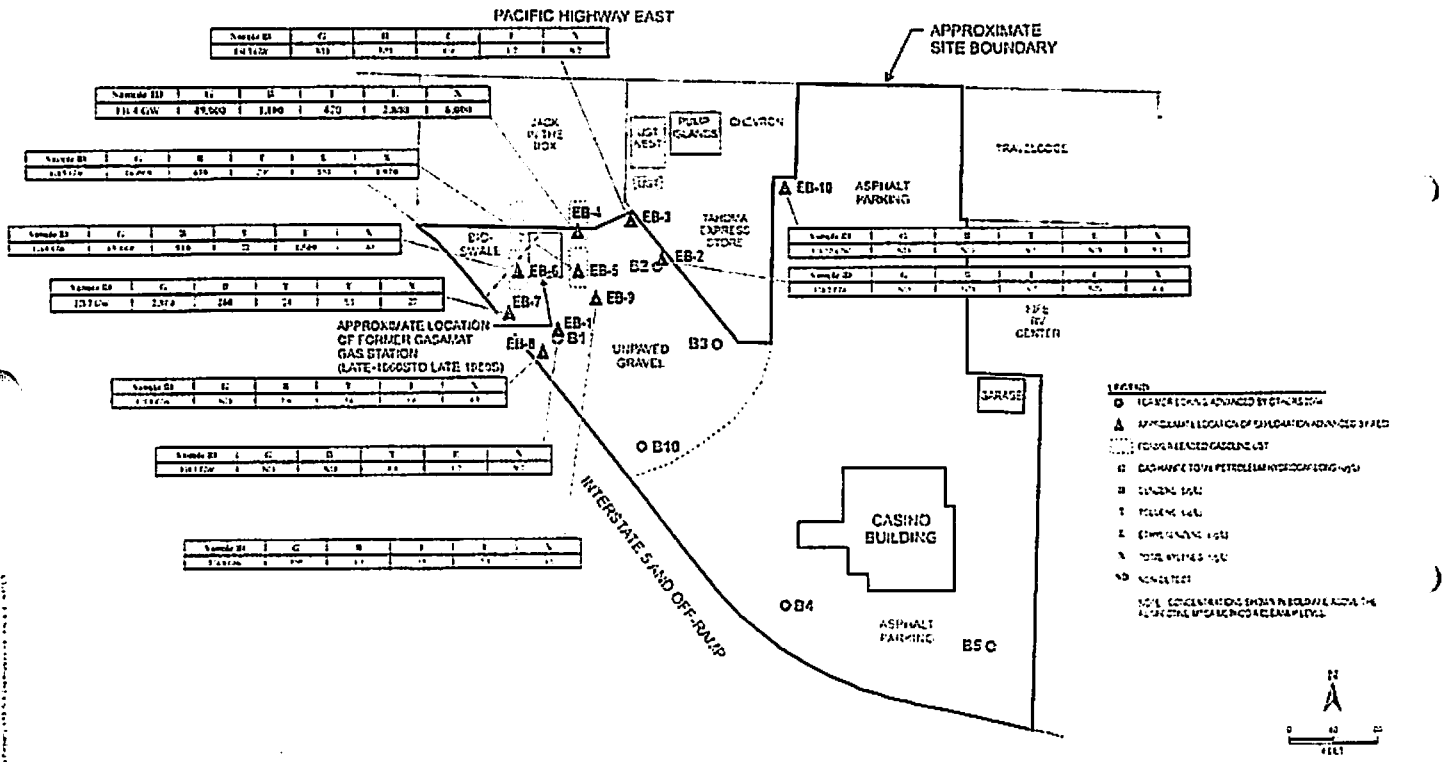
Michael Erdahl
Project Manager

Enclosures
AE10102R.DOC

Sample ID	Sample Location	Gasoline-Range Hydrocarbons (ug/L)	Diesel-Range Hydrocarbons (ug/L)	Motor Oil-Range Hydrocarbons (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Naphthalene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Methylene chloride (ug/L)	Other VOCs (ug/L)
FB 1 GW	FB 1	ND (< 100)	—	—	ND (< 1)	0.6	1.2	0.2	—	—	—	—
FB 2 GW	FB 2	ND (< 100)	—	—	ND (< 1)	0.7	ND (< 1)	0.6	—	—	—	—
FB 3 GW	FB 3	ND (< 100)	ND (< 50)	350	ND (< 1)	0.9	1.2	0.2	—	—	—	—
EB 4 GW	EB 4	49,000	6,000 [2]	ND (< 250)	1,100	423	2,600	6,000	—	—	—	—
EB 5 GW	EB 5	16,000	420 [2]	ND (< 250)	450	200	510	1,970	120	210	68 [4]	sec-Butylbenzene = 14 1,2,4-Trimethylbenzene = 830 n-Propylbenzene = 170 Isopropyl toluene = 50
EB 6 GW	EB 6	15,000	3,600 [2]	ND (< 250)	510	22	1,600	40	540	4.4	ND (< 5)	sec-Butylbenzene = 25 1,2,4-Trimethylbenzene = 19 n-Propylbenzene = 450 Isopropyl toluene = 160
EB 7 GW	EB 7	2,900	520 [2]	ND (< 250)	260 [3]	24	5.1	27	ND (< 1)	ND (< 1)	ND (< 5)	Acetone = 11 sec-Butylbenzene = 3.5 1,2,4-Trimethylbenzene = 1.6 n-Propylbenzene = 65 Isopropyl toluene = 34
FB 8 GW	FB 8	ND (< 100)	—	—	1.0	16	1.0	0.1	—	—	—	—
FB 9 GW	FB 9	110	—	—	1.1	15	2.3	15	—	—	—	—
FB 10 GW	FB 10	ND (< 100)	ND (< 50)	ND (< 250)	ND (< 1)	0.1	ND (< 1)	5.1	—	—	—	—
MTCA Method A Cleanup Levels		*800/1,000* [1]	*500*	*500*	*5*	*1,000*	*700*	*1,000*	*160*	*60* [5]	*5*	*varies*

Notes: Results above MTCA Method A Cleanup Levels, if any, are in bold.
ug/L = micrograms per Liter (equivalent to parts per billion).
— = Not Analyzed or Not Applicable

[1] The cleanup level for gasoline-range total petroleum hydrocarbons is 800 ug/L when benzene is present in groundwater and 1,000 ug/L otherwise.
[2] The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
[3] Estimated concentration. A dilution is required to obtain an accurate quantitation of the analyte.
[4] The presence of the compound indicated is likely due to laboratory contamination.
[5] The current Method B Non-carcinogen Standard Value was used in the table. No Method A or Method B carcinogen values have been established for this parameter.



Associated Earth Sciences, Inc.

EXPLORATION PLAN WITH GROUND WATER ANALYTICAL SUMMARY
FREDDIE'S CASINO PROPERTY
FIFE, WASHINGTON

FIGURE 4
DATE 1-14

Sample Location	Sample Depth (ft bgs)	PID (vppm)	Gasoline-Range Hydrocarbons (mg/kg)	Diesel-Range Hydrocarbons (mg/kg)	Heavy Oil-Range Hydrocarbons (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total Lead (mg/kg)
EB 1 2.5-3.5'	2.5-3.5'	0	ND (< 20)	ND (< 50)	ND (< 250)	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 1 4-5'	4-5'	0	---	---	---	---	---	---	---	---
EB 1 9.5-10'	9.5-10'	0.1	ND (< 20)	ND (< 50)	ND (< 250)	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 2 4-5'	4-5'	0.1	---	---	---	---	---	---	---	---
EB 2 6-7'	6-7'	0.1	---	---	---	---	---	---	---	---
EB 2 8.5'	8.5'	0.1	ND (< 20)	ND (< 50)	ND (< 250)	ND (< 0.02) [3]	ND (< 0.02) [3]	ND (< 0.02) [3]	ND (< 0.06) [3]	---
EB 2 9-10'	9-10'	0.1	---	---	---	---	---	---	---	---
EB 3 4-5'	4-5'	0.4	ND (< 20)	ND (< 50)	ND (< 250)	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 3 6-7'	6-7'	0.1	---	---	---	---	---	---	---	---
EB 3 7-7.5'	7-7.5'	0.1	---	---	---	---	---	---	---	---
EB 3 8-9'	8-9'	0.1	---	---	---	---	---	---	---	---
EB 3 9-10'	9-10'	0.1	---	---	---	---	---	---	---	---
EB 4 2.5-3.5'	2.5-3.5'	4.9	---	---	---	---	---	---	---	---
EB 4 3.5-4'	3.5-4'	84.3	---	---	---	---	---	---	---	---
EB 4 4-5'	4-5'	68.9	2,000	660 [2]	ND (< 250)	1.8	9.6	41	170	12.3
EB 4 6.5-7.5'	6.5-7.5'	0.5	3.9	ND (< 50)	ND (< 250)	ND (< 0.02)	0.031	ND (< 0.02)	ND (< 0.06)	---
EB 4 8-9'	8-9'	0.5	---	---	---	---	---	---	---	---
EB 4 9-10'	9-10'	0.6	---	---	---	---	---	---	---	---
EB 5 3-4'	3-4'	11.1	---	---	---	---	---	---	---	---
EB 5 4-5'	4-5'	138	730	270 [2]	ND (< 250)	1.4	4.3	12	50	---
EB 5 5.5-6.5'	5.5-6.5'	184	160	ND (< 50)	ND (< 250)	0.27	0.75	0.27	0.69	7.09
EB 5 6.5-7.5'	6.5-7.5'	3.4	22	ND (< 50)	ND (< 250)	0.41	0.75	0.058	ND (< 0.06)	---
EB 5 9-10'	9-10'	0.7	---	---	---	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 6 3-4'	3-4'	3.9	---	---	---	---	---	---	---	---
EB 6 4-5'	4-5'	1.2	---	---	---	---	---	---	---	
EB 6 6-7'	6-7'	103	---	---	---	---	---	---	---	---
EB 6 7-7.5'	7-7.5'	43.0	1,300	500 [2]	ND (< 250)	< 0.4	8	16	5.1	9
EB 6 7.5-8'	7.5-8'	5.5	---	---	---	---	---	---	---	---
EB 6 9.5-10'	9.5-10'	5.8	5-7	ND (< 50)	ND (< 250)	0.66	ND (< 0.02)	0.035	0.2	---
EB 6 10-11'	10-11'	0.6	---	---	---	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 7 3.5-4'	3.5-4'	2.5	---	---	---	---	---	---	---	---
EB 7 4-5'	4-5'	1.9	---	---	---	---	---	---	---	---
EB 7 5.5-6'	5.5-6'	2.5	ND (< 2)	ND (< 50)	ND (< 250)	0.027	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 8 4-5'	4-5'	0	ND (< 20)	ND (< 50)	ND (< 250)	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 8 8-9'	8-9'	0	ND (< 20)	ND (< 50)	ND (< 250)	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 8 9-10'	9-10'	0	---	---	---	---	---	---	---	---
EB 9 2-3'	2-3'	0	---	---	---	---	---	---	---	---
EB 9 3-4'	3-4'	0.4	4	---	---	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 9 4.5-5'	4.5-5'	0	---	---	---	---	---	---	---	---
EB 9 5.5-6.5'	5.5-6.5'	0	---	---	---	---	---	---	---	---
EB 9 7-7.5'	7-7.5'	0	---	---	---	---	---	---	---	---
EB 9 7.5-8'	7.5-8'	0	---	---	---	---	---	---	---	---
EB 9 9-10'	9-10'	0	---	---	---	---	---	---	---	---
EB 10 4-4.5'	4-4.5'	20	ND (< 2)	ND (< 50)	ND (< 250)	ND (< 0.02)	ND (< 0.02)	ND (< 0.02)	ND (< 0.06)	---
EB 10 7.5-8.5'	7.5-8.5'	0	---	---	---	---	---	---	---	---
EB 10 9-10'	9-10'	0	---	---	---	---	---	---	---	---
MTCA Method A Cleanup Levels			30 / 100 [1]	2,000	2,000	0.03	7	6	9	250

Notes: Results above the MTCA Method A Cleanup Level for Unrestricted Land Use, if any, in bold

ft bgs = feet below ground surface

mg/kg = milligrams per kilogram (equivalent to parts per million)

PID = Photoionization Detector

vppm = volumetric parts per million

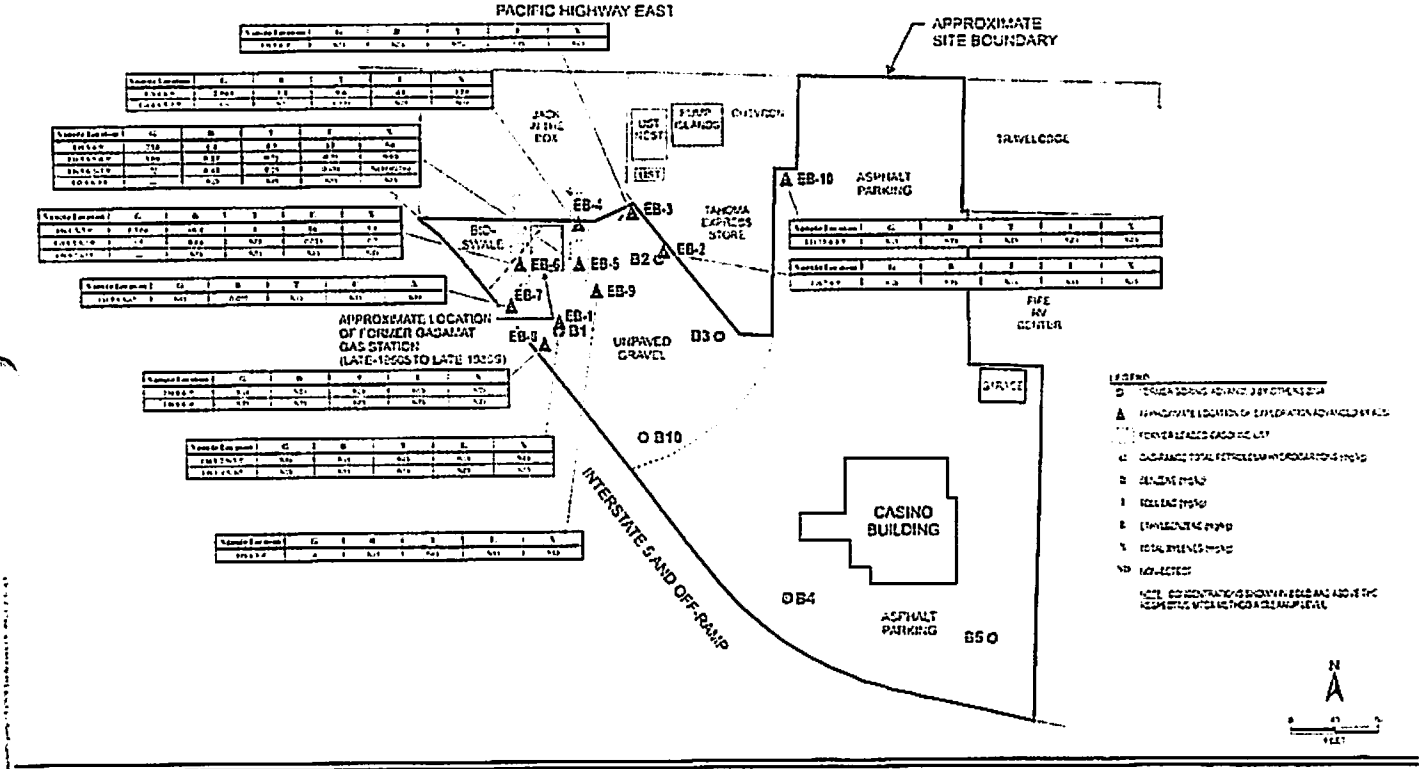
--- = Not Analyzed

NR = No reading collected

[1] The cleanup level for gasoline-range total petroleum hydrocarbons is 100 mg/kg for mixtures without benzene and the total of ethylbenzene, toluene, and xylenes are less than 1% of the mixture. The cleanup level is 30 mg/kg for all other gasoline mixtures.

[2] The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

[3] The sample was received in a container not approved by the method. The value reported should be considered an estimate.

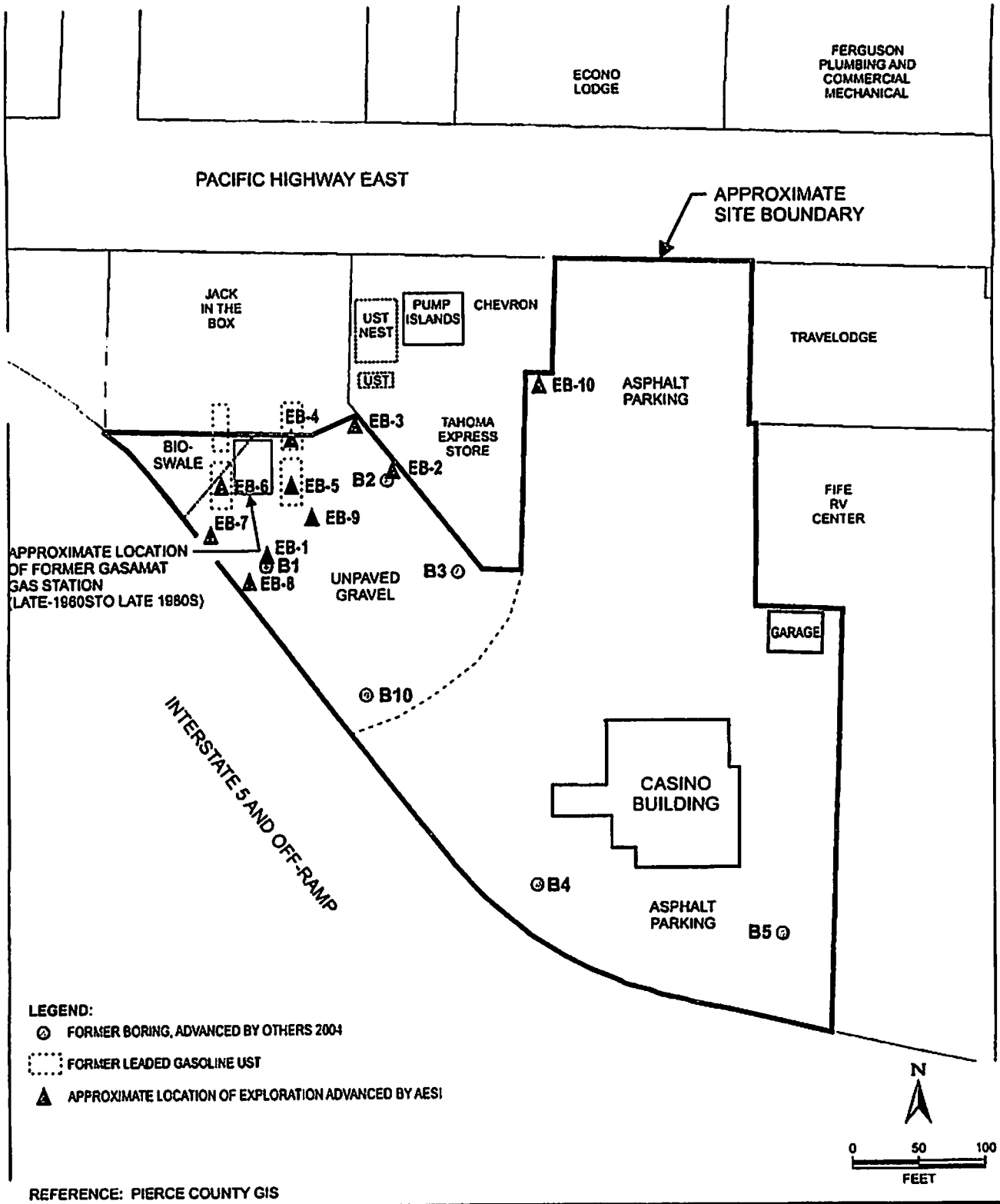


Associated Earth Sciences, Inc.

EXPLORATION PLAN WITH SOIL ANALYTICAL SUMMARY

FREDDIE'S CASINO PROPERTY

FIFE, WASHINGTON



REFERENCE: PIERCE COUNTY GIS

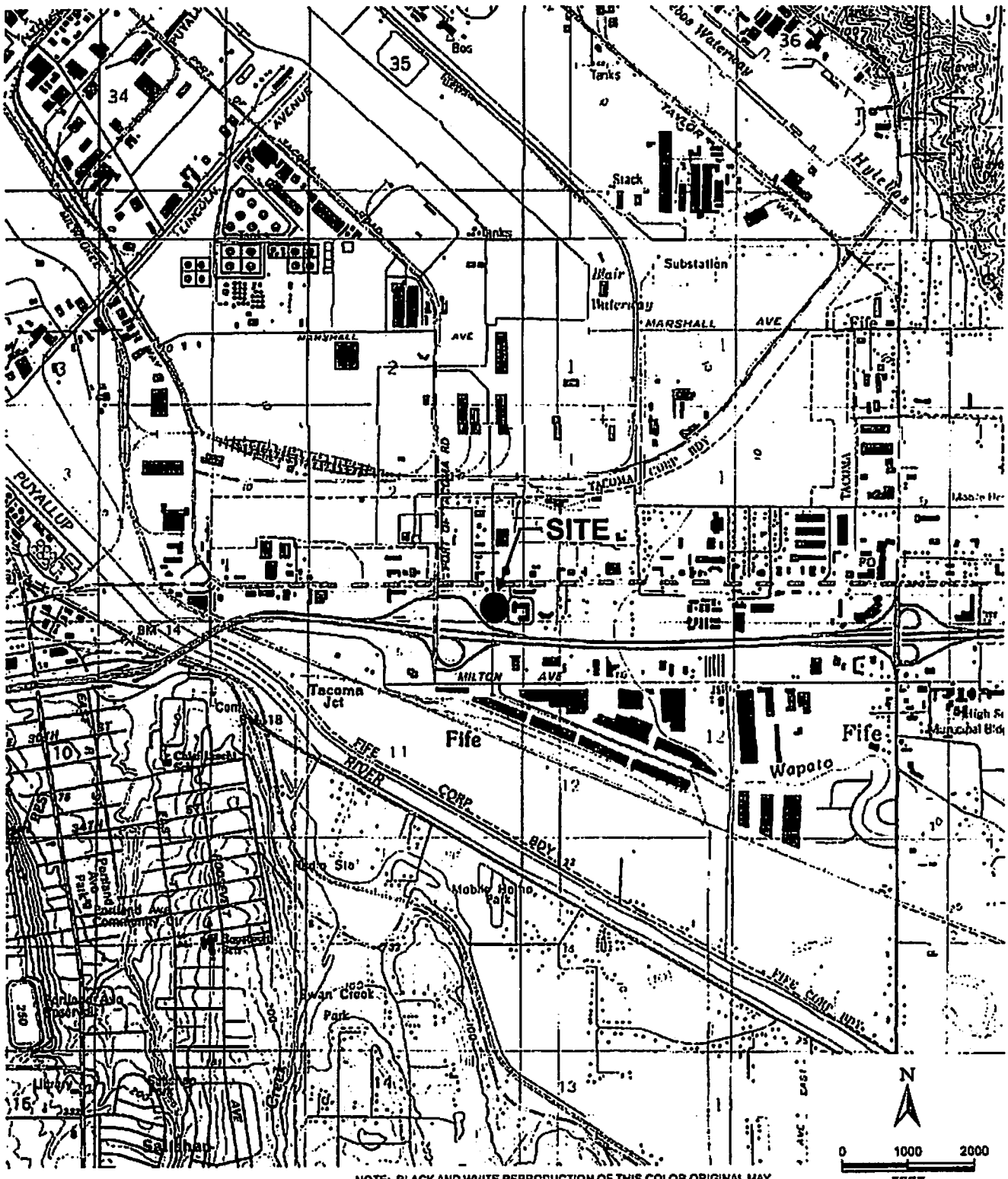
Associated Earth Sciences, Inc.

SITE PLAN

FREDDIE'S CASINO PROPERTY
FIFE, WASHINGTON

FIGURE 2
DATE 1/14
PROJ. NO. TV130509B

130509 Freddie's Casino Property \ 130509 Site Analysis.cdr PAGE 1: Site



REFERENCE: USGS TOPOI

NOTE: BLACK AND WHITE REPRODUCTION OF THIS COLOR ORIGINAL MAY REDUCE ITS EFFECTIVENESS AND LEAD TO INCORRECT INTERPRETATION.

Associated Earth Sciences, Inc.

VICINITY MAP

FREDDIE'S CASINO PROPERTY
FIFE, WASHINGTON

FIGURE 1
DATE 1/14
PROJ. NO. TV130509B

130509 Freddies Casino Property \ 130509 B Vicinity 1-14.cdr

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348
Date Extracted: 12/20/13
Date Analyzed: 12/20/13

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

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

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
EB4 4-5' 312348-19 1/20	1.8	9.6	41	120	2,000	100
EB4 6.5-7.5' 312348-20	<0.02	0.031	<0.02	<0.06	3.9	91
EB5 4-5' 312348-24 1/20	1.4	4.3	12	50	730	96
EB5 5.5-6.5' 312348-25	0.27	0.75	0.27	0.89	100	105
EB5 6.5-7.5' 312348-26	0.41	0.25	0.038	<0.06	22	98
EB6 7-7.5' 312348-32 1/20	<0.4	8.0	16	5.1	1,300	104
EB6 9.5-10' 312348-34	0.66	<0.02	0.035	0.20	5.7	95
EB7 5.5-6' 312348-39	0.027	<0.02	<0.02	<0.06	<2	95
EB9 3-4' 312348-45	<0.02	<0.02	<0.02	<0.06	4.0	95
EB10 4-4.5' 312348-52	<0.02	<0.02	<0.02	<0.06	<2	90
Method Blank 03-2576 MB	<0.02	<0.02	<0.02	<0.06	<2	95

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348
Date Extracted: 12/24/13
Date Analyzed: 12/30/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 47-140)
EB3 GW 312348-11	<50	350	83
EB4 GW 312348-17	6,000 x	<250	88
EB5 GW 312348-28	420 x	<250	73
EB6 GW 312348-36	3,800 x	<250	84
EB7 GW 312348-40	520 x	<250	90
EB10 GW 312348-55 1/1.1	<55	<280	87
Method Blank 03-2640 MB	<50	<250	72

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348
Date Extracted: 12/26/13
Date Analyzed: 12/27/13

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
EB4 4-5' 312348-19	660 x	<250	88
EB4 6.5-7.5' 312348-20	<50	<250	88
EB5 4-5' 312348-24	220 x	<250	89
EB5 5.5-6.5' 312348-25	<50	<250	88
EB5 6.5-7.5' 312348-26	<50	<250	87
EB6 7-7.5' 312348-32	560 x	<250	88
EB6 9.5-10' 312348-34	<50	<250	86
EB7 5.5-6' 312348-39	<50	<250	90
EB10 4-4.5' 312348-52	<50	<250	86
Method Blank 03-2075 MB	<50	<250	89

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB4 4-5'	**Client:**	Associated Earth Sciences
Date Received:	12/20/13	**Project:**	TV130509B, F&BI 312348
Date Extracted:	12/23/13	**Lab ID:**	312348-19
Date Analyzed:	12/23/13	**Data File:**	312348-19.020
Matrix:	Soil	**Instrument:**	ICPMS1
Units:	mg/kg (ppm) Dry Weight	**Operator:**	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	96	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	12.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB5 5.5-6.5'	Client:	Associated Earth Sciences
Date Received:	12/20/13	Project:	TV130509B, F&BI 312348
Date Extracted:	12/23/13	Lab ID:	312348-25
Date Analyzed:	12/23/13	Data File:	312348-25.021
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	95	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	7.08

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EBG 7-7.5'	Client:	Associated Earth Sciences
Date Received:	12/20/13	Project:	TV130509B, F&BI 312348
Date Extracted:	12/23/13	Lab ID:	312348-32
Date Analyzed:	12/23/13	Data File:	312348-32.022
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	88	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	0.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences
Date Received:	NA	Project:	TV130509B, F&BI 312348
Date Extracted:	12/23/13	Lab ID:	I3-872 mb
Date Analyzed:	12/23/13	Data File:	I3-872 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	100	60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	EB5 GW	Client:	Associated Earth Sciences
Date Received:	12/20/13	Project:	TV130509B, F&BI 312348
Date Extracted:	12/24/13	Lab ID:	312348-28
Date Analyzed:	12/24/13	Data File:	122411.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	390 ve
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	1,100 ve
Methylene chloride	<5	o-Xylene	430 ve
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	52
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	140
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	190 ve
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	380 ve	1,2,4-Trimethylbenzene	160 ve
Trichloroethene	<1	sec-Butylbenzene	13
1,2-Dichloropropane	<1	p-Isopropyltoluene	6.6
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	180 ve	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	130
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	EB5 GW	Client:	Associated Earth Sciences
Date Received:	12/20/13	Project:	TV130509B, F&BI 312348
Date Extracted:	12/24/13	Lab ID:	312348-28 1/10
Date Analyzed:	12/24/13	Data File:	122410.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<10	1,3-Dichloropropane	<10
Chloromethane	<100	Tetrachloroethene	<10
Vinyl chloride	<2	Dibromochloromethane	<10
Bromomethane	<10	1,2-Dibromoethane (EDB)	<10
Chloroethane	<10	Chlorobenzene	<10
Trichlorofluoromethane	<10	Ethylbenzene	510
Acetone	<100	1,1,1,2-Tetrachloroethane	<10
1,1-Dichloroethene	<10	m,p-Xylene	1,500
Methylene chloride	58 lc	o-Xylene	470
Methyl t-butyl ether (MTBE)	<10	Styrene	<10
trans-1,2-Dichloroethene	<10	Isopropylbenzene	56
1,1-Dichloroethane	<10	Bromoform	<10
2,2-Dichloropropane	<10	n-Propylbenzene	170
cis-1,2-Dichloroethene	<10	Bromobenzene	<10
Chloroform	<10	1,3,5-Trimethylbenzene	210
2-Butanone (MEK)	<100	1,1,2,2-Tetrachloroethane	<10
1,2-Dichloroethane (EDC)	<10	1,2,3-Trichloropropane	<10
1,1,1-Trichloroethane	<10	2-Chlorotoluene	<10
1,1-Dichloropropene	<10	4-Chlorotoluene	<10
Carbon tetrachloride	<10	tert-Butylbenzene	<10
Benzene	430	1,2,4-Trimethylbenzene	830
Trichloroethene	<10	sec-Butylbenzene	14
1,2-Dichloropropane	<10	p-Isopropyltoluene	<10
Bromodichloromethane	<10	1,3-Dichlorobenzene	<10
Dibromomethane	<10	1,4-Dichlorobenzene	<10
4-Methyl-2-pentanone	<100	1,2-Dichlorobenzene	<10
cis-1,3-Dichloropropene	<10	1,2-Dibromo-3-chloropropane	<100
Toluene	200	1,2,4-Trichlorobenzene	<10
trans-1,3-Dichloropropene	<10	Hexachlorobutadiene	<10
1,1,2-Trichloroethane	<10	Naphthalene	130
2-Hexanone	<100	1,2,3-Trichlorobenzene	<10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	EB6 GW	Client:	Associated Earth Sciences
Date Received:	12/20/13	Project:	TV130509B, F&BI 312348
Date Extracted:	12/24/13	Lab ID:	312348-36
Date Analyzed:	12/24/13	Data File:	122415.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	50	150
Toluene-d8	109	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	550 ve
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	34
Methylene chloride	<5	o-Xylene	6.0
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	130
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	4.4
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	450 ve	1,2,4-Trimethylbenzene	19
Trichloroethene	<1	sec-Butylbenzene	24
1,2-Dichloropropane	<1	p-Isopropyltoluene	3.2
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	22	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	520 ve
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	EB6 GW	Client:	Associated Earth Sciences
Date Received:	12/20/13	Project:	TV130509B, F&BI 312348
Date Extracted:	12/24/13	Lab ID:	312348-36 1/10
Date Analyzed:	12/24/13	Data File:	122414.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<10	1,3-Dichloropropane	<10
Chloromethane	<100	Tetrachloroethene	<10
Vinyl chloride	<2	Dibromochloromethane	<10
Bromomethane	<10	1,2-Dibromoethane (EDB)	<10
Chloroethane	<10	Chlorobenzene	<10
Trichlorofluoromethane	<10	Ethylbenzene	1,500
Acetone	<100	1,1,1,2-Tetrachloroethane	<10
1,1-Dichloroethene	<10	m,p-Xylene	39
Methylene chloride	<50	o-Xylene	<10
Methyl t-butyl ether (MTBE)	<10	Styrene	<10
trans-1,2-Dichloroethene	<10	Isopropylbenzene	150
1,1-Dichloroethane	<10	Bromoform	<10
2,2-Dichloropropane	<10	n-Propylbenzene	450
cis-1,2-Dichloroethene	<10	Bromobenzene	<10
Chloroform	<10	1,3,5-Trimethylbenzene	<10
2-Butanone (MEK)	<100	1,1,2,2-Tetrachloroethane	<10
1,2-Dichloroethane (EDC)	<10	1,2,3-Trichloropropane	<10
1,1,1-Trichloroethane	<10	2-Chlorotoluene	<10
1,1-Dichloropropene	<10	4-Chlorotoluene	<10
Carbon tetrachloride	<10	tert-Butylbenzene	<10
Benzene	510	1,2,4-Trimethylbenzene	19
Trichloroethene	<10	sec-Butylbenzene	25
1,2-Dichloropropane	<10	p-Isopropyltoluene	<10
Bromodichloromethane	<10	1,3-Dichlorobenzene	<10
Dibromomethane	<10	1,4-Dichlorobenzene	<10
4-Methyl-2-pentanone	<100	1,2-Dichlorobenzene	<10
cis-1,3-Dichloropropene	<10	1,2-Dibromo-3-chloropropane	<100
Toluene	20	1,2,4-Trichlorobenzene	<10
trans-1,3-Dichloropropene	<10	Hexachlorobutadiene	<10
1,1,2-Trichloroethane	<10	Naphthalene	540
2-Hexanone	<100	1,2,3-Trichlorobenzene	<10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	EB7 GW	Client:	Associated Earth Sciences
Date Received:	12/20/13	Project:	TV130509B, F&BI 312348
Date Extracted:	12/24/13	Lab ID:	312348-40
Date Analyzed:	12/24/13	Data File:	122418.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	5.1
Acetone	11	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	23
Methylene chloride	<5	o-Xylene	4.0
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	34
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	65
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	260 ve	1,2,4-Trimethylbenzene	1.6
Trichloroethene	<1	sec-Butylbenzene	3.5
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	24	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348

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

Laboratory Code: 312348-08 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	86	69-120
Toluene	mg/kg (ppm)	0.5	92	70-117
Ethylbenzene	mg/kg (ppm)	0.5	95	65-123
Xylenes	mg/kg (ppm)	1.5	94	66-120
Gasoline	mg/kg (ppm)	20	95	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348

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

Laboratory Code: 312333-06 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	92	65-118
Toluene	ug/L (ppb)	50	93	72-122
Ethylbenzene	ug/L (ppb)	50	95	73-126
Xylenes	ug/L (ppb)	150	94	74-118
Gasoline	ug/L (ppb)	1,000	98	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348

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

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	106	104	61-133	2

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348

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

Laboratory Code: 312348-19 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	500	132	117	63-146	12

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	116	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 312336-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	25.4	98 b	97 b	59-148	1 b

Laboratory Code: Laboratory Control Sample

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

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 312369-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	92	56-141
Chloromethane	ug/L (ppb)	50	<10	86	67-131
Vinyl chloride	ug/L (ppb)	50	<0.2	90	61-130
Bromomethane	ug/L (ppb)	50	<1	122	66-129
Chloroethane	ug/L (ppb)	50	<1	94	68-126
Trichlorofluoromethane	ug/L (ppb)	50	<1	93	71-128
Acetone	ug/L (ppb)	250	<10	97	48-149
1,1-Dichloroethene	ug/L (ppb)	50	<1	86	71-123
Methylene chloride	ug/L (ppb)	50	<5	95	61-120
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	98	66-125
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	92	72-122
1,1-Dichloroethane	ug/L (ppb)	50	<1	95	79-113
2,2-Dichloropropane	ug/L (ppb)	50	<1	95	66-132
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	96	73-119
Chloroform	ug/L (ppb)	50	<1	93	80-112
2-Butanone (MEK)	ug/L (ppb)	250	<10	105	60-123
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	98	78-113
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	95	79-110
1,1-Dichloropropene	ug/L (ppb)	50	<1	89	87-121
Carbon tetrachloride	ug/L (ppb)	50	<1	102	72-123
Benzene	ug/L (ppb)	50	0.35	91	79-109
Trichloroethene	ug/L (ppb)	50	<1	91	75-109
1,2-Dichloropropane	ug/L (ppb)	50	<1	97	80-111
Bromodichloromethane	ug/L (ppb)	50	<1	101	78-117
Dibromomethane	ug/L (ppb)	50	<1	101	80-112
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	118	79-123
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	102	76-120
Toluene	ug/L (ppb)	50	<1	92	73-117
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	99	75-122
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	97	81-111
2-Hexanone	ug/L (ppb)	250	<10	100	75-126
1,3-Dichloropropane	ug/L (ppb)	50	<1	95	81-111
Tetrachloroethene	ug/L (ppb)	50	<1	87	72-113
Dibromochloromethane	ug/L (ppb)	50	<1	92	69-129
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	96	83-114
Chlorobenzene	ug/L (ppb)	50	<1	93	75-115
Ethylbenzene	ug/L (ppb)	50	<1	87	71-120
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	96	78-122
m,p-Xylene	ug/L (ppb)	100	<2	87	63-128
o-Xylene	ug/L (ppb)	50	<1	90	64-129
Styrene	ug/L (ppb)	50	<1	91	70-122
Isopropylbenzene	ug/L (ppb)	50	<1	90	76-118
Bromoform	ug/L (ppb)	50	<1	94	49-136
n-Propylbenzene	ug/L (ppb)	50	<1	90	74-117
Bromobenzene	ug/L (ppb)	50	<1	90	70-121
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	90	81-112
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	93	78-120
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	88	73-119
2-Chlorotoluene	ug/L (ppb)	50	<1	86	77-114
4-Chlorotoluene	ug/L (ppb)	50	<1	86	81-100
tert-Butylbenzene	ug/L (ppb)	50	<1	90	81-116
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	92	74-115
sec-Butylbenzene	ug/L (ppb)	50	<1	88	77-118
p-Isopropyltoluene	ug/L (ppb)	50	<1	90	64-132
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	90	81-111
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	87	78-110
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	91	81-111
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	103	68-129
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	103	74-115
Hexachlorobutadiene	ug/L (ppb)	50	<1	96	67-120
Naphthalene	ug/L (ppb)	50	<1	108	63-136
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	101	79-116

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/02/14
Date Received: 12/20/13
Project: TV130509B, F&BI 312348

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	108	110	64-149	2
Chloromethane	ug/L (ppb)	50	96	98	67-133	2
Vinyl chloride	ug/L (ppb)	50	100	100	73-132	0
Bromomethane	ug/L (ppb)	50	128 vo	136 vo	69-123	6
Chloroethane	ug/L (ppb)	50	100	101	68-128	1
Trichlorofluoromethane	ug/L (ppb)	50	98	98	70-132	0
Acetone	ug/L (ppb)	250	113	119	44-145	5
1,1-Dichloroethene	ug/L (ppb)	50	88	89	75-119	1
Methylene chloride	ug/L (ppb)	50	99	106	63-132	7
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	107	108	70-122	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	94	94	76-118	0
1,1-Dichloroethane	ug/L (ppb)	50	98	99	80-116	1
2,2-Dichloropropane	ug/L (ppb)	50	111	112	62-141	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	99	100	81-111	1
Chloroform	ug/L (ppb)	50	96	98	81-100	2
2-Butanone (MEK)	ug/L (ppb)	250	116	117	63-140	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	104	107	79-100	3
1,1,1-Trichloroethane	ug/L (ppb)	50	98	96	80-116	2
1,1-Dichloropropene	ug/L (ppb)	50	98	99	78-112	2
Carbon tetrachloride	ug/L (ppb)	50	100	104	72-128	2
Benzene	ug/L (ppb)	50	94	94	81-108	0
Trichloroethene	ug/L (ppb)	50	93	93	77-108	0
1,2-Dichloropropane	ug/L (ppb)	50	101	104	82-109	3
Bromodichloromethane	ug/L (ppb)	50	103	100	76-120	3
Dibromomethane	ug/L (ppb)	50	106	109	80-110	3
4-Methyl-2-pentanone	ug/L (ppb)	250	124	131	69-142	6
cis-1,3-Dichloropropene	ug/L (ppb)	50	111	116	76-128	4
Toluene	ug/L (ppb)	50	93	92	83-108	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	106	109	76-128	3
1,1,2-Trichloroethane	ug/L (ppb)	50	101	101	82-110	3
2-Hexanone	ug/L (ppb)	250	109	114	63-145	4
1,3-Dichloropropane	ug/L (ppb)	50	98	102	83-110	4
Tetrachloroethene	ug/L (ppb)	50	86	84	78-100	2
Dibromochloromethane	ug/L (ppb)	50	97	100	63-140	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	99	103	85-113	4
Chlorobenzene	ug/L (ppb)	50	95	96	84-108	1
Ethylbenzene	ug/L (ppb)	50	88	86	84-110	2
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	101	101	78-125	0
m,p-Xylene	ug/L (ppb)	100	89	88	84-112	1
o-Xylene	ug/L (ppb)	50	92	92	82-113	0
Styrene	ug/L (ppb)	50	94	95	84-116	1
Isopropylbenzene	ug/L (ppb)	50	91	89	81-122	2
Bromoform	ug/L (ppb)	50	98	101	40-161	3
n-Propylbenzene	ug/L (ppb)	50	89	86	81-115	3
Bromobenzene	ug/L (ppb)	50	92	91	80-113	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	91	90	83-117	1
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	95	96	78-118	1
1,2,3-Trichloropropane	ug/L (ppb)	50	91	92	74-118	1
2-Chlorotoluene	ug/L (ppb)	50	85	84	79-112	1
4-Chlorotoluene	ug/L (ppb)	50	87	86	81-113	1
tert-Butylbenzene	ug/L (ppb)	50	90	88	81-119	2
1,2,4-Trimethylbenzene	ug/L (ppb)	50	94	92	83-116	2
sec-Butylbenzene	ug/L (ppb)	50	88	86	83-116	2
p-Isopropyltoluene	ug/L (ppb)	50	92	90	82-119	2
1,3-Dichlorobenzene	ug/L (ppb)	50	92	92	83-111	0
1,4-Dichlorobenzene	ug/L (ppb)	50	91	91	82-109	0
1,2-Dichlorobenzene	ug/L (ppb)	50	94	95	83-111	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	115	110	62-133	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	108	112	77-117	4
Hexachlorobutadiene	ug/L (ppb)	50	105	107	74-118	2
Naphthalene	ug/L (ppb)	50	115	121	76-131	5
1,2,3-Trichlorobenzene	ug/L (ppb)	50	116 vo	122 vo	82-115	5

Data Qualifiers & Definitions

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

A1 – More than one compound of similar molecule structure was identified with equal probability.

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

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

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

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

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

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

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

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

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

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

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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

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

312348

SAMPLE CHAIN OF CUSTODY

ME 12/20/13 VS3/D04/VS

Send Report To: Lannie Smith
Company: AESI
Address: 1552 Commerce St. Suite 102
City, State, ZIP: Tacoma WA 98402
Phone # (253) 722-2992 Fax # (253) 722-2993

SAMPLERS (signature): Emily Cressman
PROJECT NAME/NO.: TV130309B
PO#:

REMARKS: * silica gel on all * - per LS 12/20/13
*- Follow-up any HCID detections MC

Page # 1 of 1

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	HCID						Notes
EB1 2.5-3.5'	01 A-E	12/19/13	0758	soil	5			X				X						X - per LS 12/20/13 ME
EB1 GW	02		0800	water	5		X	X										
EB1 4-5'	03		0810	soil	5													*- per EC 12/20/13 MC
EB1 9.5-10'	04		0815	soil	5			X				X						
EB2 4-5'	05		0835	soil	5													
EB2 6-7'	06		0840	soil	5													
EB2 GW	07		0840	water	5		X	X										
EB2 8.5'	08		0845	soil	1			X				X						
EB2 9.5-10'	09 A-D		0845	soil	4													
EB3 4-5'	10 A-E	↓	0930	soil	5			X				X						Samples received at 1 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Emily Cressman	Emily Cressman	AESI	12/20/13	0900
Received by: [signature]	Ken Dawson	Postal Exp	12-20-13	0900
Relinquished by:				
Received by: [signature]	Nhan Phan	F&BI	12/20/13	1000

312348

SAMPLE CHAIN OF CUSTODY

ME 12/20/13 VS3/B04/VS

Send Report To Tammie Smith

Company AESI

Address

City, State, ZIP Tacoma WA 98402

Phone # Fax #

SAMPLERS (Signature) Emily Cressman

PROJECT NAME/NO. TVB05097B

PO#

REMARKS

Page # 2 of 6

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Total Pb						Notes
EB3 GW	11 A-E	12/17/13	0935	water	5	X	X	X										
EB3 9-10'	12		0940	soil	5													
EB3 6-7'	13		0944	soil	5													
EB3 8-9'	14		0953	soil	1													
EB3 7-7.5	15		0955	soil	1													
EB4 2.5-3.5	16 A-E		1010	soil	5													
EB4 GW	17		1015	water	5	X	X	X										
EB4 3.5-4'	18		1017	soil	5													
EB4 4-5'	19		1025	soil	5	X	X	X				X						
EB4 6.5-7.5'	20	↓	1031	soil	5	X	X	X										Samples received at 4 °C

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Seattle, WA 98119-2029
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Fax (206) 283-5044
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SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Emily Cressman	Emily Cressman	AESI	12/20/13	0900
Received by: [signature]	Ken Dawson	Postal Express	12-20-13	9:00 am
Relinquished by:				
Received by: [signature]	Nhan Phan	FeBI	12/20/13	1000

812348

SAMPLE CHAIN OF CUSTODY ME 12/20/13

VS3/D04/V.

Page # 3 of 6

Send Report To Lannie Smith

Company AESI

Address

City, State, ZIP Tacoma WA 98402

Phone #________ Fax #________

SAMPLERS (signature) Emily Cressman

PROJECT NAME/NO. TV130509B

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Total Pb						Notes
EB4 8-9'	21 A-E	12/19/13	1030	soil	5													
EB4 9-10'	22	↓	1045	soil	5													
EB5 3-4'	23		1107	soil	5													
EB5 4-5'	24		1111	soil	5	X	X	X										
EB5 5.5-6.5'	25		1116	soil	5	X	X	X				X						
EB5 6.5-7.5'	26		1120	soil	5	X	X	X										
EB5 9-10'	27		1125	soil	5			X										
EB5 GW	28		1130	water	5	X	X		X									
EB6 3-4'	29		1205	soil	5													
EB6 4-5'	30	↓	1210	soil	5								Samples received at 1 °C					

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044
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SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Emily Cressman	Emily Cressman	AESI	12/20/13	0900
Received by: [signature]	Ken Dawson	Postal Exp	12-20-13	0900
Relinquished by:				
Received by: [signature]	Nhan Phan	FeBI	12/20/13	1000

312348

SAMPLE CHAIN OF CUSTODY MG 12/20/13

4 VS3/QA1/VB

Page # 4 of 6

Send Report To Lannie Smith
Company AESI
Address
City, State, ZIP Tacoma WA 98402
Phone # Fax #

SAMPLERS (signature) Emily Cressman
PROJECT NAME/NO. TV130509B
PO#
REMARKS

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Total Pb						Notes
EB16 6-7'	31A-E	12/19/13	1223	soil	5													
EB16 7-7.5'	32		1227	soil	5	X	X	X				X						
EB16 7.5-8'	33		1231	soil	5													
EB16 9.5-10'	34		1234	soil	5	X	X	X										
EB16 10-11'	35		1238	soil	5			X										
EB16 GW	36		1244	Water	5	X	X		X									
EB7 3.5-4'	37		1314	soil	5													
EB7 4.5'	38		1318	soil	5													
EB7 5.5-6'	39A-B		1321	soil	2	X	X	X										
EB7 GW	40A-E		1325	Water	5	X	X		X									

Samples received at 1 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Emily Cressman	Emily Cressman	AESI	12/20/13	0900
Received by: [signature]	Nhan Phan	FEBT	12/20/13	1000
Relinquished by:				
Received by:				

312348

SAMPLE CHAIN OF CUSTODY

ME 12/20/13 VS3/D04/05

Page # 5 of 6

Send Report To Lannie Smith

Company AESI

Address

City, State, ZIP Tacoma WA 98402

Phone # Fax #

SAMPLERS (signature) Emily Crissman

PROJECT NAME/NO. TVB050913

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH

Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HC ID	Notes
ANALYSES REQUESTED													
EB8 4-5'	41 A-E	12/19/13	1414	soil	5			X				X	
EB8 8-9'	42		1417	soil	5			X				X	
EB8 9-10'	43		1421	soil	5								
EB8 GW	44		1425	water	5	[illegible]	X	X					
EB7 3-4'	45		1516	soil	5		X	X					
EB9 4.5-5'	46		1520	soil	5								
EB9 5.5-6.5'	47		1525	soil	5								
EB9 7-7.5'	48		1530	soil	5								
EB9 7.5-8'	49		1533	soil	5								
EB9 9-10'	50		1536	soil	5								Samples received at 1 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Emily Crissman	Emily Crissman	AESI	12/20/13	0900
Received by: [signature]	Ken Dawson	Postal Express	12-20-13	0900
Relinquished by:				
Received by: [signature]	Nhan Phan	FeBI	12/20/13	1000

FORMS\COC\COC.DOC

312348

SAMPLE CHAIN OF CUSTODY

HE 12/20/13 VS3/DP4/VS

Send Report To Lannie Smith
Company AESI
Address
City, State, ZIP Tacoma WA 98402
Phone # Fax #

SAMPLERS (signature) Emily Creasman
PROJECT NAME/NO. TM18080913
PO#
REMARKS

Page # 1 of 1

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS							Notes
EB 9 2-3'	51	12/19/13	1540	Soil	5													
EB 10 4-4.5'	52		1621	Soil	5	X	X	X										
EB 10 7.5-8.5'	53		1624	Soil	5													
EB 10 9-10'	54		1628	Soil	5													
EB 10 GW	55		1626	Water	5	X	X	X										
EB9-GW	52A	12/19/13	1545	Water	5		X	X										ADD 12/20/13 Added at lab

Samples shelved at

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044
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	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Emily Creasman	Emily Creasman	AESI	12/20/13	0900
Received by:		Ken Davran	Postal Express	12/20/13	0900
Relinquished by:					
Received by:		Nhan Phan	FEBT	12/20/13	1000

APPENDIX B

Exploration Logs

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
TV130509B	EB-1	1 of 1

Project Name: Freddie's Casino
Location: Fife, WA
Driller/Equipment: ESN / Direct Push / Geoprobe
Hammer Weight/Drop: N/A

Ground Surface Elevation (ft):
Datum: N/A
Date Start/Finish: 12/19/13,12/19/13
Hole Diameter (in): 2 inches

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Alluvium					
				Slightly moist, brown, fine to medium silty SAND, few fine gravel; no odor (SM). EB1-2.5-3.5 PID = 0.0 ppm					
5				Becomes fine to medium silty SAND, with fine to coarse gravel; no odor (SM). EB1-4-5 PID = 0.0 ppm					
				Slightly moist, brown, fine to coarse silty SAND, few fine to coarse gravel; no odor (SM). EB1-9.5-10 PID = 0.1 ppm					
10				Bottom of exploration boring at 10 feet. Backfilled with bentonite.					
15									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: ESC
Approved by:

AESBOR 130509B.GPJ January 10, 2014

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
TV130509B	EB-2	1 of 1

Project Name	Freddie's Casino	Ground Surface Elevation (ft)	
Location	Fife, WA	Datum	N/A
Driller/Equipment	ESN / Direct Push / Geoprobe	Date Start/Finish	12/19/13,12/19/13
Hammer Weight/Drop	N/A	Hole Diameter (in)	2 inches

Depth (ft)	S T	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot 10 20 30 40	Other Tests
				Alluvium					
				Slightly moist, brown, fine to medium silty SAND, few fine gravel; no odor (SM). PID = 0.1 ppm					
				Slightly moist, blue and gray, fine to medium SAND, little fine to coarse gravel; slight organic odor (SW). PID = 0.1 ppm					
5				Grades to moist. EB2-4-5 PID = 0.1 ppm					
				Moist, gray, fine to coarse sandy SILT, trace fine gravel (ML). EB2-6-7 PID = 0.1 ppm		▼			
				Grades to very moist, brown, fine SILT; organic odor (ML).					
				EB2-8.5 PID = 0.1 ppm					
				Moist, dark brown, fine to medium SAND; organic odor (SP). EB2-9.5-10 PID = 0.1 ppm					
10				Bottom of exploration boring at 10 feet					
15									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- ▽ Water Level ()
- ▼ Water Level at time of drilling (ATD)

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Approved by:

AESIBOR 130509B.GPJ January 20, 2014

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
TV130509B	EB-3	1 of 1

Project Name: Freddie's Casing
Location: Fife, WA
Driller/Equipment: ESN / Direct Push / Geoprobe
Hammer Weight/Drop: N/A

Ground Surface Elevation (ft): ____
Datum: N/A
Date Start/Finish: 12/19/13,12/19/13
Hole Diameter (in): 2 inches

Depth (ft)	USCS	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Alluvium					
				Slightly moist, gray and blue, fine to coarse silty SAND, few fine to medium gravel; organic odor (SM). PID = 0.4 ppm					
				Slightly moist, brown, fine SILT; organic odor (ML). EB3-4-5 PID = 0.4 ppm					
5				PID = 0.4 ppm Very moist, brown, fine to medium sand, SILT; organic odor (ML) PID = 0.1 ppm					
				EB3-6-7 PID = 0.1 ppm		▼			
				Very moist, brown, fine silty SAND; organic odor (SM). EB3-7-7.5 PID = 0.1 ppm					
				Very moist, brown, fine SILT; organic odor (ML). PID = 0.1 ppm EB3-8-9 PID = 0.1 ppm					
10				EB3-9-10 PID = 0.1 ppm					
				Bottom of exploration boring at 10 feet Backfilled with bentonite.					
15									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: ESC
Approved by:

AESI8OR 130509B.GPJ January 10, 2014

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
TV130509B	EB-4	1 of 1

Project Name: Freddie's Casino
Location: Fife, WA
Driller/Equipment: ESN / Direct Push / Geoprobe
Hammer Weight/Drop: N/A

Ground Surface Elevation (ft): ____
Datum: N/A
Date Start/Finish: 12/19/13,12/19/13
Hole Diameter (in): 2 inches

Depth (ft)	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
			Alluvium					
			Slightly moist, gray and blue, fine to coarse silty SAND, few fine to coarse gravel; petroleum odor (SM). EB4-2.5-3 PID = 4.9 ppm					
			Slightly moist, dark brown, fine SILT; petroleum odor (ML). EB4-3.5-4 PID = 84.3 ppm		▼			
			Moist, dark brown, fine SILT (ML). EB4-4-5 PID = 86.9 ppm					
5			Very moist, brown, fine sandy SILT; petroleum odor (SW). PID = 5.2 ppm					
			Grades to moist; slight petroleum odor. EB4-6.5-7.5 PID = 0.5 ppm					
			Organic odor. EB4-8-9 PID = 0.5 ppm					
10			Organic odor. EB4-9-10 PID = 0.6 ppm					
			Bottom of exploration boring at 10 feet Ground water has slight sheen. Backfilled with bentonite.					
15								

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- ▽ Water Level ()
- ▼ Water Level at time of drilling (ATD)

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Approved by:

AESBOR 130509B.GPJ January 10, 2014

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
TV130509B	EB-5	1 of 1

Project Name: Freddie's Casino
Location: Fife, WA
Driller/Equipment: ESN / Direct Push / Geoprobe
Hammer Weight/Drop: N/A

Ground Surface Elevation (ft):
Datum: N/A
Date Start/Finish: 12/19/13,12/19/13
Hole Diameter (in): 2 inches

Depth (ft)	S T	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Alluvium					
				Slightly moist, gray and blue, fine to coarse silty SAND, few fine to coarse gravel; petroleum odor (SM). PID = 6.2 ppm EB5-3-4 PID = 11.1 ppm					
				Slightly moist, brown, fine SILT; petroleum odor (ML). EB5-4-5 PID = 138 ppm		▼			
5				Very moist, brown, fine sandy SILT; petroleum odor (ML). EB5-5.5-6.5 PID = 184 ppm					
				Organic odor. EB5-6.5-7.5 PID = 3.4 ppm PID = 4.1 ppm Organic odor.					
				PID = 0.7 ppm Moist, brown, fine SILT; organic odor (ML). EB5-9-10 PID = 0.7 ppm					
10				Bottom of exploration boring at 10 feet Backfilled with bentonite.					
15									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
▽ Water Level ()
▼ Water Level at time of drilling (ATD)

Logged by: ESC
Approved by:

Associated Earth Sciences, Inc.	Exploration Log		
	Project Number TV130509B	Exploration Number EB-6	Sheet 1 of 1

Project Name	Freddie's Casino	Ground Surface Elevation (ft)	
Location	Fife, WA	Datum	N/A
Driller/Equipment	ESN / Direct Push / Geoprobe	Date Start/Finish	12/19/13,12/19/13
Hammer Weight/Drop	N/A	Hole Diameter (in)	2 inches

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot 10 20 30 40	Other Tests
				Alluvium					
				Slightly moist, brown, fine to coarse silty SAND, little fine to coarse gravel; slight petroleum odor (SM). EB6-3-4 PID = 3.9 ppm					
				Grades to brown.					
5				Grades to blue and gray. EB6-4-5 PID = 1.2 ppm		▼			
				Slightly moist, bray and blue, fine to medium silty SAND, few fine to coarse gravel; petroleum odor (SM). EB6-6-7 PID = 103 ppm					
				EB6-7-7.5 PID = 43.8 ppm					
				Moist, brown, fine SILT; petroleum odor (ML). EB6-7.5-8 PID = 5.5 ppm					
				Organic odor.					
				PID = 12.2 ppm					
10				EB6-9.5-10 PID = 5.8 ppm Wet, dark brown, fine SILT; slight petroleum odor (ML) EB6-10-11 PID = 0.6 ppm					
15				Bottom of exploration boring at 15 feet Standing water in 10 to 15 foot sleeve has sheen. Backfilled with bentonite.					

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture

▽ Water Level ()

▼ Water Level at time of drilling (ATD)

Logged by: ESC

Approved by:

AESIBOR 130509B.GPJ January 10, 2014

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
TV130509B	EB-7	1 of 1

Project Name: Freddie's Casino
Location: Fife, WA
Driller/Equipment: ESN / Direct Push / Geoprobe
Hammer Weight/Drop: N/A

Ground Surface Elevation (ft):
Datum: N/A
Date Start/Finish: 12/19/13,12/19/13
Hole Diameter (in): 2 inches

Depth (ft)	HS	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Alluvium					
				Slightly moist, brown, fine to coarse silty SAND, few fine gravel; no odor (SM). EB7-3.5-4 PID = 2.5 ppm EB7-4-5 PID = 1.9 ppm					
5				Slightly moist, gray, fine SILT; slight petroleum odor (ML). EB7-5.5-6 PID = 2.5 ppm		▼			
10				Bottom of exploration boring at 10 feet Water has a slight sheen. Backfilled with bentonite.					
15									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: ESC
Approved by:

AESIBOR 130509B.GPJ January 20, 2014

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
TV130509B	EB-8	1 of 1

Project Name: Freddie's Casino
Location: Fife, WA
Driller/Equipment: ESN / Direct Push / Geoprobe
Hammer Weight/Drop: N/A

Ground Surface Elevation (ft):
Datum: N/A
Date Start/Finish: 12/19/13,12/19/13
Hole Diameter (in): 2 inches

Depth (ft)	USCS	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Alluvium					
				Slightly moist, brown, fine to coarse silty SAND; no odor (SM). PID = 0.0 ppm EB8-4-5 PID = 0.0 ppm					
5						▼			
				Moist, dark brown, fine SILT; organic odor (ML). EB8-8-9 PID = 0.0 ppm					
				Becomes slightly moist. PID = 0.0 ppm EB8-9-10 PID = 0.0 ppm					
10				Bottom of exploration boring at 10 feet Backfilled with bentonite.					
15									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: ESC
Approved by:

AESNDOR 130509B.GPJ January 10, 2014

Associated Earth Sciences, Inc.	Exploration Log		
	Project Number TV130509B	Exploration Number EB-9	Sheet 1 of 1

Project Name	Freddie's Casino	Ground Surface Elevation (ft)	
Location	Fife, WA	Datum	N/A
Driller/Equipment	ESN / Direct Push / Geoprobe	Date Start/Finish	12/19/13,12/19/13
Hammer Weight/Drop	N/A	Hole Diameter (in)	2 inches

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot 10 20 30 40	Other Tests
				Alluvium					
				Slightly moist, brown, fine to medium silty SAND, trace fine gravel; no odor (SM).					
				EB9-2-3 PID = 0.0 ppm					
				Slightly moist, gray and blue, fine to coarse silty SAND, little fine gravel; petroleum odor (SM).					
				EB9-3-4 PID = 0.4 ppm					
				PID = 0.0 ppm					
				Slightly moist, dark brown, fine SILT; organic odor (ML).					
5				EB9-4.5-5 PID = 0.0 ppm		▼			
				Slightly moist, gray, fine SILT; organic odor (ML).					
				EB9-5.5-6.5 PID = 0.0 ppm					
				Becomes moist.					
				PID = 0.0 ppm					
				EB9-7-7.5 PID = 0.0 ppm					
				Very moist, dark brown, fine SAND; organic odor (SW).					
				EB9-7.5-8 PID = 0.0 ppm					
				Slightly moist, brown, fine SILT; organic odor (ML).					
				EB9-9-10 PID = 0.0 ppm					
10				Organic odor.					
				Bottom of exploration boring at 10 feet					
				Backfilled with bentonite.					
15									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture

- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: ESC

Approved by:

AESBOR 130509B.GPJ January 10, 2014

Associated Earth Sciences, Inc.	Exploration Log		
	Project Number TV130509B	Exploration Number EB-10	Sheet 1 of 1

Project Name: Freddie's Casino
Location: Fife, WA
Driller/Equipment: ESN / Direct Push / Geoprobe
Hammer Weight/Drop: N/A

Ground Surface Elevation (ft):
Datum: N/A
Date Start/Finish: 12/19/13,12/19/13
Hole Diameter (in): 2 inches

Depth (ft)	USCS	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Alluvium					
				Slightly moist, gray and blue, fine to medium silty SAND, few fine gravel; slight petroleum odor (SM).					
				EB10-4-4.5 PID = 20.0 ppm					
5				PID = 12.0 ppm		▼			
				Slightly moist, gray, fine SILT; no odor (ML).					
				EB10-7.5-8.5 PID = 0.0 ppm					
				PID = 0.0 ppm					
				EB10-9-10 PID = 0.0 ppm					
10				Bottom of exploration boring at 10 feet Backfilled with bentonite.					
15									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
▽ Water Level ()
▼ Water Level at time of drilling (ATD)

Logged by: ESC
Approved by:

AESBOR 1305098.GPJ January 20, 2014

2026

Post-it® Fax Note 7671	Date 10/6/00	# of pages ▸ 4
To Einar Gundersen	From David Dinkum	
Co./Dept. Amer. Eng.	Co. Krazan	
Phone #	Phone #	
Fax #	Fax #	

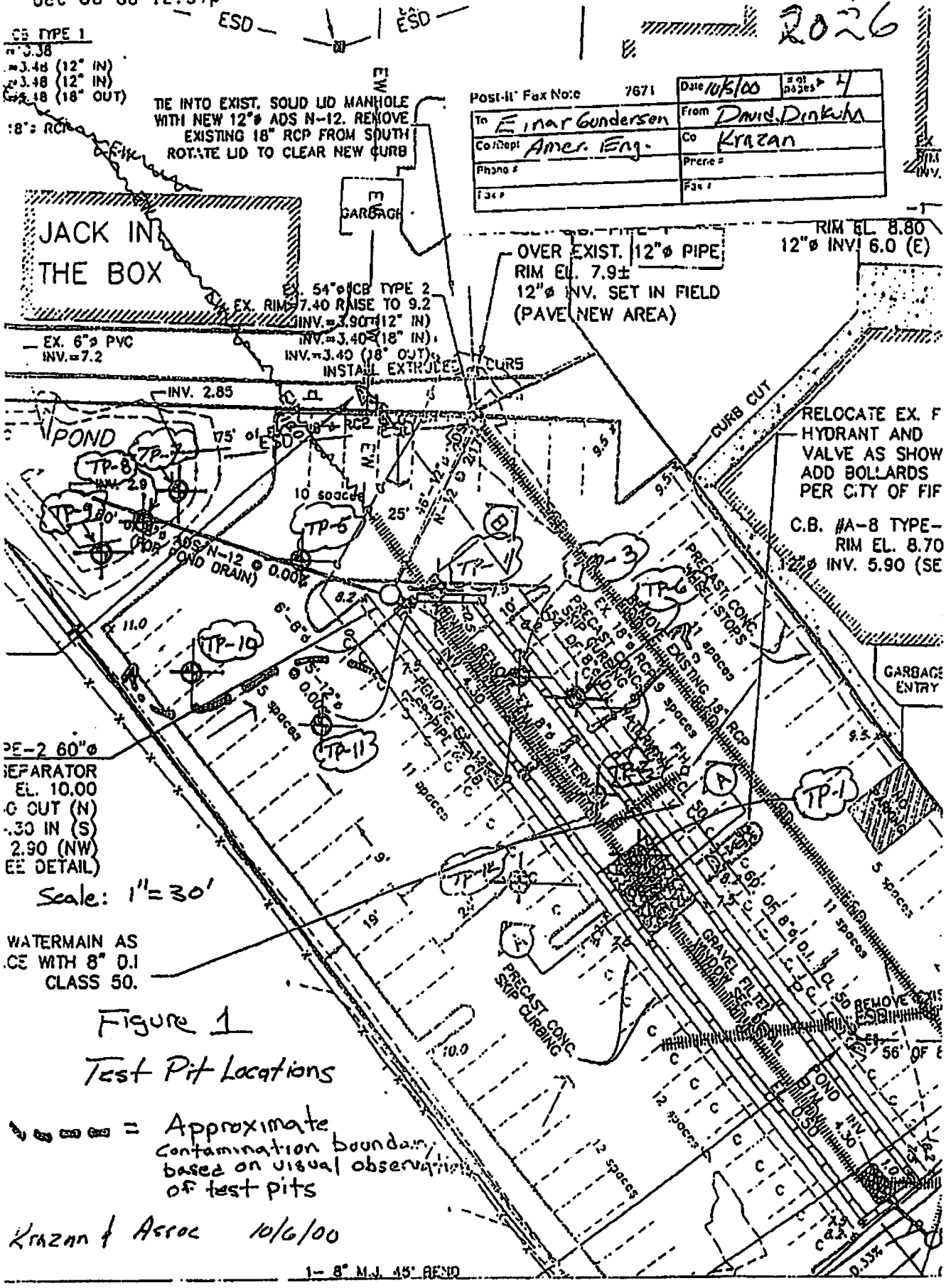

Figure 1

Test Pit Locations

= Approximate Contamination boundary based on visual observation of test pits

Krazan & Assoc 10/6/00

Freddies Club Casino
Krazan / Associates

DLD 10/6/00 1/3
066-00148

Test Pit Logs

TP-1:	0'-3'	Gray sandy gravel; no odor
	3'-6'	Gray, clayey silt; no odor, no
	Bop@6'	groundwater observed.
TP-2:	0'-4'	Sandy gravel; no odor
	4'-8'	Brown clayey silt; no odor, groundwater
	Bop@8'	seepage observed from 6' to 7' in depth.
TP-3:	0'-8'	Gray, sandy gravel; strong gasoline odor,
	Bop@8'	no groundwater observed, heavy caving to 6'.
TP-4:	0'-10'	Gray, sandy gravel; strong gasoline
	Bop@10'	odor throughout, no groundwater observed due to heavy caving to 6', soil from bottom of pit appeared wet.
TP-5:	0'-3'	Gray, sandy gravel; strong gas odor
	3'-5'	Brown, silty sand; strong gas odor,
	Bop@5'	no groundwater observed.
TP-6:	0'-4'	Gray/brown, sandy gravel; moderate gas odor
	4'-5'	Brown silty sand; mild gas odor, no
	Bop@5'	ground water observed.

2/3

TP-7:	0'-4'	Gray, silty sand, strong gas odor
	Bop@4'	to 3', becomes slight odor at 4',
		no ground water observed
TP-8:	0'-3'	Gray, sandy silt; strong gas odor
		to 2', mild odor to 3'
	3'-3.5'	Gray, fine to med. sand; slight gas odor,
	Bop@3.5'	groundwater seeping in from 3' (Sheen)
TP-9:	0'-1'	Gray silt; med. gas odor
	1'-3'	Gray, clayey silt, slight gas odor
	3'-4'	Gray, medium sand, no gas odor,
	Bop@4'	groundwater seeping in from 3' (sheen)
TP-10	0'-3'	Brown sandy gravel; no odor
	3'-4'	Gray sandy gravel; slight gas odor
	4'-12'	Gray, fine sandy silt; slight to no
	Bop@12'	gas odor, after sitting open ~1 hour,
		slight wetting of side wall observed at
		10'
TP-11:	0-3'	Brown sandy gravel; no odor
	3'-4'	Gray sandy gravel; no odor
	4'-8'	Gray, fine sandy silt no odor
	8'-10'	Gray, fine to med sand; no odor,
	Bop@10'	groundwater observed at 8.5' (no sheen)

3/3

TP-12: 0'-3' Brown sandy gravel; no odor
3'-4' Gray sandy gravel; no odor
4'-9' Gray, fine sandy silt; no odor
9'-10' Gray, fine to med. sand; no odor,
Bop@10' no groundwater observed but sand @ bottom appeared wet.