PBS | Engineering + Environmental

Fuel Release – Response and Remedial Action Report

Washington State Fire Training Academy
Aircraft Rescue Firefighting Prop
50810 SE Grouse Ridge Road
North Bend, Washington

Prepared for:
Mr. Phil Timpke
State of Washington – Department of Enterprise Services
PO Box 41012
Olympia, WA 98504

December 30, 2013
Project No. 40535.170

2517 Eastlake Avenue East, Suite 100, Seattle, WA 98102
206.233.9639 Main
866.727.0140 Fax
www.pbsenv.com

Bend | Boise | Coquille | Eugene | Portland | Seattle | Tri-Cities | Vancouver

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1
1.0 INTRODUCTION 2
2.0 BACKGROUND 2
2.1 Site Location and Topography 2
2.2 Fuel Release and Response 2
2.3 Geology and Hydrogeology 2
3.0 CLEANUP ACTION PLAN 3
4.0 EXCAVATION ACTIVITIES 3
4.1 Initial Site Assessment 3
4.2 Soil Excavation 4
4.3 Waste Disposal 5
4.4 Excavation Backfill 5
5.0 SOIL SAMPLING AND RESULTS 5
5.1 Sample Collection Methods 5
5.2 Sampling Results 6
5.3 Discussion 6
5.3.1 Surface Sampling of Contaminated Soil 6
5.3.2 Confirmation Sample Exceedance 6
5.3.3 Area A 7
6.0 REGULATORY CRITERIA 7
6.1 MTCA Level A Soil Cleanup Limits 7
7.0 CONCLUSIONS AND RECOMMENDATIONS 7
8.0 LIMITATIONS 8

TAB 1 - FIGURES
Figure 1 – Vicinity Map
Figure 2 – Aerial View
Figure 3 – Spill Areas
Figure 4 – Area A
Figure 5 – Areas B-H

TAB 2 - TABLES
Table 1 – Area A Soil Analytical Results
Table 2 – Area B Soil Analytical Results
Table 3 – Area C Soil Analytical Results
Table 4 – Area D Soil Analytical Results
Table 5 – Area E Soil Analytical Results
Table 6 – Area F Soil Analytical Results
Table 7 – Area G Soil Analytical Results
Table 8 – Area H Soil Analytical Results

APPENDICES
Appendix A – Site Photographs
Appendix B – Soil Disposal Receipts
Appendix C – Laboratory Reports
Appendix D – MTCA Regulatory Standards

EXECUTIVE SUMMARY

A release of aviation fuel was reported on Friday, October 25, 2013 during a training exercise at the Aircraft Rescue Firefighting Prop (ARFF) area at the State of Washington Fire Training Academy (FTA) facility located at 50810 Grouse Ridge Road, North Bend, Washington. Fuel had reportedly entered the recycled water reservoir and was drawn through the water lines and released in the area surrounding the ARFF and near two fire hydrants servicing this area.

FTA had responded by placing absorbent pads in areas of pooled petroleum (primarily around the fire hydrants), and had a vacuum truck remove pooled liquid on Sunday, October 27, 2013. The release incident was reported to the Washington Department of Ecology on October 25, 2013. At the request of Washington State Department of Enterprise Services and the Washington State Patrol, PBS Engineering and Environmental Inc. (PBS) was on-site October 26, 2013 to conduct an initial inspection of the release area. PBS performed site reconnaissance, emergency cleanup action, regulatory correspondence and confirmation soil sample collection and analysis from the impacted areas. IO Environmental and Infrastructure, Inc. provided the excavation, waste transport, and site restoration services.

The excavation and removal of petroleum-contaminated soil (PCS) was the remedial approach selected to mitigate potential surface runoff of petroleum residue and to meet Ecology's MTCA Level A Unrestricted Soil Cleanup standards. The remediation of soil contamination was also intended to eliminate; 1) the potential for migration of contaminants into deeper subsurface soil and potentially groundwater, and 2) the potential for site occupant exposure to contaminated soil at the surface.

With regard to the response and remedial action to the fuel release at the FTA, PBS presents the following conclusions:

- The release of fuel to surface soil in the vicinity of the ARFF appears to have impacted several areas, mostly bordering the concrete containment of the prop itself and also near the northern and eastern fire hydrant locations. For organizational purposes the impacted soil was designated as separate Spill Areas A through H.
- The contaminated soil material has been removed and transported for off-site disposal with completion on November 8, 2013. Approximately 2,761 tons of PCS were removed and transported under permit to the Waste Management transfer facility in Seattle for disposal.
- Based on site observations and analytical results, the PCS in Spill Areas B through H has been remediated or delineated to meet acceptable Ecology MTCA Method A soil cleanup standards. Clean fill has been imported and the areas restored to grade.
- Since contamination has been removed, potential for contamination contact with surface runoff or runoff to storm drain basins has been sufficiently eliminated.
- Field indications and laboratory analysis confirmed that impacted soil in Area A extends at least 5 to 10 feet bgs. Surface discharges from the hoses or fire truck, in Area A may be the cause of the deeper infiltration of the released fuel.

PBS presents the following recommendations:

- With regard to the October 25, 2013 surface release of fuel at the FTA, no further investigation or remediation in Spill Areas B through H is recommended at this time.
- Conduct a subsurface investigation at Area A to define the extent and magnitude of identified petroleum hydrocarbon impact.
- Submit a copy of this report to Ms. Jeanne Tran, Water Quality Program Engineer with the Washington Department of Ecology – Northwest Regional Office in Bellevue, Washington.

1.0 INTRODUCTION

At the request of Washington State Department of Enterprise Services (DES) and the Washington State Patrol (WSP), PBS Engineering and Environmental Inc. (PBS) has performed site reconnaissance, emergency cleanup action, regulatory correspondence and confirmation soil sample collection and analysis from the impacted areas at the Aircraft Rescue Firefighting Prop (ARFF) at the Washington State Fire Training Academy (FTA) facility located at 50810 Grouse Ridge Road, North Bend, Washington.

The remediation performed meets the definition of a “cleanup action,” as defined by the Model Toxics Control Act (MTCA), WAC 173-340-200. This report has been prepared for submission to the Washington State Department of Ecology (Ecology).

2.0 BACKGROUND

2.1 Site Location and Topography

The subject property is located approximately six miles east-southeast of North Bend, north of the Interstate Highway 90 (I-90) eastern approach to Snoqualmie Pass (Refer to Figure 1 Vicinity Map). The site is located in a mountainous, forested region, with a steep, upward slope to the northeast and a general slope to the southeast. The facility is utilized for various fire training exercises; temporary housing and administrative offices (Refer to Figure 2 Aerial View).

Site Address:	50810 Grouse Ridge Road, North Bend, WA 98045
Primary Parcel No:	King County Assessor ID 282309-9023
Township, Range, Section:	T23N, R09E, portions of sections 20-22, 27-29 Willamette Base and Meridian
Current Use:	Government Service

2.2 Fuel Release and Response

A release of aviation fuel was reported on Friday, October 25, 2013 during a training exercise at the FTA facility. Fuel had reportedly entered the recycled water reservoir and was released in the area surrounding the ARFF and near two fire hydrants servicing this area. PBS was on-site October 26, 2013 to conduct an initial inspection of the release area. FTA had responded by placing absorbent pads in areas of pooled petroleum (primarily around the fire hydrants), and had a vacuum truck remove pooled liquid on Sunday, October 27, 2013. The release incident was reported to the Washington Department of Ecology on October 26, 2013.

2.3 Geology and Hydrogeology

The subject property is located near the border of the Central Cascades and Northern Cascades Physiographic Regions of Washington. Regional mountains and bedrock are composed of Tertiary period aged intrusive volcanic rocks. Unconsolidated sediments in the area of the subject property comprise Pleistocene epoch alpine glacial drift deposits, composed of sand and gravel and mixed silt and sand till.

Based on excavation activities at the site, soil is generally described as dense, gray and brown sandy gravels.

The nearest surface water to the site are small tributaries which flow in a southeasterly direction towards the south fork of the Snoqualmie River, located approximately 1.5 miles to the southeast.

Based on nearby groundwater well logs, regional groundwater is expected to exist approximately 120 feet below ground surface (bgs). However, the estimation is not considered accurate due to varied terrain and elevations. It is unknown whether or not a shallower water table elevation exists on site.

3.0 CLEANUP ACTION PLAN

The petroleum-contaminated soil (PCS) removal action was designed to mitigate potential surface runoff of petroleum residue and to remove PCS to meet Ecology's MTCA Level A Unrestricted Soil Cleanup standards. The remediation of soil contamination was also intended to eliminate; 1) the potential for migration of contaminants into deeper subsurface soil and potentially groundwater, and 2) the potential for site occupant exposure to contaminated soil at the surface.

The work plan for remediation of the contaminated soil included the following actions. A description of these activities is presented in the section below:

- Perform initial site assessment to evaluate the degree and extent of the release impact area.
- Provide oversight of excavation activities to remove and dispose of PCS above MTCA Method A levels;
- Coordinate and subcontract the Remediation Contractor to obtain necessary permits, and conduct soil excavation, hauling, and disposal. Contractor will provide erosion control measures and protective absorbent pads at potential runoff locations.
- The Contractor will provide, place and compact clean fill (gravel) material back into the excavation to match the surrounding grade.
- The work plan assumed that excavated PCS will be suitable for disposable as a non-hazardous PCS waste through approved waste disposal or landfill facility.
- Collect and analyze confirmation samples from excavation areas.
- Prepare a report of findings including; observations, site plans, tabulated analytical results, conclusion and recommendations.

4.0 EXCAVATION ACTIVITIES

4.1 Initial Site Assessment

PBS was on site Saturday, October 26, 2013, the day after the initial release. PBS noted that absorbent pads were placed in areas of pooled liquid and in the vicinity of drainage conduits. DES requested that PBS coordinate the cleanup action as necessary to remove and dispose of PCS resulting from the fuel release.

On October 28, 2013 PBS marked the extent of the spill areas with paint. At this time the horizontal extent of spill areas was clear due to dark staining of fuel residue on the surface. For organizational purposes the impacted soil was designated as separate Spill Areas A through H (Refer to Figure 3 Site Plan for the location of Spill Areas). The volume of PCS to be removed from the project Spill Areas was not defined at this time, as the depth of impacted soil was not known.

The "*Draft-Interim Removal Action Plan for Aviation Fuel Release Incident Fire Training Academy – 50810 SE Grouse Ridge Road, North Bend, Washington, PBS-October28, 2013,*" was prepared and submitted to Ms. Jeanne Tran, Washington Department of Ecology representative on October 29, 2013. Ms. Tran was on-site on October 29, 2013 to examine the spill area(s) and discuss the approach for cleanup of the spill.

4.2 Soil Excavation

Between October 29 and November 8, 2013, PBS was on-site to oversee the excavation and removal of PCS for off-site disposal, and to collect confirmation samples from the excavated areas. IO Environmental and Infrastructure (IOEI) Inc. was contracted by DES to perform excavation and transport of PCS.

Prior to excavation activities, PBS filed a public utilities notification request. On October 29, 2013 PBS supervised a private utility locates company (Applied Professional Services, APS) while they conducted clearance for subsurface obstructions in the outlined excavation areas.

Soil was field-screened during excavation work by visual, olfactory, and instrumental (MiniRae photoionization detector - PID) methods. The PID used by PBS detects volatile organic compounds (VOCs) at levels as low as 0.2 parts per million (ppm). This is a relative screening tool and does not provide actual concentration data or identify the type of VOC. Once soil was removed from the spill areas to a depth where field screening indicated there was no staining, petroleum odor or PID measurements exceeding ambient air readings, confirmation soil samples were collected. Petroleum impacted soil was generally found to extend approximately six inches to one foot bgs. Soil sampling methodology and analytical results are detailed in Section 6 of this report.

The excavated material consisted of sand and gravel, with some silty sand beneath the surface gravel layer. In areas where excavation reached depths of 3 feet bgs or greater, the material consisted of coarse sand, gravel and cobbles. No groundwater was encountered in the excavations.

The contaminated soil and gravel material was primarily contained within the top 12 inches of the surface across most of the spill area. Deeper infiltration of the fuel (up to 18 inches) into the soil occurred along the northwestern rim of the ARFF concrete pad (Area G), near the fire hydrant in Area B, and near the fire hydrant in Area A. The near surface distribution of contaminated materials are consistent with the source of the fuel originating from a spray hose or localized surface discharge from the fire truck or hydrant connections.

During excavation, the northwestern portion of Area A exhibited field evidence that fuel had infiltrated vertical down to depths of at least 6 to 10 feet below ground surface in discrete locations. The source of the deeper fuel infiltration may be attributed to the surface discharge from the fire pump truck and hoses in this area, and presence of surface pooled liquid that had been vacuumed following the release incident. Excavation of contaminated soil below 3 feet in Area A did not occur during the interim soil cleanup. The extent of the soil contamination is being further evaluated.

Soil was temporarily stockpiled within the excavation footprint of each Spill Area or directly loaded into trucks. Between October 31 and November 6, between 8 to 21 truck loads per day were transported off-site for disposal. By the end of November 6 excavation of impacted soil from each Spill Area was complete, with the exception of soil directly beneath the soil stockpiles. Soil stockpiles were covered with plastic sheeting, as heavy precipitation was forecasted for November 7.

On November 7 and 8 the remaining stockpiled PCS was loaded into trucks. PCS which remained in place beneath the soil stockpiles was excavated at this time, direct loaded for

transport, and confirmation samples were collected. PCS removal and off-site disposal is detailed in Section 5.3.

Heavy precipitation on the 7 and 8 resulted in the filling of the drainage ditch portion of Area B with site runoff water. No petroleum hydrocarbon odor or sheen was observed in the drainage ditch water.

4.3 Waste Disposal

Approximately 2,761 tons of PCS were removed from site and transported to the Waste Management transfer facility in Seattle for disposal. A summary of the PCS loads is presented below and the Waste Management soil disposal receipts are presented in Appendix B.

Date	Number of Loads	Estimated Quantity (tons)
10/31/2013	8	233.68
11/01/2013	12	359.46
11/04/2013	12	358.16
11/05/2013	14	459.59
11/06/2013	21	656.06
11/07/2013	15	472.02
11/08/2013	7	222.41
Totals	89 Loads	2,761.38

4.4 Excavation Backfill

Approximately 2,665 tons of crushed rock and ¾ inch minus gravel was imported and placed into the excavation following removal of the PCS. IOEI completed the backfill and compaction of the clean fill material on November 8, 2013.

5.0 SOIL SAMPLING AND RESULTS

5.1 Sample Collection Methods

Soil samples were collected using protocols specified in Washington Department of Ecology's *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*[1]. The following procedures were utilized at the property:

- PBS personnel field-screened observed soil for evidence of contamination.
- Samples were collected from undisturbed soil within the excavation directly into the laboratory-prepared sample containers. Sampling personnel wore a new pair of disposable latex-gloves for each sample.
- Samples were issued a project-specific identification number based on Spill Area. The location, time and depth of each sample was logged by PBS staff.
- When sampling for volatile compounds, samples were collected using the EPA Method 5035A sampling protocol. Each sample was placed into a 40-ml laboratory vial containing a pre-weighted methanol preservative. Vials were filled with approximately 5 grams of soil.
- Samples were placed into an ice chest to maintain a temperature near 4 degrees Celsius, and stored for the duration of sampling and transport to Advanced Analytical

[1] Washington State Department of Ecology (February 1991, revised April 2003). *Guidance for Site Checks and Site Assessment for Underground Storage Tanks*, Department of Ecology Underground Storage Tank Program. Publication # 90-52.

Laboratory in Bellevue, Washington, under chain-of-custody documentation. All samples were analyzed within one day of sample collection.

- Soil samples were submitted for analysis for diesel-range petroleum hydrocarbons by Method NWTPH-Dx. Selected additional analysis included gasoline-range petroleum hydrocarbons by method NWTPH-Gx, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021 and polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 (SIM).

5.2 Sampling Results

PBS collected a total of 68 soil samples during the excavation activities. The sample locations are presented in Figures 4 and 5. Analytical results from all analyzed samples are presented in Tables 1 through 8, by excavation areas. Laboratory reports and sample chain-of-custody forms are presented in Appendix C.

The majority of the confirmation samples were collected at 8 to 12 inches below the ground surface, and confirmed that petroleum contaminants levels were not detected or well below regulatory cleanup criteria. If analyzed soil samples did detect concentrations above the regulatory criteria, then additional excavation was performed and supplemental confirmation samples were collected, as described in section 6.3.2.

5.3 Discussion

5.3.1 Surface Sampling of Contaminated Soil

Three samples were collected from contaminated, near surface soils (A-I-1, B-1, D-1). The purpose of collecting these samples was to characterize the type and magnitude of the contamination. The impacted soil is characterized by elevated concentrations of diesel range petroleum hydrocarbons (TPH-Dx), ethylbenzene, xylenes and PAHs. Analyzed contaminated samples were predominantly impacted by TPH-Dx (10,000 – 57,000 ppm). As such, TPH-Dx was nominated as the indicator analyte for confirmation sampling.

Sample ID	Depth	NWTPH-Dx (mg/Kg)	Contaminants exceeding MTCA-A Soil Cleanup Level
A-I-1	0’-3”	57,000	Diesel range petroleum hydrocarbons, ethylbenzene, xylenes, benzo(a)pyrene, naphthalene, cPAHs
B-1	0’-1”	51,000	Diesel range petroleum hydrocarbons
D-1	0’-1”	10,000	Diesel range petroleum hydrocarbons

5.3.2 Confirmation Sample Exceedance

At two locations (B-6 and F-1) analysis of confirmation samples reported elevated contaminant concentrations, indicating the impact from the fuel spill extended deeper than one foot at these locations. Additional excavation in these spill areas was conducted and additional confirmation samples were collected.

- In Area B, in the vicinity of B-6, an additional six inch depth was excavated and sample B-22 was collected. Contaminants were not detected in the B-22 sample.
- In the northeast portion of Area F an additional six inches depth was excavated and sample F-3 was collected. Contaminants were not detected in the F-3 sample.

5.3.3 Area A

Field indications and laboratory analysis confirmed that impacted soil in Area A extends at least 5 to 10 feet bgs. Three test pits were excavated and vertical delineation was not achieved. The analyzed samples collected from depths of 3 to 10 feet bgs that indicated contamination levels above the regulatory criteria included (A-1, A-11 and TP#13).

Sample #	Depth	TPH-Dx (mg/Kg)
A-1	5'-0"	5,500
A-11	6'-6"	12,000
TP#3	3'-0"	6,800

The petroleum hydrocarbon impacted subsurface at Area A is considered anomalous in regard to the depth of impact observed in the other Spill Areas. Further subsurface investigations were conducted in December 2013 in Area A, and the findings will be presented under a separate report.

6.0 REGULATORY CRITERIA

6.1 MTCA Level A Soil Cleanup Limits

Petroleum hydrocarbons as THP-Dx, Ethylbenzene, Xylenes, and select PAHs were identified as the contaminants of concern. The MTCA Method A Soil Cleanup levels per MTCA Cleanup Regulation 173-340-900, Table 740-1, are the applicable cleanup standards. Direct comparison of soil sample results to the Method A levels were used as compliance with cleanup standards for this site (Appendix D). The remediation performed resolves to be a permanent cleanup action, as defined by the Model Toxics Control Act (MTCA), WAC 173-340-200.

7.0 CONCLUSIONS AND RECOMMENDATIONS

With regard to the response and remedial action to the fuel release at the FTA, PBS presents the following conclusions:

- The release of fuel to surface soil in the vicinity of the ARFF appears to have impacted several areas, mostly bordering the concrete containment of the prop itself and also near the northern and eastern fire hydrant locations. For organizational purposes the impacted soil was designated as separate Spill Areas A through H.
- The contaminated soil material has been removed and hauled for off-site disposal with completion on November 8, 2013. Approximately 2,761 tons of PCS were removed and transported under permit to the Waste Management transfer facility in Seattle for disposal.
- Based on site observations and analytical results, the PCS in Spill Areas B through H has been remediated or delineated to meet acceptable Ecology MTCA Method A soil cleanup standards.
- Since contamination has been removed, potential for contamination contact with surface runoff or runoff to storm drain basins has been sufficiently eliminated. Clean fill has been imported and the areas restored to grade.
- Field indications and laboratory analysis confirmed that impacted soil in Area A extends at least 5 to 10 feet bgs. Several test pits were excavated and vertical delineation was not achieved. Surface discharges in the Area A may be the cause of the deeper infiltration of the released fuel. The assessment and remediation of Area A is considered outside the scope of an emergency response and remediation of a surface release, and will require additional investigation before remedial action is undertaken.

With regard to the response and remedial action to the fuel release at the FTA, PBS presents the following recommendations:

- With regard to the October 25th surface release of fuel at the FTA, no further investigation or remediation in Spill Areas B through H is recommended at this time.
- Conduct a subsurface investigation at Area A to define the extent and magnitude of identified petroleum hydrocarbon impact.
- Submit a copy of this report to Ms. Jeanne Tran, Water Quality Program Engineer with the Washington Department of Ecology – Northwest Regional Office in Bellevue, Washington.

8.0 LIMITATIONS

PBS has prepared this report for use by the Washington Department of Enterprise Services and the Washington State Patrol. This report is for the exclusive use of the client and is not to be relied upon by other parties. It is not to be photographed, photocopied, or similarly reproduced, in total or in part, without the expressed written consent of the client.

The reported activities were limited to the tests, locations, and depths as indicated to determine the absence or presence of certain contaminants. The site as a whole may have other contamination that was not characterized by this study. The findings and conclusions of this report are not scientific certainties but, rather, are probabilities based on professional judgment concerning the significance of the data gathered during the course of this investigation. PBS is not able to represent that the site or adjoining land contain no hazardous waste, oil or other latent conditions beyond that detected or observed by PBS.

PBS ENGINEERING AND ENVIRONMENTAL

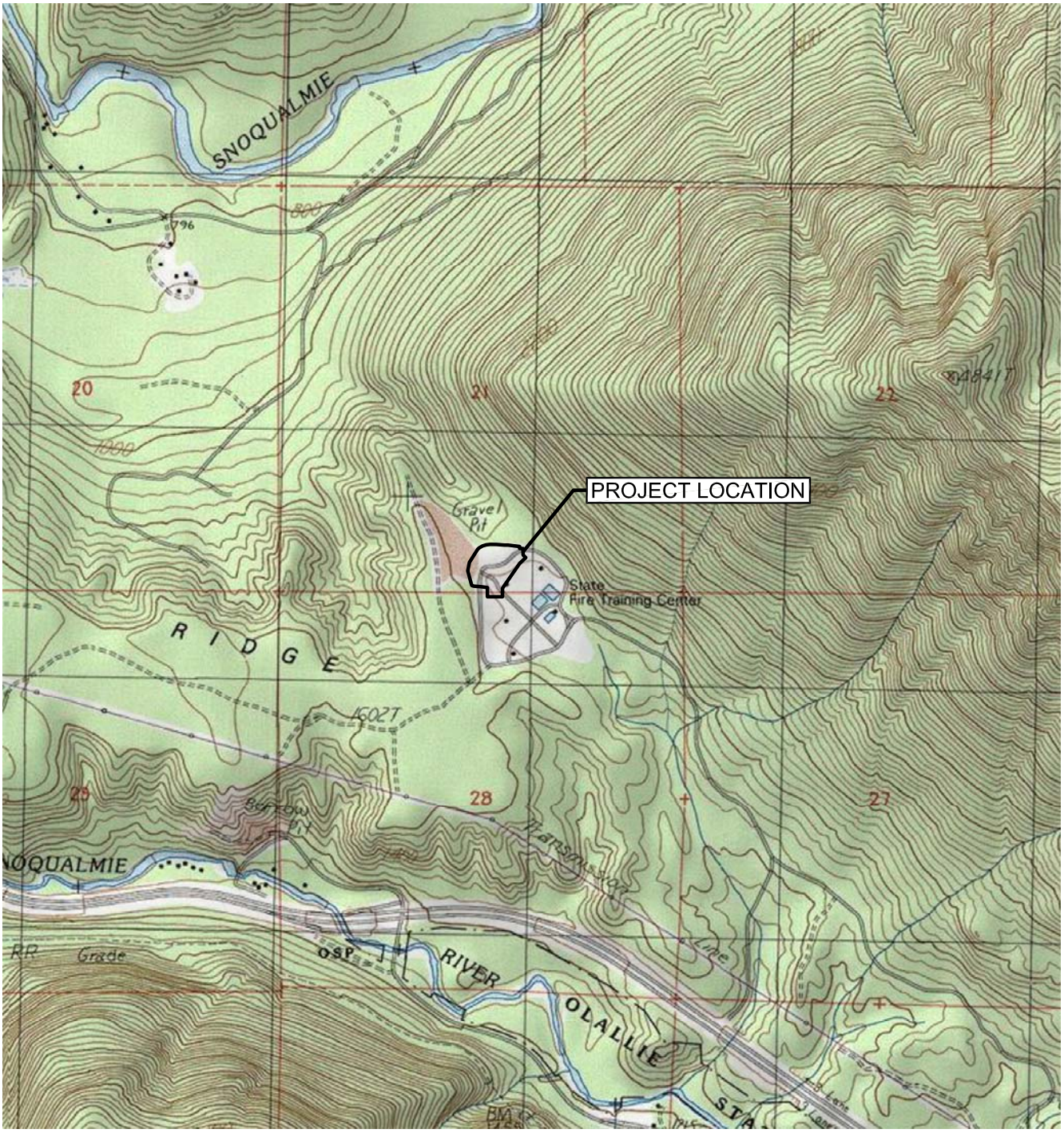
December 30, 2013

Ken Nogiere, LHG — Date
Senior Geologist

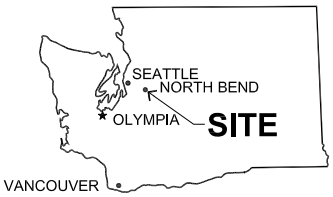
December 30, 2013

Thomas Mergy, LG — Date
Senior Geologist

FIGURES



SOURCE: USGS CHESTER MORSE LAKE, WA QUADRANGLE 1987, PHOTO REVISED 1989.



WASHINGTON

0' 1000' 2000' 4000'

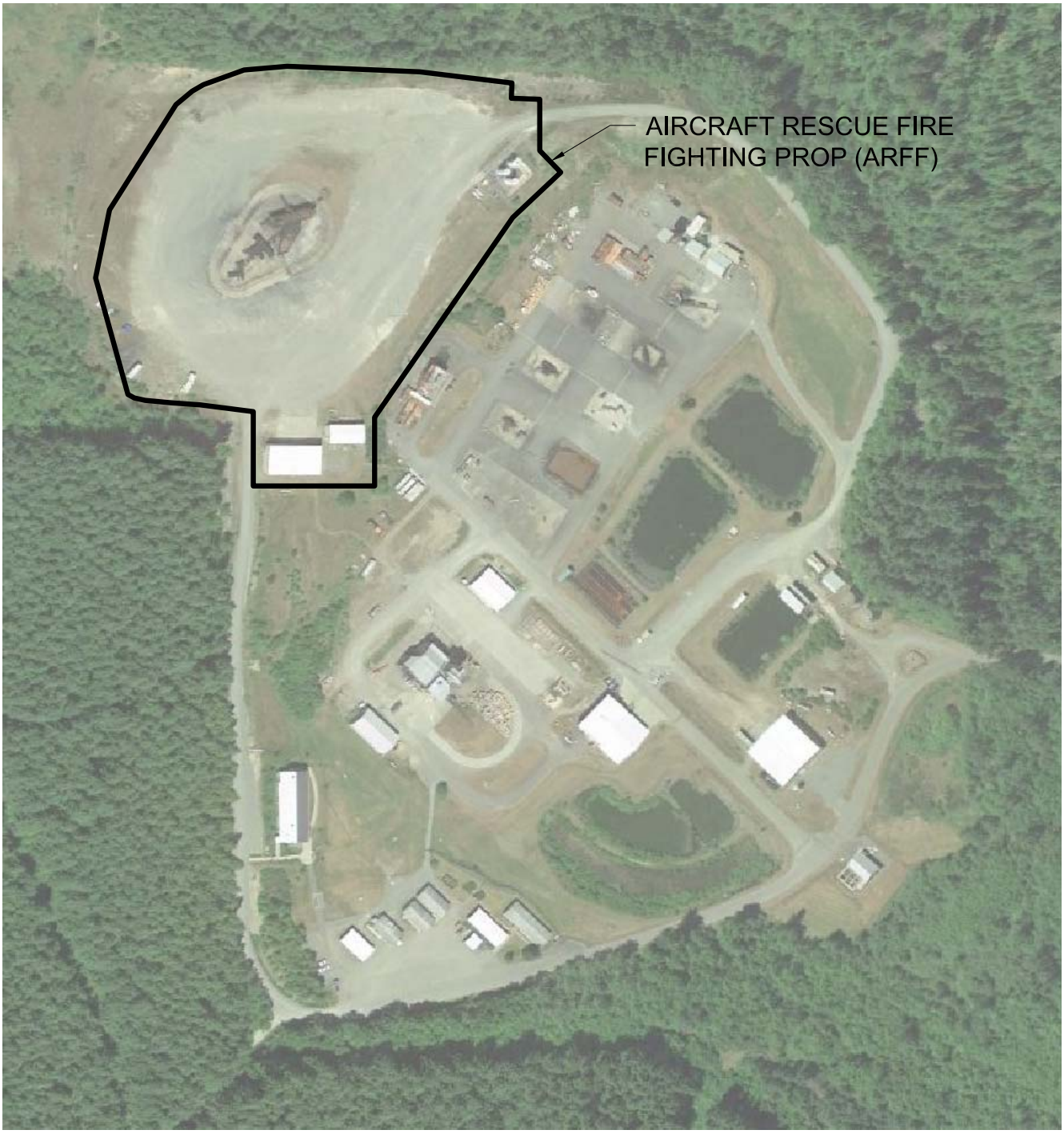
SCALE: 1" = 2,000'

PREPARED FOR: WA-DES

PBS

PROJECT #	VICINITY MAP	FIGURE
40535.170	50810 GROUSE RIDGE ROAD NORTH BEND, WASHINGTON	1
DATE DEC 2013		

L:\Projects\40500\40535 WADOGA\40535.100-199\40535.170 FTA ARFF Fuel Spill\DWG\40535.170_Fig1-2.dwg Dec 02, 2013 12:42pm ginal



SOURCE: © 2011 GOOGLE EARTH PRO, © 2012 GOOGLE

0' 125' 250' 500'

SCALE: 1" = 250'

PREPARED FOR: WA-DES

PBS

PROJECT #	FIRE TRAINING ACADEMY - AERIAL VIEW	FIGURE
40535.170	50810 GROUSE RIDGE ROAD NORTH BEND, WASHINGTON	2
DATE DEC 2013		

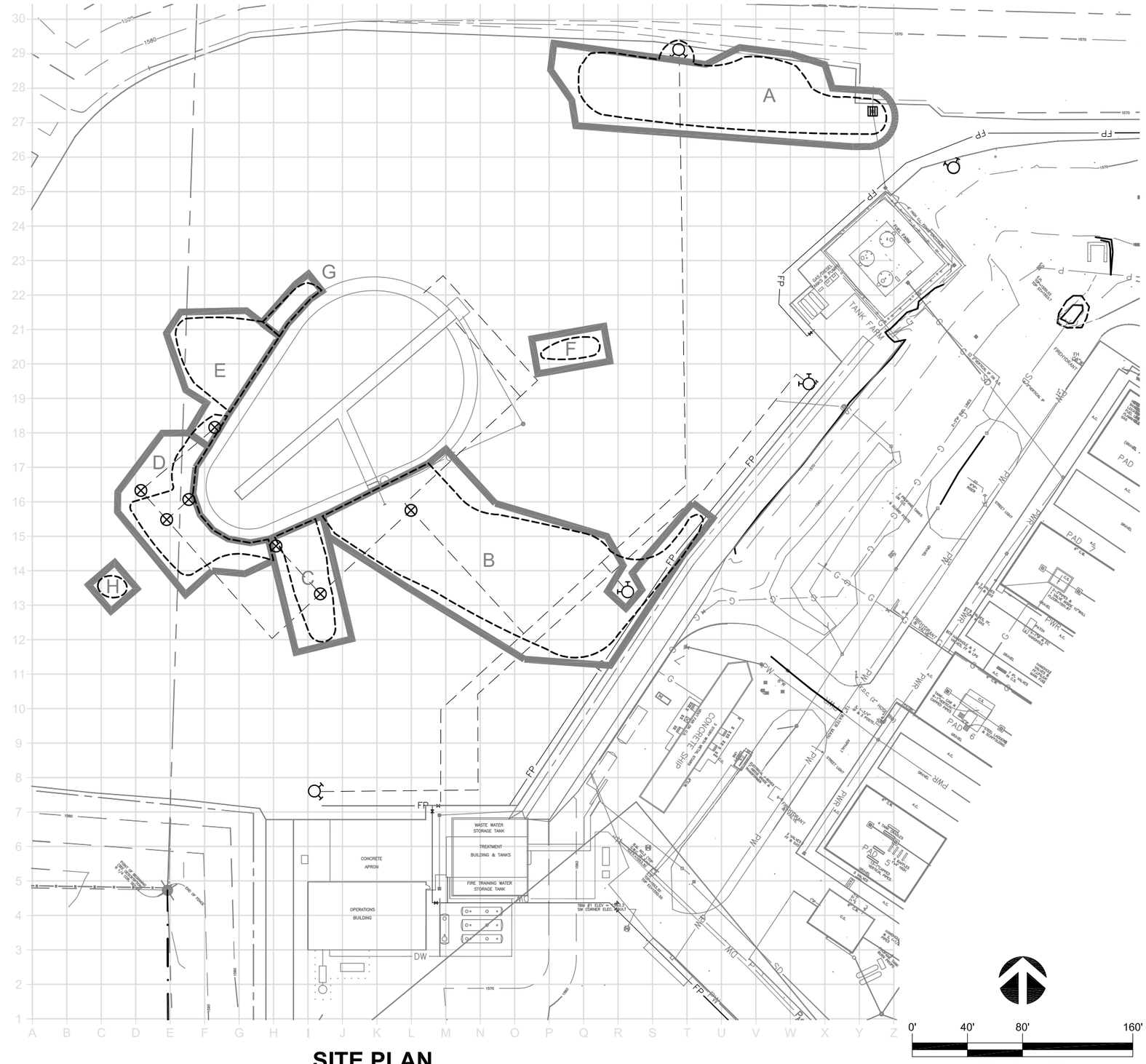
L:\Projects\40500\40535 WADOGA\40535.100-199\40535.170 FTA ARFF Fuel Spill\DWG\40535.170_Fig1-2.dwg Dec 02, 2013 12:42pm ginal

GENERAL NOTES

1. VACUUM AND ABSORBENT PADS USED TO REMOVE AND CONTAIN POOLED FUEL ON SURFACE ON 10/27/13.
2. EXCAVATED DARK STAINED SURFACE MATERIALS TO APPROXIMATE 12-INCH BELOW SURFACE. EASTERN PORTION OF A-1/A-11, AREA A (SAMPLES A-12, TP-3, AND A-13) INDICATED CONTAMINATION DEEPER THAN 8-FOOT DEPTH.
3. INSTALLED SILT FENCE ALONG DRAINAGE DITCH AT NORTH SIDE OF AREA A.
4. EXCAVATION AREAS BACKFILLED WITH CLEAN IMPORT CRUSHED GRAVEL AND COMPACTED WITH ROLLER ON 11/4/13 TO 11/7/13.

LEGEND

- A — EXCAVATED AREA OF CONTAMINATED SURFACE MATERIAL
- APPROXIMATE AREA OF OBSERVED SURFACE STAINED SOIL (10/26/13)
- FIRE HYDRANT
- FTW LINE
- MANHOLE COVER
- CATCH BASIN



SITE PLAN

PREPARED FOR: WA-DES

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639 Main
866.727.0140 Fax
www.pbsenv.com

FIRE TRAINING ACADEMY - ARFF FUEL SPILL

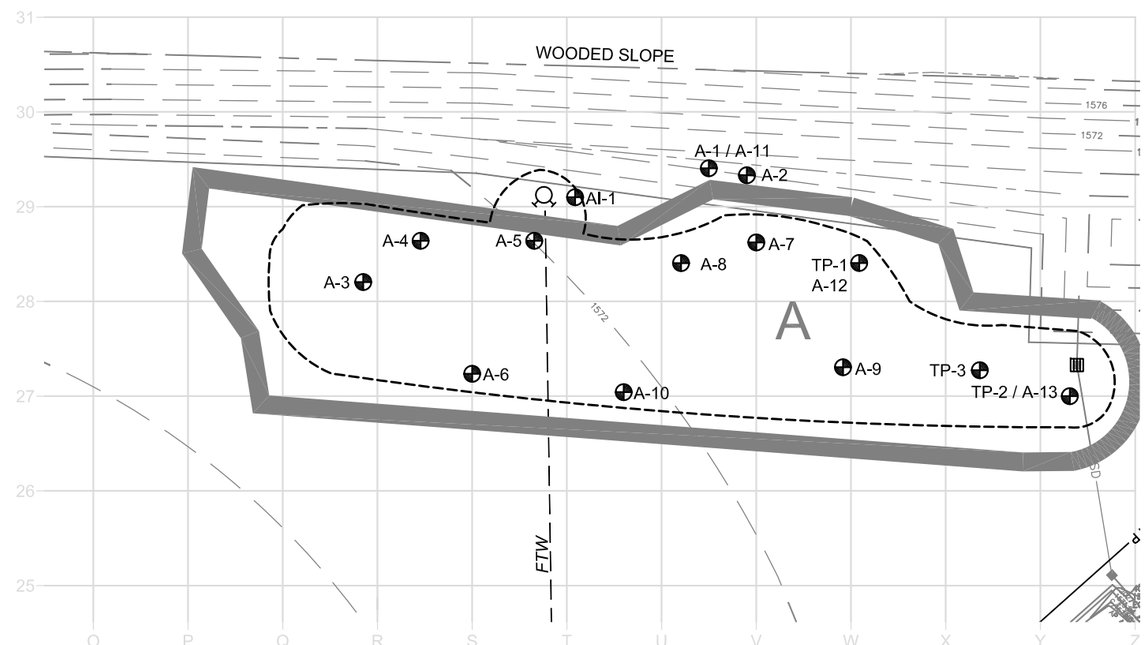
50810 SE GROUSE RIDGE ROAD
NORTH BEND, WASHINGTON

SITE PLAN	
PROJECT:	40535.170
DATE:	DECEMBER 2013
FIGURE:	3

L:\Projects\40500\40535 WADOGA\40535.100-199\40535.170 FTA ARFF Fuel Spill\DWG\40535.170_Fig3.dwg Dec 02, 2013 01:29pm gina

GENERAL NOTES

1. VACUUM AND ABSORBENT PADS USED TO REMOVE AND CONTAIN POOLED FUEL ON SURFACE ON 10/27/13.
2. EXCAVATED DARK STAINED SURFACE MATERIALS TO APPROXIMATE 12-INCH BELOW SURFACE. EASTERN PORTION OF A-1/A-11, AREA A (SAMPLES A-12, TP-3, AND A-13) INDICATED CONTAMINATION DEEPER THAN 8-FOOT DEPTH.
3. INSTALLED SILT FENCE ALONG DRAINAGE DITCH AT NORTH SIDE OF AREA A.
4. EXCAVATION AREAS BACKFILLED WITH CLEAN IMPORT CRUSHED GRAVEL AND COMPACTED WITH ROLLER ON 11/4/13 TO 11/7/13.



AVIATION FUEL SURFACE SPILL/RELEASE DESIGNATED AREA A

LEGEND

- B-1 — SOIL SAMPLE NUMBER AND LOCATION
- A — EXCAVATED AREA OF CONTAMINATED SURFACE MATERIAL
- APPROXIMATE AREA OF OBSERVED SURFACE STAINED SOIL (10/26/13)
- FIRE HYDRANT
- FTW LINE
- MANHOLE COVER
- CATCH BASIN

0' 20' 40' 80'

SCALE: 1" = 40'

PREPARED FOR: WA-DES

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639 Main
866.727.0140 Fax
www.pbsenv.com

FIRE TRAINING ACADEMY - ARFF FUEL SPILL

50810 SE GROUSE RIDGE ROAD
NORTH BEND, WASHINGTON

SOIL SAMPLE LOCATION PLAN

PROJECT: 40535.170

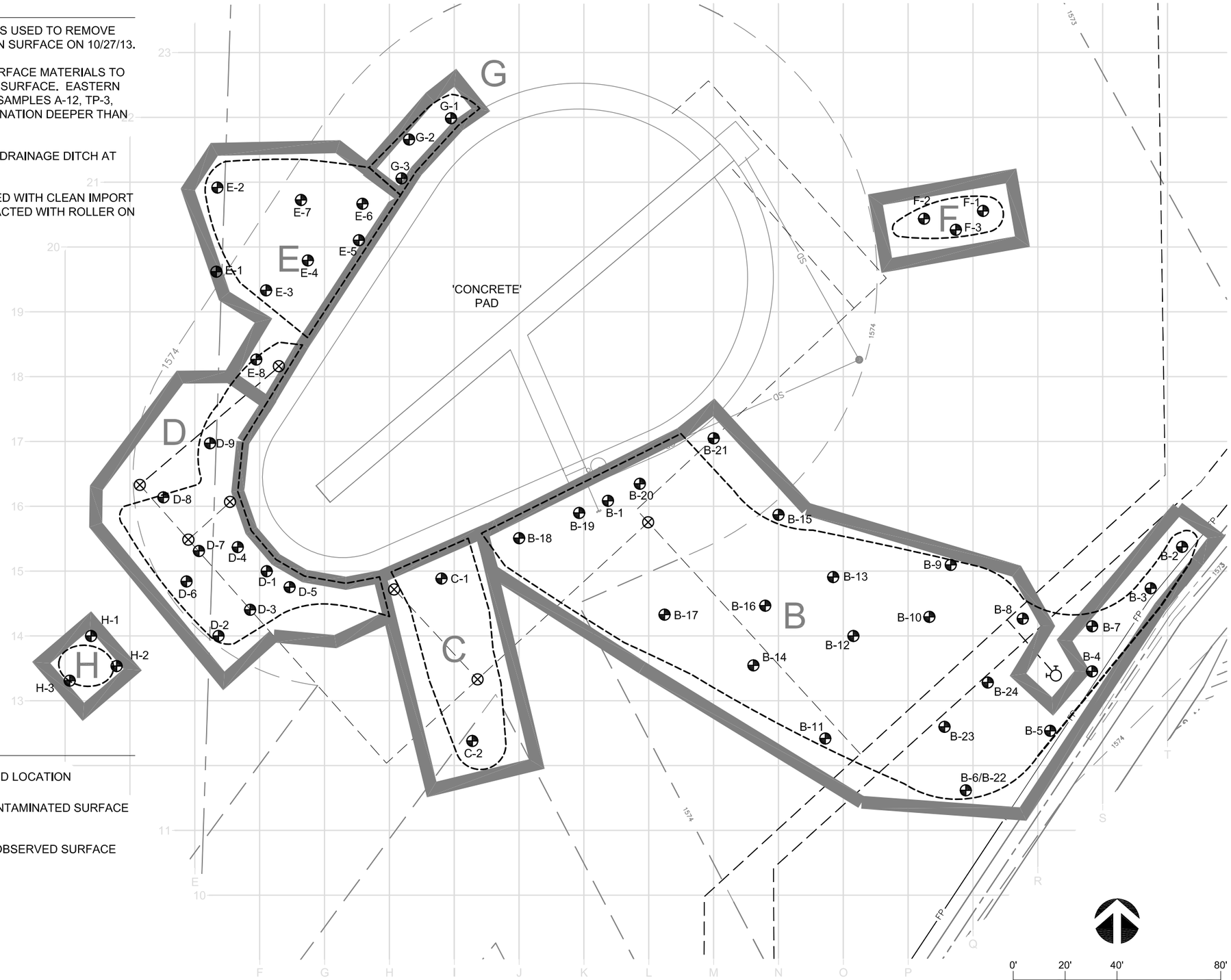
DATE: DECEMBER 2013

FIGURE: **4**

L:\Projects\40500\40535 WADOGA\40535.100-199\40535.170 FTA ARFF Fuel Spill\DWG\40535.170_Fig4-5.dwg Dec 02, 2013 01:30pm glhal

GENERAL NOTES

1. VACUUM AND ABSORBENT PADS USED TO REMOVE AND CONTAIN POOLED FUEL ON SURFACE ON 10/27/13.
2. EXCAVATED DARK STAINED SURFACE MATERIALS TO APPROXIMATE 12-INCH BELOW SURFACE. EASTERN PORTION OF A-1/A-11, AREA A (SAMPLES A-12, TP-3, AND A-13) INDICATED CONTAMINATION DEEPER THAN 8-FOOT DEPTH.
3. INSTALLED SILT FENCE ALONG DRAINAGE DITCH AT NORTH SIDE OF AREA A.
4. EXCAVATION AREAS BACKFILLED WITH CLEAN IMPORT CRUSHED GRAVEL AND COMPACTED WITH ROLLER ON 11/4/13 TO 11/7/13.



LEGEND

- B-1 — SOIL SAMPLE NUMBER AND LOCATION
- A — EXCAVATED AREA OF CONTAMINATED SURFACE MATERIAL
- ---- — APPROXIMATE AREA OF OBSERVED SURFACE STAINED SOIL (10/26/13)
- FIRE HYDRANT
- FTW LINE
- MANHOLE COVER
- CATCH BASIN

AVIATION FUEL SURFACE SPILL/RELEASE DESIGNATED AREAS B - H

0' 20' 40' 80'

SCALE: 1" = 40'

PREPARED FOR: WA-DES

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639 Main
866.727.0140 Fax
www.pbsenv.com

FIRE TRAINING ACADEMY - ARFF FUEL SPILL

50810 SE GROUSE RIDGE ROAD
NORTH BEND, WASHINGTON

SOIL SAMPLE LOCATION PLAN	
PROJECT:	40535.170
DATE:	DECEMBER 2013
FIGURE:	5

L:\Projects\40500\40535 WADOGA\40535.100-199\40535.170 FTA ARFF Fuel Spill\DWG\40535.170_Fig4-5.dwg Dec 02, 2013 01:29pm gjhal

TABLES

Table 1 - Area A Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx			TPH as Gasoline (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/Kg)	PAHs		
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)						B(a)P (mg/kg)	Naph (mg/kg)	Carcinogenic PAHs (mg/kg)
A-I-1	10/29/2013	0'-3"	ND	**57,000**	ND	ND	<0.020	<0.050	**560**	**4,900**	**1.7**	**72**	**2.20**
A-1	10/29/2013	5'-0"	ND	**5,500**	ND	-	-	-	-	-	-	-	-
A-2	10/29/2013	2'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
A-3	10/29/2013	0'-8"	ND	ND	ND	-	-	-	-	-	-	-	-
A-4	10/29/2013	0'-10"	ND	ND	ND	-	-	-	-	-	-	-	-
A-5	10/29/2013	0'-9"	ND	ND	ND	-	-	-	-	-	-	-	-
A-6	10/29/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
A-7	10/29/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
A-8	10/29/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
A-9	10/30/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
A-10	10/30/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
A-11	11/1/2013	6'-6"	ND	**12,000**	ND	-	-	-	-	-	-	-	-
A-12	11/4/2013	10'-0"	ND	54	ND	-	-	-	-	-	-	-	-
A-13	11/4/2013	8'-6"	ND	230	ND	-	-	-	-	-	-	-	-
TP#3 (A-13)	11/5/2013	3'-0"	ND	**6,800**	ND	ND	<0.020	<0.050	**1,000**	**4,500**	-	-	-
MTCA Method A Cleanup Level			2,000		2,000	100	0.03	7	6	9	0.1	5	0.1**

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

TPH - total petroleum hydrocarbons

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

** Value for carcinogenic PAHs by toxicity equivalency methodology in WAC 173-340-708(8) and table 708.2

PAH - polycyclic aromatic hydrocarbon

B(a)P - benzo (a) pyrene

Naph - naphthalene

Table 2 - Area B Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx			TPH as Gasoline (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/Kg)	PAHs		
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)						B(a)P (mg/kg)	Naph (mg/kg)	Carcinogenic PAHs (mg/kg)
B-1	10/29/2013	0'-1"	ND	**51,000**	ND	-	-	-	-	-	-	-	-
B-2	10/30/2013	0'-6"	ND	ND	ND	-	-	-	-	-	-	-	-
B-3	10/30/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-4	10/30/2013	0'-9"	ND	ND	ND	-	-	-	-	-	-	-	-
B-5	10/30/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-6	10/30/2013	1'-0"	ND	**6,900**	ND	-	-	-	-	-	<0.01	**32**	0.04
B-7	10/31/2013	0'-8"	ND	ND	ND	-	-	-	-	-	-	-	-
B-8	10/31/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-9	10/31/2013	0'-8"	ND	ND	ND	-	-	-	-	-	-	-	-
B-10	10/31/2013	1'-0"	ND	40	ND	ND	<0.020	<0.050	<0.050	<0.050	-	-	-
DUP_10.31.13	10/31/2013	1'-0"	ND	37	ND	-	-	-	-	-	-	-	-
B-11	10/31/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-12	10/31/2013	0'-10"	ND	42	ND	-	-	-	-	-	-	-	-
B-13	10/31/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-14	10/31/2013	0'-10"	ND	ND	ND	-	-	-	-	-	-	-	-
B-15	10/31/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-16	10/31/2013	0'-10"	ND	ND	ND	-	-	-	-	-	-	-	-
B-17	10/31/2013	0'-10"	ND	ND	ND	ND	<0.020	<0.050	<0.050	<0.050	-	-	-
B-18	11/6/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-19	11/6/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-

Table 2 - Area B Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

B-20	11/6/2013	0'-10"	ND	ND	ND	-	-	-	-	-	-	-	-
B-21	11/6/2013	1'-0"	ND	ND	ND	-	-	-	-	-	-	-	-
B-22	11/6/2013	1'-6"	ND	ND	ND	ND	<0.020	<0.050	<0.050	<0.050	-	-	-
B-23	11/7/2013	1'-6"	ND	ND	ND	ND	<0.020	<0.050	<0.050	<0.050	-	-	-
B-24	11/7/2013	1'-6"	ND	ND	ND	ND	<0.020	<0.050	<0.050	<0.050	-	-	-
MTCA Method A Cleanup Level			2,000		2,000	100	0.03	7	6	9	0.1	5	0.1**

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

TPH - total petroleum hydrocarbons

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

PAH - polycyclic aromatic hydrocarbon

B(a)P - benzo (a) pyrene

Naph - naphthalene

** Value for carcinogenic PAHs by toxicity equivalency methodology in WAC 173-340-708(8) and table 708.2

Table 3 - Area C Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx			TPH as Gasoline (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/Kg)
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)					
C-1	10/31/2013	1'-0"	ND	31	ND	ND	<20	<50	<50	<50
C-2	10/31/2013	1'-0"	ND	ND	ND	-	-	-	-	-
MTCA Method A Cleanup Level			2,000		2,000	100	0.03	7	6	9

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

TPH - total petroleum hydrocarbons

Table 4 - Area D Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx		
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)
D-1	10/29/2013	0'-1"	ND	**10,000**	ND
D-2	10/29/2013	1'-0"	ND	ND	ND
D-3	10/29/2013	1'-0"	ND	ND	ND
D-4	10/29/2013	1'-0"	ND	ND	ND
D-5	10/29/2013	1'-0"	ND	ND	ND
D-6	10/29/2013	1'-0"	ND	ND	ND
D-7	10/29/2013	1'-0"	ND	ND	ND
D-8	10/30/2013	0'-8"	ND	ND	ND
D-9	10/30/2013	1'-0"	ND	ND	ND
MTCA Method A Cleanup Level			2,000		2,000

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

* = Gasoline in soil MTCA Method A Cleanup level when benzene is present

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

TPH - total petroleum hydrocarbons

Table 5 - Area E Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx		
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)
E-1	10/30/2013	0'-10"	ND	ND	ND
E-2	10/30/2013	0'-5"	ND	ND	ND
E-3	10/30/2013	1'-0"	ND	ND	ND
E-4	10/30/2013	1'-0"	ND	ND	ND
E-5	11/5/2013	1'-0"	ND	ND	ND
E-6	11/5/2013	1'-0"	ND	ND	ND
E-7	11/5/2013	1'-0"	ND	ND	ND
E-8	11/5/2013	1'-0"	ND	ND	ND
MTCA Method A Cleanup Level			2,000		2,000

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

* = Gasoline in soil MTCA Method A Cleanup level when benzene is present

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

TPH - total petroleum hydrocarbons

Table 6 - Area F Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx			TPH as Gasoline (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/Kg)
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)					
F-1	10/30/2013	1'-0"	ND	1,700	ND	ND	<0.020	<0.050	**100**	**390**
F-2	10/30/2013	1'-0"	ND	ND	ND	-	-	-	-	-
F-3	11/1/2013	1'-6"	ND	ND	ND	-	-	-	-	-
MTCA Method A Cleanup Level			2,000		2,000	100	0.03	7	6	9

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

TPH - total petroleum hydrocarbons

Table 7 - Area G Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx		
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)
G-1	10/29/2013	1'-4"	ND	ND	ND
G-2	10/29/2013	1'-4"	ND	ND	ND
G-3	10/29/2013	1'-8"	ND	ND	ND
MTCA Method A Cleanup Level			2,000		2,000

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

* = Gasoline in soil MTCA Method A Cleanup level when benzene is present

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

TPH - total petroleum hydrocarbons

Table 8 - Area H Soil Analytical Results

Fire Training Academy - ARFF Fuel Spill

North Bend, Washington

Sample ID	Date	Depth (feet-inches bgs)	NWTPH - Dx			TPH as Gasoline (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/Kg)
			TPH as Kerosene/Jet Fuel (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Oil (mg/kg)					
H-1	10/30/2013	0'-10"	ND	ND	ND	-	-	-	-	-
H-2	10/30/2013	0'5"	ND	ND	ND	-	-	-	-	-
H-3	10/30/2013	0'10"	ND	ND	ND	ND	<0.020	<0.050	<0.050	<0.050
MTCA Method A Cleanup Level			2,000		2,000	100	0.03	7	6	9

Notes:

(-) - not analyzed

Bold indicates exceedances of MTCA Method A Soil Cleanup Level

ND = analyte not detected at level above laboratory method reporting limit (MRL)

bgs = below ground surface

TPH - total petroleum hydrocarbons

APPENDIX A

Site Photographs

Photo 1: Project Site: FTA North Bend

Photo 2: Aviation fire simulation area

Photo 3: Aviation fire simulation area

Photo 4: Area photograph

Photo 5: Area A spill

Photo 6: Area A excavation

Photo 7: Area B spill: drainage culvert

Photo 8: Area B excavation: drainage culvert

Photo 9: Area B excavation: drainage culvert

Photo 10: Area B spill

Photo 11: Area B excavation

Photo 12: Area C spill

Photo 13: Area D spill

Photo 14: Area D excavation

Photo 15: Area E spill

Photo 16: Area E spill

Photo 17: Area F spill

Photo 18: Area F excavation

Photo 19: Area G spill

Photo 20: Area G excavation

Photo 21: Area H excavation

Photo 22: Excavations complete and covered before November 7th precipitation.

Photo 23: Area B drainage culvert during November 7th precipitation: no sheen observed

Photo 24: Soil removal for off-site disposal

Photo 25: Importation of gravel fill

Photo 26: Area B restoration

Photo 27: Restoration

Photo 28: Restoration

APPENDIX B

Soil Disposal Receipts

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71306

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 10:02:41	SCALE 1	lmercer		Gross	101560 lb
Out	10/31/2013 10:23:20	SCALE 1	lmercer		Tare	38560 lb
					Net	63000 lb
					Tons	31.50

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.50	Tons	29.83	9.45	$939.65	KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.50	Tons	16.77		$528.26	KING

Gordy

Total Tax $9.45
Total Ticket $1477.36

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71307

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 10:11:53	SCALE 1	lmercer		Gross	88240 lb
Out	10/31/2013 10:36:23	SCALE 1	lmercer		Tare	42880 lb
					Net	45360 lb
					Tons	22.68

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.68	Tons	29.83	6.80	$676.54	KING
2	GONDOLA 16.77/TN-GONDOLA	100	22.68	Tons	16.77		$380.34	KING

Driver's Signature

Total Tax $6.80
Total Ticket $1063.68

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71308

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 10:16:40	SCALE 1	lmercer		Gross	112420 lb
Out	10/31/2013 10:38:46	SCALE 1	lmercer		Tare	41320 lb
					Net	71100 lb
					Tons	35.55

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	35.55	Tons	29.83	10.67	$1060.46	KING
2	GONDOLA 16.77/TN-GONDOLA	100	35.55	Tons	16.77		$596.17	KING

Total Tax $10.67
Total Ticket $1667.30

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71309

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K49
Container
Driver ZEKE COBERLY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 10:32:03	SCALE 1	lmercer		Gross	101780 lb
Out	10/31/2013 10:46:44	SCALE 1	lmercer		Tare	37600 lb
					Net	64180 lb
					Tons	32.09

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.09	Tons	29.83	9.63	$957.24	KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.09	Tons	16.77		$538.15	KING

Total Tax $9.63
Total Ticket $1505.02

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71343

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 13:58:34	SCALE 1	lmercer		Gross	99080 lb
Out	10/31/2013 13:58:34		lmercer		Tare	41320 lb
					Net	57760 lb
					Tons	28.88

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.88	Tons	29.83	8.66	$861.49	KING
2	GONDOLA 16.77/TN-GONDOLA	100	28.88	Tons	16.77		$484.32	KING

Total Tax $8.66
Total Ticket $1354.47

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71345

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K49
Container
Driver ZEKE COBERLY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 14:07:05	SCALE 1	lmercer		Gross	84560 lb
Out	10/31/2013 14:07:05		lmercer		Tare	37600 lb
					Net	46960 lb
					Tons	23.48

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.48	Tons	29.83	7.04	$700.41	KING
2	GONDOLA 16.77/TN-GONDOLA	100	23.48	Tons	16.77		$393.76	

Total Tax $7.04
Total Ticket $1101.21

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206.763 5025

Original
Ticket# 71350

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 14:24:38	SCALE 1	lmercer		Gross	99440 lb
Out	10/31/2013 14:24:38		lmercer		Tare	38560 lb
					Net	60880 lb
					Tons	30.44

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.44	Tons	29.83	9.13	$908.03	KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.44	Tons	16.77		$510.48	

Total Tax $9.13
Total Ticket $1427.64

Driver's Signature Gordy

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71351

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 10/31/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2013 14:29:24	SCALE 1	lmercer		Gross	101000 lb
Out	10/31/2013 14:29:24		lmercer		Tare	42880 lb
					Net	58120 lb
					Tons	29.06

Comments KCPK - GD

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.06	Tons	29.83	8.72	$866.86	KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.06	Tons	16.77		$487.34	

Total Tax $8.72
Total Ticket $1362.92

Driver's Signature

203WM

Customer Summary Report

Criteria: 10/15/2013 12:00 AM to 10/31/2013 11:59 PM

Business Unit Name: AK St Reload and Recycle Facility - S07325 (USA)

Customer Name: IO ENVIRONMENTAL AND INFRASTRUCTURE INC (IO ENVIRONMENTAL AND INFRASTRUCTURE INC)

Ticket Date	Ticket ID	Cust Code	Generator	Profile	Truck	Tons	Total
10/31/2013	71306	0000313	WA-WASHINGTON STATE FIRE	108330WA	K39	31.5	$1,477.36
10/31/2013	71307	0000313	WA-WASHINGTON STATE FIRE	108330WA	K19SD	22.68	$1,063.68
10/31/2013	71308	0000313	WA-WASHINGTON STATE FIRE	108330WA	K109	35.55	$1,667.30
10/31/2013	71309	0000313	WA-WASHINGTON STATE FIRE	108330WA	K49	32.09	$1,505.02
10/31/2013	71343	0000313	WA-WASHINGTON STATE FIRE	108330WA	K109	28.88	$1,354.47
10/31/2013	71345	0000313	WA-WASHINGTON STATE FIRE	108330WA	K49	23.48	$1,101.21
10/31/2013	71350	0000313	WA-WASHINGTON STATE FIRE	108330WA	K39	30.44	$1,427.64
10/31/2013	71351	0000313	WA-WASHINGTON STATE FIRE	108330WA	K19SD	29.06	$1,362.92
10/30/2013	71203	0000313	WA-WASHINGTON STATE FIRE	108330WA	NONE	Profile Fee	$75.00
Customer Total	**9**					**233.68**	**$11,034.60**

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71863

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 07:05:01	SCALE 1	lmercer		Gross	108440 lb*
Out	11/01/2013 07:05:01		lmercer		Tare	38560 lb*
					Net	69880 lb
			* Manual Weight		Tons	34.94

Comments KCPK - LM (REPLACES VOIDED TICKET # 71365)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.94	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.94	Tons				

Total Tax
Total Ticket

203WM ver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71996

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 07:08:27	SCALE 1	lmercer		Gross	102320 lb*
Out	11/01/2013 07:08:27		lmercer		Tare	42880 lb*
					Net	59440 lb
			* Manual Weight		Tons	29.72

Comments KCPK - LM (REPLACES VOIDED TICKET # 71366)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.72	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.72	Tons				

Total Tax
Total Ticket

208WM Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 71997

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 07:12:14	SCALE 1	lmercer		Gross	113460 lb*
Out	11/01/2013 07:12:14		lmercer		Tare	41320 lb*
					Net	72140 lb
			* Manual Weight		Tons	36.07

Comments KCPK - LM (REPLACES VOIDED TICKET # 71367)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	36.07	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	36.07	Tons				KING

Total Tax
Total Ticket

208WM ver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 71999

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# CE327
Container
Driver CLIFTON CALLOWAY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 10:02:58	SCALE 1	lmercer		Gross	88940 lb*
Out	11/01/2013 10:02:58		lmercer		Tare	38980 lb*
					Net	49960 lb
			* Manual Weight		Tons	24.98

Comments C & E TRANS - LM (REPLACES VOIDED TICKET # 71393)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.98	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	24.98	Tons				

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72001

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 10:09:11	SCALE 1	lmercer		Gross	84820 lb*
Out	11/01/2013 10:09:11		lmercer		Tare	37140 lb*
					Net	47680 lb
			* Manual Weight		Tons	23.84

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71395)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.84	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	23.84	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72002

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 10:16:31	SCALE 1	lmercer		Gross	101200 lb*
Out	11/01/2013 10:16:31		lmercer		Tare	38560 lb*
					Net	62640 lb
			* Manual Weight		Tons	31.32

Comments KCPK - LM (REPLACES VOIDED TICKET # 71396)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.32	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.32	Tons				KING

Total Tax
Total Ticket

Driver's Signature

208WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72003

Ph: 206 763 5025

Customer Name IQ ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 10:42:42	SCALE 1	lmercer		Gross	94800 lb*
Out	11/01/2013 10:42:42		lmercer		Tare	42880 lb*
					Net	51920 lb
			* Manual Weight		Tons	25.96

Comments KCPK - LM (REPLACES VOIDED TICKET # 71398)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.96	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	25.96	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72004

Customer Name IQ ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 10:51:34	SCALE 1	lmercer		Gross	96700 lb*
Out	11/01/2013 10:51:34		lmercer		Tare	41320 lb*
					Net	55380 lb
			* Manual Weight		Tons	27.69

Comments KCPK - LM (REPLACES VOIDED TICKET # 71400)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.69	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	27.69	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72005

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 14:05:57	SCALE 1	lmercer		Gross	104140 lb*
Out	11/01/2013 14:05:57		lmercer		Tare	38560 lb*
					Net	65580 lb
			* Manual Weight		Tons	32.79

Comments KCPK - LM (REPLACES VOIDED TICKET # 71427)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.79	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.79	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72006

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 14:18:43	SCALE 1	lmercer		Gross	106120 lb*
Out	11/01/2013 14:18:43		lmercer		Tare	42880 lb*
					Net	63240 lb
			* Manual Weight		Tons	31.62

Comments KCPK - LM (REPLACES VOIDED TICKET # 71428)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.62	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.62	Tons				KING

Total Tax
Total Ticket

Driver's Signature

208WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72007

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 14:21:58	SCALE 1	lmercer		Gross	107660 lb*
Out	11/01/2013 14:21:58		lmercer		Tare	41320 lb*
					Net	66340 lb
			* Manual Weight		Tons	33.17

Comments KCPK - LM (REPLACES VOIDED TICKET # 71429)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.17	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.17	Tons				KING

Total Tax
Total Ticket

Driver's Signature

2038WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72008

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 09:41:49	SCALE 1	lmercer		Gross	101540 lb*
Out	11/04/2013 09:41:49		lmercer		Tare	38560 lb*
					Net	62980 lb
			* Manual Weight		Tons	31.49

Comments KCPK - LM (REPLACES VOIDED TICKET # 71504)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.49	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.49	Tons				KING

Total Tax
Total Ticket

Driver's Signature

2013

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72009

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 09:47:09	SCALE 1	lmercer		Gross	108000 lb*
Out	11/04/2013 09:47:09		lmercer		Tare	41320 lb*
					Net	66680 lb
			* Manual Weight		Tons	33.34

Comments KCPK - LM (REPLACES VOIDED TICKET # 71505)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.34	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.34	Tons				

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72010

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K49
Container
Driver ZEKE COBERLY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 10:04:11	SCALE 1	lmercer		Gross	95860 lb*
Out	11/04/2013 10:04:11		lmercer		Tare	37600 lb*
					Net	58260 lb
			* Manual Weight		Tons	29.13

Comments KCPK - LM (REPLACES VOIDED TICKET # 71508)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.13	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.13	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72012

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 10:09:49	SCALE 1	lmercer		Gross	104580 lb*
Out	11/04/2013 10:09:49		lmercer		Tare	40660 lb*
					Net	63920 lb
			* Manual Weight		Tons	31.96

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71509)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.96	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.96	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72013

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 10:28:59	SCALE 1	lmercer		Gross	97020 lb*
Out	11/04/2013 10:28:59		lmercer		Tare	34500 lb*
					Net	62520 lb
			* Manual Weight		Tons	31.26

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71511)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.26	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.26	Tons				KING

Total Tax
Total Ticket

Driver's Signature

208

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72014

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 10:37:56	SCALE 1	lmercer		Gross	90860 lb*
Out	11/04/2013 10:37:56		lmercer		Tare	37140 lb*
					Net	53720 lb
			* Manual Weight		Tons	26.86

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71513)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.86	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	26.86	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72015

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 13:17:18	SCALE 1	lmercer		Gross	102800 lb*
Out	11/04/2013 13:17:18		lmercer		Tare	38560 lb*
					Net	64240 lb
			* Manual Weight		Tons	32.12

Comments KCPK - LM (REPLACES VOIDED TICKET # 71539)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.12	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.12	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72016

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 13:21:02	SCALE 1	lmercer		Gross	103220 lb*
Out	11/04/2013 13:21:02		lmercer		Tare	41320 lb*
					Net	61900 lb
			* Manual Weight		Tons	30.95

Comments KCPK - LM (REPLACES VOIDED TICKET # 71540)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.95	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.95	Tons				

Total Tax
Total Ticket

208 Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72017

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K9
Container
Driver KELLEN RENFRO
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 13:32:08	SCALE 1	lmercer		Gross	96100 lb*
Out	11/04/2013 13:32:08		lmercer		Tare	41960 lb*
					Net	54140 lb
			* Manual Weight		Tons	27.07

Comments KCPK - LM (REPLACES VOIDED TICKET # 71543)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.07	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	27.07	Tons				KING

Total Tax
Total Ticket

208 Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72018

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 13:39:45	SCALE 1	lmercer		Gross	102220 lb*
Out	11/04/2013 13:39:45		lmercer		Tare	40660 lb*
					Net	61560 lb
			* Manual Weight		Tons	30.78

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71545)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.78	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.78	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72019

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 13:59:01	SCALE 1	lmercer		Gross	85140 lb*
Out	11/04/2013 13:59:01		lmercer		Tare	34500 lb*
					Net	50640 lb
			* Manual Weight		Tons	25.32

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71548)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.32	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	25.32	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

2030WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72020

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/04/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/04/2013 14:16:42	SCALE 1	lmercer		Gross	92900 lb*
Out	11/04/2013 14:16:42		lmercer		Tare	37140 lb*
					Net	55760 lb
			* Manual Weight		Tons	27.88

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71551)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.88	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	27.88	Tons				KING

Total Tax
Total Ticket

208WM Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72021

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K49
Container
Driver ZEKE COBERLY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 09:28:31	SCALE 1	lmercer		Gross	108700 lb*
Out	11/05/2013 09:28:31		lmercer		Tare	37600 lb*
					Net	71100 lb
			* Manual Weight		Tons	35.55

Comments KCPK - LM (REPLACES VOIDED TICKET # 71590)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	35.55	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	35.55	Tons				KING

Total Tax
Total Ticket

Driver's Signature

208WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72025

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 09:42:24	SCALE 1	lmercer		Gross	101360 lb*
Out	11/05/2013 09:42:24		lmercer		Tare	40660 lb*
					Net	60700 lb
			* Manual Weight		Tons	30.35

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71592)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.35	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.35	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72026

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 10:06:26	SCALE 1	lmercer		Gross	107120 lb*
Out	11/05/2013 10:06:26		lmercer		Tare	38560 lb*
					Net	68560 lb
			* Manual Weight		Tons	34.28

Comments KCPK - LM (REPLACES VOIDED TICKET # 71595)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.28	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.28	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72027

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 10:13:53	SCALE 1	lmercer		Gross	99420 lb*
Out	11/05/2013 10:13:53		lmercer		Tare	34500 lb*
					Net	64920 lb
			* Manual Weight		Tons	32.46

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71597)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.46	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.46	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72028

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# R10
Container
Driver JOE BAUMAN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 10:26:10	SCALE 1	lmercer		Gross	114580 lb*
Out	11/05/2013 10:26:10		lmercer		Tare	38800 lb*
					Net	75780 lb
			* Manual Weight		Tons	37.89

Comments RHINO - LM (REPLACES VOIDED TICKET # 71600)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	37.89	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	37.89	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72029

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 10:32:17	SCALE 1	lmercer		Gross	109920 lb*
Out	11/05/2013 10:32:17		lmercer		Tare	41320 lb*
					Net	68600 lb
			* Manual Weight		Tons	34.30

Comments KCPK - LM (REPLACES VOIDED TICKET # 71602)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.30	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.30	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72031

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 10:42:20	SCALE 1	lmercer		Gross	100560 lb*
Out	11/05/2013 10:42:20		lmercer		Tare	37140 lb*
					Net	63420 lb
			* Manual Weight		Tons	31.71

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71604)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.71	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.71	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72033

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K49
Container
Driver ZEKE COBERLY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 12:37:01	SCALE 1	lmercer		Gross	107020 lb*
Out	11/05/2013 12:37:01		lmercer		Tare	37600 lb*
					Net	69420 lb
			* Manual Weight		Tons	34.71

Comments KCPK - LM (REPLACES VOIDED TICKET # 71623)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.71	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.71	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72035

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 12:40:38	SCALE 1	lmercer		Gross	102300 lb*
Out	11/05/2013 12:40:38		lmercer		Tare	40660 lb*
					Net	61640 lb
			* Manual Weight		Tons	30.82

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71624)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.82	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.82	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72036

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 12:54:29	SCALE 1	lmercer		Gross	108380 lb*
Out	11/05/2013 12:54:29		lmercer		Tare	38560 lb*
					Net	69820 lb
			* Manual Weight		Tons	34.91

Comments KCPK - LM (REPLACES VOIDED TICKET # 71626)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.91	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.91	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72037

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 13:03:01	SCALE 1	lmercer		Gross	101040 lb*
Out	11/05/2013 13:03:01		lmercer		Tare	34500 lb*
					Net	66540 lb
			* Manual Weight		Tons	33.27

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71628)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.27	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.27	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72038

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# R10
Container
Driver JOE BAUMAN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 13:15:10	SCALE 1	lmercer		Gross	98240 lb*
Out	11/05/2013 13:15:10		lmercer		Tare	38800 lb*
					Net	59440 lb
			* Manual Weight		Tons	29.72

Comments RHINO - LM (REPLACES VOIDED TICKET # 71630)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.72	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.72	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72040

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/05/2013 13:31:25	SCALE 1	lmercer		Gross	98700 lb*
Out	11/05/2013 13:31:25		lmercer		Tare	41320 lb*
					Net	57380 lb
			* Manual Weight		Tons	28.69

Comments KCPK - LM (REPLACES VOIDED TICKET # 71635)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.69	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	28.69	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72041

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/05/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Volume
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

	Time	Scale	Operator	Inbound		
In	11/05/2013 14:04:32	SCALE 1	lmercer		Gross	99000 lb*
Out	11/05/2013 14:04:32		lmercer		Tare	37140 lb*
					Net	61860 lb
			* Manual Weight		Tons	30.93

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71645)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.93	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.93	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72042

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator
In	11/06/2013 07:01:36	SCALE 1	lmercer
Out	11/06/2013 07:01:36		lmercer

Inbound

Gross	103360 lb*
Tare	38560 lb*
Net	64800 lb
Tons	32.40

* Manual Weight

Comments KCPK - LM (REPLACES VOIDED TICKET # 71657)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.40	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.40	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72044

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 07:04:45	SCALE 1	lmercer		Gross	110100 lb*
Out	11/06/2013 07:04:45		lmercer		Tare	41320 lb*
					Net	68780 lb
			* Manual Weight		Tons	34.39

Comments KCPK - LM (REPLACES VOIDED TICKET # 71658)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.39	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.39	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72045

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 07:08:09	SCALE 1	lmercer		Gross	97040 lb*
Out	11/06/2013 07:08:09		lmercer		Tare	34500 lb*
					Net	62540 lb
			* Manual Weight		Tons	31.27

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71659)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.27	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.27	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72046

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 07:42:03	SCALE 1	lmercer		Gross	104040 lb*
Out	11/06/2013 07:42:03		lmercer		Tare	40660 lb*
					Net	63380 lb
			* Manual Weight		Tons	31.69

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71664)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.69	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.69	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72047

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 08:25:59	SCALE 1	lmercer		Gross	110520 lb*
Out	11/06/2013 08:25:59		lmercer		Tare	42880 lb*
					Net	67640 lb
			* Manual Weight		Tons	33.82

Comments KCPK - LM (REPLACES VOIDED TICKET # 71672)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.82	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.82	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72048

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 08:42:38	SCALE 1	lmercer		Gross	97780 lb*
Out	11/06/2013 08:42:38		lmercer		Tare	37140 lb*
					Net	60640 lb
			* Manual Weight		Tons	30.32

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71676)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.32	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.32	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72049

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# R2T
Container
Driver DAVE GALLOWAY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 08:49:50	SCALE 1	lmercer		Gross	103100 lb*
Out	11/06/2013 09:23:25		lmercer		Tare	38020 lb*
					Net	65080 lb
			* Manual Weight		Tons	32.54

Comments O'RIELY'S - LM (REPLACES VOIDED TICKET # 71677)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.54	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.54	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72050

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# R10
Container
Driver JOE BAUMAN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 09:08:20	SCALE 1	lmercer		Gross	97840 lb*
Out	11/06/2013 09:08:20		lmercer		Tare	38800 lb*
					Net	59040 lb
			* Manual Weight		Tons	29.52

Comments RHINO - LM (REPLACES VOIDED TICKET # 71681)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.52	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.52	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72051

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 09:48:19	SCALE 1	lmercer		Gross	101900 lb*
Out	11/06/2013 09:48:19		lmercer		Tare	38560 lb*
					Net	63340 lb
			* Manual Weight		Tons	31.67

Comments KCPK - LM (REPLACES VOIDED TICKET # 71691)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.67	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.67	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72052

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 09:57:20	SCALE 1	lmercer		Gross	109640 lb*
Out	11/06/2013 09:57:20		lmercer		Tare	41320 lb*
					Net	68320 lb
			* Manual Weight		Tons	34.16

Comments KCPK - LM (REPLACES VOIDED TICKET # 71693)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.16	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.16	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72053

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 10:00:07	SCALE 1	lmercer		Gross	95320 lb*
Out	11/06/2013 10:00:07		lmercer		Tare	34500 lb*
					Net	60820 lb
			* Manual Weight		Tons	30.41

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71694)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.41	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.41	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72054

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 10:39:45	SCALE 1	lmercer		Gross	100700 lb*
Out	11/06/2013 10:39:45		lmercer		Tare	40660 lb*
					Net	60040 lb
			* Manual Weight		Tons	30.02

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71703)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.02	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.02	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72055

Ph: 206 763 5025

Customer Name IQ ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 11:26:30	SCALE 1	lmercer		Gross	101120 lb*
Out	11/06/2013 11:26:30		lmercer		Tare	42880 lb*
					Net	58240 lb
			* Manual Weight		Tons	29.12

Comments KCPK - LM (REPLACES VOIDED TICKET # 71719)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.12	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.12	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72056

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 11:50:00	SCALE 1	lmercer		Gross	97040 lb*
Out	11/06/2013 11:50:00		lmercer		Tare	37140 lb*
					Net	59900 lb
			* Manual Weight		Tons	29.95

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71724)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.95	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.95	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72058

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# R10
Container
Driver JOE BAUMAN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 12:14:59	SCALE 1	lmercer		Gross	104660 lb*
Out	11/06/2013 12:14:59		lmercer		Tare	38800 lb*
					Net	65860 lb
			* Manual Weight		Tons	32.93

Comments RHINO - LM (REPLACES VOIDED TICKET # 71727)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.93	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.93	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72059

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 12:53:05	SCALE 1	lmercer		Gross	99840 lb*
Out	11/06/2013 12:53:05		lmercer		Tare	38560 lb*
					Net	61280 lb
			* Manual Weight		Tons	30.64

Comments KCPK - LM (REPLACES VOIDED TICKET # 71738)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.64	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.64	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72060

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 13:02:27	SCALE 1	lmercer		Gross	109480 lb*
Out	11/06/2013 13:02:27		lmercer		Tare	41320 lb*
					Net	68160 lb
			* Manual Weight		Tons	34.08

Comments KCPK - LM (REPLACES VOIDED TICKET # 71741)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	34.08	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	34.08	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72061

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 13:08:13	SCALE 1	lmercer		Gross	98040 lb*
Out	11/06/2013 13:08:13		lmercer		Tare	34500 lb*
					Net	63540 lb
			* Manual Weight		Tons	31.77

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71743)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.77	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.77	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72062

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 13:20:45	SCALE 1	lmercer		Gross	94720 lb*
Out	11/06/2013 13:20:45		lmercer		Tare	40660 lb*
					Net	54060 lb
			* Manual Weight		Tons	27.03

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71745)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.03	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	27.03	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72063

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 14:07:19	SCALE 1	lmercer		Gross	102100 lb*
Out	11/06/2013 14:07:19		lmercer		Tare	42880 lb*
					Net	59220 lb
			* Manual Weight		Tons	29.61

Comments KCPK - LM (REPLACES VOIDED TICKET # 71755)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.61	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.61	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72064

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/06/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/06/2013 14:45:41	SCALE 1	lmercer		Gross	94580 lb*
Out	11/06/2013 14:45:41		lmercer		Tare	37140 lb*
					Net	57440 lb
			* Manual Weight		Tons	28.72

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71761)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.72	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	28.72	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72065

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 08:20:57	SCALE 1	lmercer		Gross	107100 lb*
Out	11/07/2013 08:20:57		lmercer		Tare	40660 lb*
					Net	66440 lb
			* Manual Weight		Tons	33.22

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71775)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.22	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.22	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72066

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 08:46:38	SCALE 1	lmercer		Gross	102040 lb*
Out	11/07/2013 08:46:38		lmercer		Tare	38560 lb*
					Net	63480 lb
			* Manual Weight		Tons	31.74

Comments KCPK - LM (REPLACES VOIDED TICKET # 71779)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.74	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.74	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72067

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 09:06:07	SCALE 1	lmercer		Gross	98220 lb*
Out	11/07/2013 09:06:07		lmercer		Tare	42880 lb*
					Net	55340 lb
			* Manual Weight		Tons	27.67

Comments KCPK - LM (REPLACES VOIDED TICKET # 71781)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.67	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	27.67	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72068

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 09:14:14	SCALE 1	lmercer		Gross	107360 lb*
Out	11/07/2013 09:14:14		lmercer		Tare	41320 lb*
					Net	66040 lb
			* Manual Weight		Tons	33.02

Comments KCPK - LM (REPLACES VOIDED TICKET # 71783)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.02	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.02	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72069

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# R2T
Container
Driver DAVE GALLOWAY
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 09:26:16	SCALE 1	lmercer		Gross	98320 lb*
Out	11/07/2013 09:26:16		lmercer		Tare	38020 lb*
					Net	60300 lb
			* Manual Weight		Tons	30.15

Comments O'RIELLY'S - LM (REPLACES VOIDED TICKET # 71785)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.15	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.15	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72070

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 09:57:05	SCALE 1	lmercer		Gross	93160 lb*
Out	11/07/2013 09:57:05		lmercer		Tare	37140 lb*
					Net	56020 lb
			* Manual Weight		Tons	28.01

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71792)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.01	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	28.01	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72071

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 10:08:47	SCALE 1	lmercer		Gross	106220 lb*
Out	11/07/2013 10:08:47		lmercer		Tare	34500 lb*
					Net	71720 lb
			* Manual Weight		Tons	35.86

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71794)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	35.86	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	35.86	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72072

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 11:07:02	SCALE 1	lmercer		Gross	100580 lb*
Out	11/07/2013 11:07:02		lmercer		Tare	40660 lb*
					Net	59920 lb
			* Manual Weight		Tons	29.96

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71803)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.96	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	29.96	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72073

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 11:59:53	SCALE 1	lmercer		Gross	104780 lb*
Out	11/07/2013 11:59:53		lmercer		Tare	38560 lb*
					Net	66220 lb
			* Manual Weight		Tons	33.11

Comments KCPK - LM (REPLACES VOIDED TICKET # 71808)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.11	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.11	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72074

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 12:28:02	SCALE 1	lmercer		Gross	107680 lb*
Out	11/07/2013 12:28:02		lmercer		Tare	42880 lb*
					Net	64800 lb
			* Manual Weight		Tons	32.40

Comments KCPK - LM (REPLACES VOIDED TICKET # 71815)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.40	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.40	Tons				KING

Total Tax
Total Ticket

ver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72075

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 12:31:29	SCALE 1	lmercer		Gross	106600 lb*
Out	11/07/2013 12:31:29		lmercer		Tare	41320 lb*
					Net	65280 lb
			* Manual Weight		Tons	32.64

Comments KCPK - LM (REPLACES VOIDED TICKET # 71816)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.64	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.64	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72076

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 13:19:10	SCALE 1	lmercer		Gross	91280 lb*
Out	11/07/2013 13:19:10		lmercer		Tare	37140 lb*
					Net	54140 lb
			* Manual Weight		Tons	27.07

Comments AC PAVING - LM (REPLACES VOIDED TICKET # 71824)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.07	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	27.07	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72077

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 13:25:56	SCALE 1	lmercer		Gross	99080 lb*
Out	11/07/2013 13:25:56		lmercer		Tare	34500 lb*
					Net	64580 lb
			* Manual Weight		Tons	32.29

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71826)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.29	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.29	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72078

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 13:56:26	SCALE 1	lmercer		Gross	102460 lb*
Out	11/07/2013 13:56:26		lmercer		Tare	40660 lb*
					Net	61800 lb
			* Manual Weight		Tons	30.90

Comments MAJESTIK - LM (REPLACES VOIDED TICKET # 71831)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.90	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	30.90	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72079

Customer Name IQ ENVIRONMENTAL AND INFRASTR
Ticket Date 11/07/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/07/2013 14:45:19	SCALE 1	lmercer		Gross	106520 lb*
Out	11/07/2013 14:45:19		lmercer		Tare	38560 lb*
					Net	67960 lb
			* Manual Weight		Tons	33.98

Comments KCPK - LM (REPLACES VOIDED TICKET # 71842)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.98	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.98	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72080

Ph: 206 763 5025

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/08/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K109
Container
Driver MIKE NICHOLS
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/08/2013 06:58:52	SCALE 1	lmercer		Gross	108380 lb*
Out	11/08/2013 06:58:52		lmercer		Tare	41320 lb*
					Net	67060 lb
			* Manual Weight		Tons	33.53

Comments KCPK - LM (REPLACES VOIDED TICKET # 71848)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.53	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.53	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72081

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/08/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K19SD
Container
Driver JAKE COMPTON
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/08/2013 07:02:16	SCALE 1	lmercer		Gross	109120 lb*
Out	11/08/2013 07:02:16		lmercer		Tare	42880 lb*
					Net	66240 lb
			* Manual Weight		Tons	33.12

Comments KCPK - LM (REPLACES VOIDED TICKET # 71849)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	33.12	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	33.12	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72082

Customer Name ID ENVIRONMENTAL AND INFRASTR
Ticket Date 11/08/2013
Payment Type Credit Account
Manual Ticket# 73637
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K39
Container
Driver GORDY GROEN
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/08/2013 08:25:00	SCALE 1	lmercer		Gross	101800 lb*
Out	11/08/2013 08:25:00		lmercer		Tare	38560 lb*
					Net	63240 lb
			* Manual Weight		Tons	31.62

Comments KXPK - LM (RE: MANUAL TICKET # 53637)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.62	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.62	Tons				

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 72083

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/08/2013
Payment Type Credit Account
Manual Ticket# 53638
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/08/2013 08:51:00	SCALE 1	lmercer		Gross	100360 lb*
Out	11/08/2013 08:51:00		lmercer		Tare	37140 lb*
					Net	63220 lb
			* Manual Weight		Tons	31.61

Comments AC PAVING - LM (RE: MANUAL TICKET # 53638)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.61	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.61	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72084

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/08/2013
Payment Type Credit Account
Manual Ticket# 53639
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/08/2013 09:10:00	SCALE 1	lmercer		Gross	103020 lb*
Out	11/08/2013 09:10:00		lmercer		Tare	40660 lb*
					Net	62360 lb
			* Manual Weight		Tons	31.18

Comments MAJESTIK - LM (RE: MANUAL TICKET # 53639)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.18	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	31.18	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72085

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/08/2013
Payment Type Credit Account
Manual Ticket# 53640
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# A4
Container
Driver DAVID PURSELL
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/08/2013 12:01:00	SCALE 1	lmercer		Gross	102800 lb*
Out	11/08/2013 12:01:00		lmercer		Tare	37140 lb*
					Net	65660 lb
			* Manual Weight		Tons	32.83

Comments AC PAVING - LM (RE: MANUAL TICKET # 53640)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	32.83	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	32.83	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 72086

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/08/2013
Payment Type Credit Account
Manual Ticket# 53642
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# M769
Volume
Container
Driver TOM DEHART
Check#
Billing# 0000313
Grid

	Time	Scale	Operator	Inbound		
In	11/08/2013 12:15:00	SCALE 1	lmercer		Gross	97700 lb*
Out	11/08/2013 12:15:00		lmercer		Tare	40660 lb*
					Net	57040 lb
			* Manual Weight		Tons	28.52

Comments MAJESTIK - LM (RE: MANUAL TICKET # 53642)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.52	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	28.52	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 72146

Ph: 206 763 5025

Customer Name IO ENVIRONMENTAL AND INFRASTR
Ticket Date 11/01/2013
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 108330WA

Carrier SELF HAULER *
Vehicle# K3T
Container
Driver ROGER KRUPP
Check#
Billing# 0000313
Grid

Volume

	Time	Scale	Operator	Inbound		
In	11/01/2013 10:05:31	SCALE 1	lmercer		Gross	89240 lb*
Out	11/01/2013 10:05:31		lmercer		Tare	34500 lb*
					Net	54740 lb
			* Manual Weight		Tons	27.37

Comments KRUPP - LM (REPLACES VOIDED TICKET # 71394)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.37	Tons				KING
2	GONDOLA 16.77/TN-GONDOLA	100	27.37	Tons				

Total Tax
Total Ticket

Driver's Signature

208

WASTE MANAGEMENT

ALASKA STREET RELOAD FACILITY
70 SOUTH ALASKA STREET
SEATTLE, WASHINGTON 98134
(206) 763-5025

SCALE TICKET

53637

E 11-8-13
E 8:25 / —
IN / OUT

TOMER BILLED IO Environmental
RESS
DRIVER ON ✓ OFF
MODITY 108330WA
T. HAULED 15CPK39 GORDY GROEN
SIZE Gordy
CK # K39 R.T. # RECEIPT #
WEIGHER MO

GROSS 101800
TARE 38560
NET 63240
AMOUNT ~~32~~ 31.62

WASTE MANAGEMENT

ALASKA STREET RELOAD FACILITY
70 SOUTH ALASKA STREET
SEATTLE, WASHINGTON 98134
(206) 763-5025

SCALE TICKET

53638

E 11-8-13
E 8:51 / —
IN / OUT

TOMER BILLED 108330WA
RESS IO Environmental
DRIVER ON ✓ OFF
MODITY David Purcell
T. HAULED AC Paving
SIZE
CK # A4 R.T. # RECEIPT #
WEIGHER MO

GROSS 100360
TARE 37140
NET 63220
AMOUNT 31.61

WASTE MANAGEMENT

ALASKA STREET RELOAD FACILITY
70 SOUTH ALASKA STREET
SEATTLE, WASHINGTON 98134
(206) 763-5025

SCALE TICKET

53639

E 11-8-13
E 9:10 / —
IN / OUT

TOMER BILLED IO Environmental
RESS
DRIVER ON ✓ OFF
MODITY 108330 WA
T. HAULED Tom Dehart
SIZE
CK # M769 R.T. # RECEIPT #
WEIGHER MO

GROSS 103020
TARE 40660
NET 62360
AMOUNT 31.18

WASTE MANAGEMENT

ALASKA STREET RELOAD FACILITY
70 SOUTH ALASKA STREET
SEATTLE, WASHINGTON 98134
(206) 763-5025

SCALE TICKET

53640

TE 11-8-13
E 12:01 IN / OUT

STOMER BILLED 108330WA
DRESS I-O Env
MMODITY David Pursell
ST. HAULED A/C Paving
UCK # A4 R.T. # RECEIPT #

DRIVER ON ✓ OFF

SIZE

GROSS 102800
TARE 37,140
NET 65660
AMOUNT 32.83
WEIGHER Jmelce

WASTE MANAGEMENT

ALASKA STREET RELOAD FACILITY
70 SOUTH ALASKA STREET
SEATTLE, WASHINGTON 98134
(206) 763-5025

SCALE TICKET

53642

E 11-8-13
E 12:15 IN / OUT

TOMER BILLED I-O Environmental
RESS
MODITY 108330WA
T. HAULED Tom DeHart
CK # M769 R.T. # RECEIPT #

DRIVER ON ✓ OFF

SIZE

GROSS 97700
TARE 40660
NET 57040
AMOUNT 28.52
WEIGHER

APPENDIX C

Laboratory Reports
Chain-of-Custody Forms

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 31, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31029-6)*** Project.

Samples were received on *October 29, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

B31029-6 (1)

Chain of Custody Record

Fremont Analytical ADVANCED ANALYTIC

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10-29-13

Laboratory Project No (internal):

Page: of:

Client: PBS ENV.

Address:

City, State, Zip: SEATTLE, WA Tel: 206.498.6310

Reports To (PM): TOM MERGY Fax: Email: TOM.Mergy@pbsenv.com

Project Name: FIRE TRAINING ACADEMY

Location: ARF

Collected by: KEN NOGIERED

Project No: 40535.170

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)**				Comments/Depth
1	A-1	10/29/13	12:40	SOIL						X												
2	A-2	↓	12:45	↓						X												
3	A-I-1		13:00			X				X		X										OIL
4	A-3		14:10							X												
5	A-4		14:15							X												
6	A-5		14:20							X												
7	A-6		15:20							X												
8	A-7		15:25							X												
9	A-8	↓	15:35	↓						X												
10																						

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/29/13 17:15	x V. Drawn	10/29/13 17:15
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT --> Next Day 2 Day 3 Day STD

Distribution: White - Lab, Yellow - File, Pink - Originator

www.fremontanalytical.com

1331029-6 (2)

Chain of Custody Record

~~Fremont Analytical~~ ADVANCED ANALYTIC

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 10/29/13

Laboratory Project No (internal):

Page: of:

Client: PBS ENG.

Address:

City, State, Zip: SEATTLE, WA Tel: 206.498.6310

Project Name: ~~FIRE TRAINING ACADEMY~~

Location: ARF

Collected by: TOM MERCY

Reports To (PM): Fax: Email: Project No: 40535.170

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	GX/BTEX by EPA 8021b	BTEX by 8260	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Cl Pesticides (EPA 8081)	Cl Herbicides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)**				Comments/Depth
1	B-1	10/29/13	1:00	SOIL						X												OIL
2	D-1		1:10							X												
3	D-2		1:13							X												
4	D-3		1:15							X												
5	D-4		1:18							X												
6	D-5		1:20							X												
7	D-6		2:40							X												
8	D-7		2:45							X												
9	G-1		3:00							X												
10	G-2		3:10							X												

*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

**Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:

Relinquished	Date/Time	Received	Date/Time
x [signature]	10/29/13 17:15	x V. Franco	10/29/13 17:15
x		x	

TAT--> Next Day 2 Day 3 Day STD

G-3 10/29 3:12 X

Distribution: White - Lab, Yellow - File, Pink - Originator

www.fremontanalytical.com

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	B31029-6
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	10/29/13

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31029-6
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/29/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	A-1	A-2	A-I-1	A-3	A-4	A-5
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Date analyzed	Limits	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	5,500	nd	57,000	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	118%	C	125%	C	126%	126%	128%
o-Terphenyl	110%	116%	109%	C	110%	110%	112%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31029-6
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/29/13

Analytical Results

NWTPH-Dx, mg/kg		A-6	A-7	A-8	B-1	D-1	D-2	D-3
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Date analyzed	Limits	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	51,000	10,000	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	125%	125%	125%	C	C	129%	130%
o-Terphenyl	109%	109%	109%	C	C	112%	111%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31029-6
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/29/13

Analytical Results

NWTPH-Dx, mg/kg		D-4	D-5	D-6	D-7	G-1	G-2	G-3	Dupl G-3
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Date analyzed	Limits	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	129%	130%	130%	129%	128%	129%	129%	125%
o-Terphenyl	111%	112%	113%	113%	114%	112%	112%	114%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31029-6
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/29/13

Analytical Results

NWTPH-Gx/BTEX		MTH BLK	LCS	A-I-1	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Date analyzed	Limits	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd		nd			
Gasoline	5.0	nd		nd			
BTEX 8021B, µg/kg							
Benzene	20	nd	97%	nd	95%	98%	3%
Toluene	50	nd	94%	nd	95%	96%	1%
Ethylbenzene	50	nd		560			
Xylenes	50	nd		4,900			
Surrogate recoveries:							
Trifluorotoluene		77%	96%	92%	98%	94%	
Bromofluorobenzene		80%	92%	93%	96%	94%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31029-6
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/29/13

Analytical Results

PAH (8270 sim), mg/kg		MTH BLK	LCS	A-I-1	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
Date analyzed	Limits	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13	10/29/13
1-Methylnaphthalene	0.10	nd		310			
2-Methylnaphthalene	0.10	nd		390			
Naphthalene	0.10	nd		72			
Acenaphthylene	0.10	nd		16			
Acenaphthene	0.10	nd	115%	4.7	118%	123%	4%
Fluorene	0.10	nd		14			
Phenanthrene	0.10	nd		16			
Anthracene	0.10	nd		nd			
Fluoranthene	0.10	nd		6.2			
Pyrene	0.10	nd	127%	8.5	109%	113%	3%
Benzo(a)anthracene	0.10	nd		1.9			
Chrysene	0.10	nd		2.2			
Benzo(b)fluoranthene	0.10	nd		1.6			
Benzo(k)fluoranthene	0.10	nd		nd			
Benzo(a)pyrene	0.10	nd		1.7			
Indeno(1,2,3-cd)pyrene	0.10	nd		0.94			
Dibenzo(ah)anthracene	0.10	nd		0.18			
Benzo(ghi)perylene	0.10	nd		1.1			

Surrogate recoveries:

2-Fluorobyphenyl	102%	80%	140%	81%	81%
o-Terphenyl	115%	69%	103%	72%	69%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
Results reported on dry-weight basis
Acceptable Recovery limits: 50% TO 150%
Acceptable RPD limit: 50%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

October 31, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31030-3)*** Project.

Samples were received on *October 30, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

ADVANCED ANALYTICAL

Chain of Custody Record

(1)

Laboratory Job #: B31030-3

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

Client: PBS Environmental

Project Manager: Tom Mergy

Address:

Phone: 509.572.8163 Fax:

Project Name: Fire Training Academy

Project Number: 40535.170

Collector: K. Nogeire

Date of collection: 10.30.13

	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	A-9	1010	Soil							X												
2	A-10	1015	↓							X												
3	F-1	1025						X		X												
4	F-2	1030								X												
5	H-1	1240								X												
6	H-2	1245								X												
7	H-3	1250						⊗		X												
8	E-1	1310					added			X												
9	E-2	1315						~~X~~		X												
10	E-3	1320					Canceled			X												
11	E-4	1325					per K. Nogeire 10/31/13 VG			X												
12	D-8	1450	↓							X												

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	BYS 10.30.13	V. Rand	10/30/13 16:40
Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10-30-13 4:40		

Sample receipt info:

Total # of containers: 24

Condition (temp, °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

Rush 24 hr X

48 hr O

Standard O

ADVANCED ANALYTICAL

Chain of Custody Record

(2)

Laboratory Job #: B310303

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

Client: DBS Environmental

Project Manager: Tom Mergy

Address:

Phone: 509.572.8163 Fax:

Project Name: Fire Training Academy

Project Number: 405 35.170

Collector: K. Nagere

Date of collection: 10.30.13

	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	D-9	1455	soil							X													
2	B-2	1510	↓							X													
3	B-3	1515	↓							X													
4	B-4	1520	↓							X													
5	B-5	1525	↓							X													
6	B-6	1530	↓							X			X										
7																							
8																							
9																							
10																							
11																							
12																							

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	1545 10.30.13	V. Kauer	10/30/13 16:40
Relinquished by:	Date/Time	Received by:	Date/Time
[signature] McRae	10-30-13 4:40		

Sample receipt info:

Total # of containers: 24

Condition (temp, °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

Rush 24 hr X

48 hr O

Standard O

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	B31030-3
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	10/30/13

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31030-3
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/30/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	A-9	A-10	F-1	F-2	H-1	H-2
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
Date analyzed	Limits	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	1,700	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	128%	129%	130%	C	128%	127%	124%
o-Terphenyl	113%	118%	113%	C	114%	112%	112%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31030-3
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/30/13

Analytical Results

NWTPH-Dx, mg/kg		H-3	E-1	E-2	E-3	E-4	D-8	D-9
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
Date analyzed	Limits	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
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	122%	125%	123%	122%	121%	122%	122%
o-Terphenyl	114%	114%	114%	115%	112%	115%	115%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31030-3
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	10/30/13

Analytical Results

							Dupl	RPD
NWTPH-Dx, mg/kg		**B-2**	**B-3**	**B-4**	**B-5**	**B-6**	**B-6**	**B-6**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
Date analyzed	Limits	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	
Diesel/Fuel oil	20	nd	nd	nd	nd	6,900	7,000	1%
Heavy oil	50	nd	nd	nd	nd	nd	nd	

Surrogate recoveries:

Fluorobiphenyl	124%	123%	122%	126%	C	C	
o-Terphenyl	116%	115%	115%	117%	C	C	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31030-3
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/30/13

Analytical Results

NWTPH-Gx/BTEX		MTH BLK	LCS	F-1	H-3	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
Date analyzed	Limits	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13	10/30/13
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	84%	nd	nd	80%	80%	0%
Toluene	50	nd	82%	nd	nd	78%	77%	1%
Ethylbenzene	50	nd		100	nd			
Xylenes	50	nd		390	nd			
Surrogate recoveries:								
Trifluorotoluene		83%	93%	105%	124%	91%	92%	
Bromofluorobenzene		95%	90%	112%	111%	89%	90%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31030-3
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/30/13

Analytical Results

PAH (8270 sim), mg/kg		MTH BLK	LCS	B-6	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
Date analyzed	Limits	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
1-Methylnaphthalene	0.10	nd		24			
2-Methylnaphthalene	0.10	nd		32			
Naphthalene	0.10	nd		11			
Acenaphthylene	0.10	nd		1.4			
Acenaphthene	0.10	nd	118%	0.29	122%	119%	3%
Fluorene	0.10	nd		1.2			
Phenanthrene	0.10	nd		1.0			
Anthracene	0.10	nd		nd			
Fluoranthene	0.10	nd		0.39			
Pyrene	0.10	nd	103%	0.56	102%	99%	2%
Benzo(a)anthracene	0.10	nd		0.19			
Chrysene	0.10	nd		0.22			
Benzo(b)fluoranthene	0.10	nd		0.18			
Benzo(k)fluoranthene	0.10	nd		nd			
Benzo(a)pyrene	0.10	nd		nd			
Indeno(1,2,3-cd)pyrene	0.10	nd		nd			
Dibenzo(ah)anthracene	0.10	nd		nd			
Benzo(ghi)perylene	0.10	nd		nd			

Surrogate recoveries:

2-Fluorobyphenyl	109%	80%	106%	80%	79%
o-Terphenyl	125%	70%	110%	85%	75%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
Results reported on dry-weight basis
Acceptable Recovery limits: 50% TO 150%
Acceptable RPD limit: 50%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

November 01, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31031-4)*** Project.

Samples were received on *October 31, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

ADVANCED ANALYTICAL

Chain of Custody Record

Laboratory Job #: B31031-4

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

Client: PBS Engineer

Project Manager: Tom Mergy

Address:

Phone: Fax:

Project Name: FTA - ARFF

Project Number: 40535.170

Collector: K. Nogure

Date of collection: 10-31-13

	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	B-7	0150	Soil							X												
2	B-8	1155								X												
3	B-9	1200								X												
4	B-10	1205						X		X												
5	B-11	1210								X												
6	B-12	1240								X												
7	B-13	1245								X												
8	B-14	1250								X												
9	B-15	1255								X												
10	B-16	1300								X												
11	B-17	1305						X		X												
12	C-1	1415						X		X												
	C-2	1420								X												
	DUP - 10.31.13									X												

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/31/13 17:25	V. Wanov	10/31/13 17:25
Relinquished by:	Date/Time	Received by:	Date/Time

Sample receipt info:

Total # of containers: 20

Condition (temp, °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr X

48 hr O

Standard O

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	B31031-4
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	10/31/13

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31031-4
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/31/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	B-7	B-8	B-9	B-10	B-11	B-12
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
Date analyzed	Limits	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	40	nd	42
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	93%	119%	109%	105%	103%	98%	97%
o-Terphenyl	85%	129%	117%	108%	99%	96%	91%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31031-4
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/31/13

Analytical Results

NWTPH-Dx, mg/kg		B-13	B-14	B-15	B-16	B-17	C-1	C-2	Dupl C-2
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
Date analyzed	Limits	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	31	nd	nd
Heavy oil	50	nd	nd	nd	nd	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	95%	96%	93%	94%	96%	98%	96%	96%
o-Terphenyl	90%	89%	87%	87%	89%	89%	88%	89%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31031-4
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	10/31/13

Analytical Results

NWTPH-Dx, mg/kg		DUP-10.31.13
Matrix	Soil	Soil
Date extracted	Reporting	10/31/13
Date analyzed	Limits	10/31/13
Kerosene/Jet fuel	20	nd
Diesel/Fuel oil	20	37
Heavy oil	50	nd

Surrogate recoveries:

Fluorobiphenyl	100%
o-Terphenyl	89%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31031-4
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 10/31/13

Analytical Results

NWTPH-Gx/BTEX		MTH BLK	LCS	B-10	B-17	C-1	Dupl C-1
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
Date analyzed	Limits	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13	10/31/13
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	84%	nd	nd	nd	nd
Toluene	50	nd	85%	nd	nd	nd	nd
Ethylbenzene	50	nd		nd	nd	nd	nd
Xylenes	50	nd		nd	nd	nd	nd
Surrogate recoveries:							
Trifluorotoluene		113%	102%	95%	80%	91%	128%
Bromofluorobenzene		97%	99%	99%	88%	97%	98%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

November 04, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31101-2)*** Project.

Samples were received on *November 01, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

ADVANCED ANALYTICAL

Chain of Custody Record

Laboratory Job #: B31101-2

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

Client: PBS Eng & Env

Project Manager: Tom MERGY

Address: 2517 Eastlake Ave E

Phone: 206.233.9639 Fax:

Project Name: FIRE TRAINING ACADEMY

Project Number: 40535.170

Collector: Harry Foren

Date of collection: 11/1/13

	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	A-11	1155	S							X											BOTT DITCH	
2	F-3	1205	S							X											F SCRAPE ESIDE	
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Relinquished by:	Date/Time	Received by:	Date/Time
Harry Foren	11/1/13 4:30	V. Ivanov	11/01/13 4:30 pm
Relinquished by:	Date/Time	Received by:	Date/Time

Sample receipt info:

Total # of containers:

Condition (temp, °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr X

48 hr O

Standard O

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31101-2
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/01/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	A-11	F-3	Dupl F-3
Matrix	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/01/13	11/01/13	11/01/13	11/01/13
Date analyzed	Limits	11/01/13	11/01/13	11/01/13	11/01/13
Kerosene/Jet fuel	20	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	12,000	nd	nd
Heavy oil	50	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	78%	C	96%	99%
o-Terphenyl	94%	107%	89%	91%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

November 05, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31104-1)*** Project.

Samples were received on *November 04, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

ADVANCED ANALYTICAL

Chain of Custody Record

Page of

Laboratory Job #: B3.1104-1

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

Client: PBS ENV.

Project Manager: TOM MERLY

Address: SEATTLE,

Phone: Fax:

Project Name: FTA-ARFF

Project Number: 40535

Collector: TOM MERLY

Date of collection: 11/4/13

	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	A-12 (10')	13:20	SOIL							X													
2	A-13 (8'-6")	13:40	SOIL							X													
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	11/4/13 16:48	V. Ivanov	11/4/13 16:50
Relinquished by:	Date/Time	Received by:	Date/Time

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr X

48 hr O

Standard O

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	B31104-1
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/04/13

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31104-1
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/04/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	A-12 (10')	A-13 (8'-6"')	Dupl A-13 (8'-6"')
Matrix	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/04/13	11/04/13	11/04/13	11/04/13
Date analyzed	Limits	11/04/13	11/04/13	11/04/13	11/04/13
Kerosene/Jet fuel	20	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	54	230	230
Heavy oil	50	nd	nd	nd	nd
Surrogate recoveries:					
Fluorobiphenyl		112%	105%	95%	99%
o-Terphenyl		84%	72%	70%	85%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

November 06, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31105-4)*** Project.

Samples were received on *November 05, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

ADVANCED ANALYTICAL

Chain of Custody Record

Page of

Laboratory Job #: B31105-4

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

Client: PBS ENV.

Project Manager: Tom MERGY

Address: SEATTLE, WA

Phone: 206-498-6310 Fax:

Project Name: FTA-ARFF

Project Number: 40535.170

Collector: Tom MERGY

Date of collection: 11/5/13

	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	E-5	12:30	SOIL							x												
2	E-6	12:35								x												
3	E-7	12:40								x												
4	E-8	12:45								x												
5	TP#3 (A-13)	12:50						x		x											5035 vial + 4oz	
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	11/5/13 16:25	[signature]	11/05/13 16:25
Relinquished by:	Date/Time	Received by:	Date/Time

Sample receipt info:

Total # of containers:

Condition (temp, °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr X

48 hr O

Standard O

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	B31105-4
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/05/13

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31105-4
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/05/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	E-5	E-6	E-7	E-8	TP#3 (A-13)
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/05/13	11/05/13	11/05/13	11/05/13	11/05/13	11/05/13
Date analyzed	Limits	11/05/13	11/05/13	11/05/13	11/05/13	11/05/13	11/05/13
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	6,800
Heavy oil	50	nd	nd	nd	nd	nd	nd
Surrogate recoveries:							
Fluorobiphenyl		107%	105%	105%	104%	107%	C
o-Terphenyl		98%	91%	90%	90%	91%	95%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31105-4
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/05/13

Analytical Results		Dupl	RPD
NWTPH-Dx, mg/kg		**TP#3 (A-13)**	**TP#3 (A-13)**
Matrix	Soil	Soil	Soil
Date extracted	Reporting	11/05/13	11/05/13
Date analyzed	Limits	11/05/13	11/05/13
Kerosene/Jet fuel	20	nd	
Diesel/Fuel oil	20	6,900	1%
Heavy oil	50	nd	

Surrogate recoveries:	
Fluorobiphenyl	C
o-Terphenyl	97%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31105-4
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 11/05/13

Analytical Results

NWTPH-Gx/BTEX		MTH BLK	LCS	TP#3 (A-13)	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13
Date analyzed	Limits	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd		nd			
Gasoline	5.0	nd		nd			
BTEX 8021B, µg/kg							
Benzene	20	nd	78%	nd	112%	102%	10%
Toluene	50	nd	77%	nd	122%	98%	22%
Ethylbenzene	50	nd		1,000			
Xylenes	50	nd		4,500			
Surrogate recoveries:							
Trifluorotoluene		78%	76%	74%	91%	80%	
Bromofluorobenzene		82%	75%	78%	79%	80%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

ADVANCED ANALYTICAL

Environmental Testing Laboratory

November 07, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31106-3)*** Project.

Samples were received on *November 06, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

ADVANCED ANALYTICAL

Chain of Custody Record

Laboratory Job #: B3 1106-3

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

Client: PBS Engineering

Project Manager: Tom Mergy

Address: Eastlake, Seattle

Phone:

Fax: tom.mergy@pbsenv.com

Project Name: FTA

Project Number: 40535.170

Collector: K. Nogeire

Date of collection: 11.6.13

	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	B-18	1310	Soil	1						X													
2	B-19	1315		1						X													
3	B-20	1320		1						X													
4	B-21	1420		1						X													
5	B-22	1435		3				X		X													
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Relinquished by:	Date/Time	Received by:	Date/Time
K. Nogeire	11.6.13 1653	V. Shaw	11/06/13 16:55
Relinquished by:	Date/Time	Received by:	Date/Time

Sample receipt info:

Total # of containers:

Condition (temp, °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr X

48 hr O

Standard O

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	B31106-3
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/06/13

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31106-3
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/06/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	B-18	B-19	B-20	B-21	B-22	Dupl B-22
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13
Date analyzed	Limits	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13
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	115%	114%	111%	112%	116%	118%	119%
o-Terphenyl	113%	96%	93%	96%	98%	99%	100%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number: B31106-3
Client: PBS Environmental
Project Manager: Tom Mergy
Client Project Name: Fire Training Academy
Client Project Number: 40535.170
Date received: 11/06/13

Analytical Results

NWTPH-Gx/BTEX		MTH BLK	LCS	B-22	MS	MSD	RPD
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13
Date analyzed	Limits	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13	11/06/13
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard	5.0	nd		nd			
Gasoline	5.0	nd		nd			
BTEX 8021B, µg/kg							
Benzene	20	nd	78%	nd	95%	102%	7%
Toluene	50	nd	77%	nd	92%	98%	6%
Ethylbenzene	50	nd		nd			
Xylenes	50	nd		nd			
Surrogate recoveries:							
Trifluorotoluene		78%	76%	79%	84%	83%	
Bromofluorobenzene		82%	75%	82%	83%	80%	

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

November 08, 2013

Tom Mergy
PBS Environmental
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Dear Mr. Mergy:

Please find enclosed the analytical data report for the *Fire Training Academy, 40535.170* ***(B31107-2)*** Project.

Samples were received on *November 07, 2013*. 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) 497-0110.

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

Overlake Business Center ■ 2821 152 Avenue NE ■ Redmond, WA 98052
ph 425.497.0110 fax 425.497.8089
E-mail: aachemlab@yahoo.com

This report is issued solely for the use of the person or company to whom it is addressed.
Any use, copying or disclosure other than by the intended recipient is unauthorized.

ADVANCED ANALYTICAL

Chain of Custody Record

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

Laboratory Job #: B31107-2

Client: PBS Engineering

Project Manager: Tom Mergy

Address: Eastlake, Seattle

Phone: tom.mergy@pbsenv.com Fax:

Project Name: FTA

Project Number: 40535.170

Collector: K. Nogere

Date of collection: 11/7/13

	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	B-23	1150	soil					X		X												
2	B-24	1220	soil					X		X												
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Relinquished by:	Date/Time	Received by:	Date/Time
K. Nogere	11/7/13 1350	V. Ruano	11/7/13 15:50
Relinquished by:	Date/Time	Received by:	Date/Time

Sample receipt info:

Total # of containers:

Condition (temp. °C)

Seals (intact?, Y/N)

Comments:

Turnaround time:

Same day O

24 hr X

48 hr O

Standard O

Advanced Analytical Laboratory
(425)497-0110, fax(425)497-8089

AAL Job Number:	B31107-2
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/07/13

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31107-2
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/07/13

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	B-23	B-24	Dupl B-24
Matrix	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/07/13	11/07/13	11/07/13	11/07/13
Date analyzed	Limits	11/07/13	11/07/13	11/07/13	11/07/13
Kerosene/Jet fuel	20	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	123%	118%	115%	118%
o-Terphenyl	103%	98%	95%	98%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

Advanced Analytical Laboratory
(425) 497-0110, fax (425) 497-8089

AAL Job Number:	B31107-2
Client:	PBS Environmental
Project Manager:	Tom Mergy
Client Project Name:	Fire Training Academy
Client Project Number:	40535.170
Date received:	11/07/13

Analytical Results

NWTPH-Gx/BTEX		MTH BLK	LCS	B-23	B-24	Dupl B-24
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/07/13	11/07/13	11/07/13	11/07/13	11/07/13
Date analyzed	Limits	11/07/13	11/07/13	11/07/13	11/07/13	11/07/13
NWTPH-Gx, mg/kg						
Mineral spirits/Stoddard	5.0	nd		nd	nd	nd
Gasoline	5.0	nd		nd	nd	nd
BTEX 8021B, µg/kg						
Benzene	20	nd	80%	nd	nd	nd
Toluene	50	nd	85%	nd	nd	nd
Ethylbenzene	50	nd		nd	nd	nd
Xylenes	50	nd		nd	nd	nd
Surrogate recoveries:						
Trifluorotoluene		92%	78%	83%	85%	84%
Bromofluorobenzene		90%	80%	80%	83%	87%

Data Qualifiers and Analytical Comments
nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
Results reported on dry-weight basis
Acceptable Recovery limits: 70% TO 130%
Acceptable RPD limit: 30%

APPENDIX D

MTCA Regulatory Standards

Evaluation of Analytical Results per Ecology MTCA Standards:

The analytical results will be compared to the acceptance criteria defined for the types of wastes this plan addresses: “Clean Soil” and Petroleum Contaminated Soil (PCS). Management of the soils will be based on the material meeting the following conditions:

1. If the analytical results show their MTCA metals are within normal background concentrations, and there are no detectable concentrations of other contaminants in the sample, the soil that the sample represents will be designated “clean.” This material may be managed as clean soil.
2. If the analytical results show their MTCA metals are above normal background concentrations and greater than the MTCA Method A Cleanup Levels, and the analytical results for a parameter tested positive, the soil will be managed as “PCS,” at the discretion of the Consultant/Contractor.

MTCA Method A Cleanup Levels for Unrestricted Land Use		
Constituent	**Cleanup Level (mg/kg)**	**Remarks**
Carcinogenic PAHs	0.1*	*Based on calculated benzo-a-pyrene equivalency – see below
MTCA metals:		
Arsenic	20	
Cadmium	2	
Chromium III	2000	
Chromium VI	19	
Lead	250	
Mercury	2	
Gasoline range organics	100	without benzene present
Gasoline range organics	30	with benzene present
Diesel range organics	2000	includes heavy oils

Source: MTCA Table 740-1

It should be noted that the calculation of carcinogenic PAHs (cPAHs) must be performed in accordance with MTCA regulations to determine whether cPAH concentrations meet MTCA level A requirements. The calculation methodology is given in Washington Administrative Code (WAC) Section 173-340-708(8), and the Toxicity Equivalence Factors (TEFs) to be used in the calculations are given in MTCA Section 173-340-900 Table 708-2 which is reproduced below:

Table 708-2
Toxicity Equivalency Factors for Minimum Required Carcinogenic Polyaromatic Hydrocarbons (cPAHs) under WAC 173-340-708(e)

CAS Number	**Hazardous Substance**	**TEF(1)(unit less)**
50-32-08	benzo[a]pyrene	1
56-55-3	benzo[a]anthracene	0.1
205-99-2	benzo[b]fluoranthene	0.1
207-08-9	benzo[k]fluoranthene	0.1
218-01-9	chrysene	0.01
53-70-3	dibenz[a,h]anthracene	0.1
193-39-5	indeno[1,2,3-cd]pyrene	0.1