# GROUNDWATER INVESTIGATION REPORT

# Horse Heaven Hills Travel Plaza 101 Merlot Drive Prosser, Washington 99350

Prepared for: Horse Heaven Hills Travel Plaza 101 Merlot Drive Prosser, WA 99350 And Washington Department of Ecology (Ecology)

Prepared By: Blue Mountain Environmental and Consulting Co., Inc. PO Box 545/125 Main St. Waitsburg, Washington 99361 (360) 666-1465

September 2, 2014

## **TABLE OF CONTENTS**

<u>Sectio</u>	<u>n No.</u>	<u>Page No.</u>
1.0	INTRODUCTION 1.1 Location 1.2 Background	1 1 2
2.0	DRILLING ACTIVITIES	2
3.0	GEOLOGY	3
4.0	HYDROGEOLOGY	4
5.0	SOIL SAMPLES	5
6.0	MONITORING WELL DEVELOPMENT	6
7.0	GROUNDWATER SAMPLES	6
8.0	<ul> <li>SOIL AND GROUNDWATER SAMPLE RESULTS</li> <li>8.1 Soil Sample Results</li> <li>8.2 Groundwater Sample Results</li> </ul>	7 7 8
9.0	INVESTIGATION-DERIVED WASTE	8
10.0	CONCLUSIONS	9
11.0	RECOMMENDATIONS	10
12.0	STATEMENT OF ENVIRONMENTAL PROFESSIONALS	10
13.0	REPORT LIMITATIIONS	11
14.0	REFERENCES	12

#### **FIGURES**

Figure No.	Figure Title

- 1 SITE LOCATION MAP
- 2 MONITORING WELLS AND GROUNDWATER FLOW DIRECTION

## **TABLE OF CONTENTS (Cont.)**

#### **TABLES**

	TABLES
<u>Table No.</u>	Table Title
1	MONITORING WELL INSTALLATION AND SOIL SAMPLE DEPTH DETAILS
2	MONITORING WELL GROUNDWATER SURFACE DATA
3	SOIL SAMPLE RESULTS – TOTAL PETROLEUM HYDROCARBONS AND VOLATILE
	ORGANIC COMPOUNDS (mG/KG)
4	GROUNDWATER SAMPLE RESULTS – TOTAL PETROLEUM HYDROCARBONS AND
	VOLATILE ORGANIC COMPOUNDS (µg/L)
5	GROUNDWATER SAMPLE RESULTS – POLYNUCLEAR AROMATIC HYDROCARBONS
	(µg/L)

#### APPENDICES

- Appendix No. Appendix Title
  - А BORING LOGS
  - В PHOTOGRAPHS
  - С FIELD METHODOLOGIES
  - D **GROUNDWATER SAMPLE FIELD LOGS**
  - Е LABORATORY ANALYTICAL REPORT ACCOMPANIED BY PROPERCHAIN-OF-CUSTODY DOCUMENTATION
  - DISPOSAL LOAD TICKETS F

#### **EXECUTIVE SUMMARY**

In spring of 2014, Blue Mountain Environmental and Consulting (BMEC) Company, Inc., from Waitsburg, Washington was contacted by Mr. Brian Rogers, the previous property owner, regarding performing a groundwater investigation to delineate petroleum hydrocarbon (PHC) contamination in the shallow soils and groundwater related to seven diesel fuel pumps at the Horse Heaven Hills Truck Stop in Prosser, Benton County, Washington. The 3.92-acre property is approximately 720 feet above sea level and located in Township 9 North, Range 24 East, Section 35 of Benton County, Washington of the Willamette Meridian.

A limited site investigation was performed at the Site by BMEC personnel on September 18, 2013 and the results of that site investigation indicated that PHC contaminated soil existed beneath several of the truck stop (east side of commercial building) diesel fuel dispensers at concentrations exceeding Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Cleanup Levels. The depth of the PHC contamination beneath the diesel fuel dispensers was observed to be a minimum of one foot below surface grade (bsg) during the September 2013 site investigation.

A total of 10 soil stockpile samples, 33 soil samples, and three water samples were obtained for laboratory analysis from the Site during the March and April 2014 subsurface investigation activities. 4,144.09 tons of soil was excavated from the vicinity of the former diesel fuel pump dispensers. The soil was hauled to Anderson Rock in Yakima for disposal during the week of August 4-8, 2014. Summaries of the disposal receipts are included in Appendix F.

PHC concentrations exceeding MTCA Method A Cleanup Levels were detected in soil sidewall samples, diesel fuel pump dispenser excavation pit bottom soil samples, former underground storage tank (UST) excavation pit soil samples, and a single groundwater sample obtained from the base of the diesel fuel pump dispenser excavation pit. PHCs detected at concentrations exceeding MTCA Method A Cleanup Levels included total petroleum hydrocarbon (TPH) – diesel range (TPH-D), benzene, and polynuclear aromatic hydrocarbons (PAHs) in soil, as well as TPH-D and PAHs in groundwater.

Groundwater was observed to be at an approximate depth of 8 to 8.5 feet bsg on March 13 and 14, 2014 and as shallow as 3 feet bsg on April 23, 2014. Thus, the MTCA Method A Cleanup Level exceedances in soil should technically be considered a potential groundwater issue moving forward.

During the week of August 12 – 15, 2014, a shallow groundwater investigation was conducted at the Site. During the groundwater investigation, seven monitoring wells were installed at the Site and screened from depths ranging from 4.5 feet to 21.5 feet bsg. A total of 14 soil samples (two per monitoring well boring) and 7 groundwater samples were obtained for laboratory analyses of TPH-D and TPH – heavy oil range (TPH-O) via Northwest Method TPH-Dx; benzene, toluene, ethylbenzene, and xylenes (BTEX) analysis via Environmental Protection Agency (EPA) Method 8021; and PAHs via EPA Method 8270 SIM.

TPH-D was detected in five soil samples collected in August 2014 and ethylbenzene was detected in one soil sample collected in August 2014, but at concentrations that did not exceed MTCA Method A

Cleanup Levels. TPH-D was detected in four groundwater samples collected in August 2014 and TPH-O was detected in one groundwater sample collected in August 2014 at concentrations that did exceed MTCA Method A Cleanup Levels. PAHs were detected in the four groundwater samples analyzed during the August 2014 groundwater investigation, but none of the PAH detections exceeded MTCA Method A Cleanup Levels.

A minimum of three additional quarterly groundwater sampling events are recommended for the Site. The quarterly groundwater sampling events are tentatively scheduled for November 2014, February 2015, and May 2015. Groundwater flow direction for the shallow groundwater was confirmed to be to the southeast based on data collected on August 15, 2014.

#### **<u>1.0</u> INTRODUCTION**

Blue Mountain Environmental & Consulting Company, Inc. (BMEC) from Waitsburg, Washington was contracted by Mr. Brian Rogers to perform additional delineation of the petroleum hydrocarbon (PHC) contamination in the vadose zone soils and groundwater for the Horse Heaven Hills Travel Plaza property located at 101 Merlot Drive, Prosser, Washington 99350 (hereafter referred to as the "Site"). Collection of soil and groundwater samples occurred via BMEC personnel conducting a groundwater investigation at the Site from August 12 - 15, 2014 to further characterize the nature and extent of vadose zone soil and shallow groundwater contamination per the Washington Department of Ecology (Ecology) guidelines based on the Model Toxics Control Act (MTCA) Method A Cleanup Levels for Unrestricted Land Use.

Specific objectives for the August 2014 groundwater investigation included:

- Additional delineation of the horizontal and vertical extent of diesel fuel contamination in the vadose zone soils at concentrations exceeding the MTCA Method A Cleanup Levels for Unrestricted Land Use.
- Additional delineation of the horizontal extent of diesel fuel contamination in the shallow groundwater at concentrations exceeding the MTCA Method A Cleanup Levels for Unrestricted Land Use.
- Completion of a report documenting the field activities performed during the groundwater investigation including the results of field activities performed and potential recommendations for future work at the Site.

This report documents the following activities performed by BMEC personnel at the Site from August 12 - 15, 2014:

- Installation of monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 from August 12 14, 2014;
- Collection of soil samples from each of the seven monitoring wells during well boring advancement from August 12 – 14, 2014;
- Development and collection of groundwater samples from monitoring wells MW-1, MW-MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 on August 15, 2014; and
- Proper labeling and securing of all investigation-derived waste (IDW) into 55-gallon drums temporarily staged onsite at the location illustrated on **Figure 2**.

### 1.1 Location

Legal Description: Parcel number 1-3594-301-1661-001, in the northwest quarter of the southeast quarter of Section 35, Township 9 North, Range 24 East, Willamette Meridian, Benton

County, Washington. The 3.92-acre property is approximately 720 feet above sea level and located in Township 9 North, Range 24 East, Section 35 of Benton County, Washington of the Willamette Meridian. The Site is locally known as Horse Heaven Hills Travel Plaza and the address is 101 Merlot Drive in Prosser, Washington 99350. A Site Location Map of the property and surrounding land is included as **Figure 1**.

The Site is located within the city limits of Prosser, Washington and is surrounded primarily by commercial properties. The property consists of one parcel of land with improvements and is accessible from Merlot Drive. The nearest roadway is Interstate I-82 which is approximately 500 feet north of the Site. The nearest surface water body is the Yakima River approximately one mile south-southeast and down-gradient of the Site.

#### 1.2 Background

The Site is defined by a retail petroleum refueling station for standard passenger vehicles, as well as large truck-and-trailer rigs. The Site was developed as a retail fuel facility in 1995. A site investigation was performed at the Site by BMEC personnel on September 18, 2013 and the results of that site investigation indicated that PHCs existed in shallow soils beneath several of the diesel fuel dispensers at concentrations exceeding MTCA Method A Cleanup Levels for Unrestricted Land Use.

An additional subsurface investigation performed at the Site on March 13 and 14, 2014, confirmed that PHCs exceeding MTCA Method A Cleanup Levels for Unrestricted Land Use existed beneath the diesel fuel dispensers at depths ranging up to approximately 8 feet below surface grade (bsg). Laboratory analytical results of one groundwater sample obtained from standing water pooled in the diesel fuel dispenser excavation pit indicated that shallow groundwater beneath the Site was also impacted by PHCs at concentrations exceeding MTCA Method A Cleanup Levels for Unrestricted Land Use.

### 2.0 DRILLING ACTIVITIES

Environmental West Exploration, Inc (EWE) from Spokane, Washington was subcontracted by BMEC to install seven monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7) at the Site with a sonic drilling rig using 6.625-inch outer diameter (OD) drill rods/bits. Soil was brought to the surface with the lead drilling rod and extruded into "7-foot" sections of plastic sheeting liner. The plastic-lined soil was then placed on the ground surface and the professional geologist field screened each 7-foot section by conducting the following procedure(s): cutting open the full length of each soil sample to visually assess the soil/rock lithology and petroleum staining (if present); and olfactorily assessing the soil for the presence of PHCs. Attempts to utilize the photo-ionization detection (PID) unit during lithologic assessment

of some of the monitoring well borings were unsuccessful due to a malfunctioning PID. Successful PID readings for soil encountered were recorded on the boring logs as noted in **Appendix A**. Photographs of field activities conducted during the August 2014 groundwater investigation are included in **Appendix B**.

All seven monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7) were completed with 2-inch diameter, schedule 40 poly-vinyl chloride (PVC), 0.010-inch slotted screen, and secured with a lock and cap. All seven monitoring wells were completed at the surface via flush-mount methodology and screened in the "shallow" aquifer. Total depth of each monitoring well and screened intervals for each well are as follows in **Table 1**:

Tal	ole 1: Monitori	ng Well Installation a	nd Soil Sample Dep	th Details
Monitoring	Total Depth	Screened Interval	First Encountered	Depth Soil Samples
Well ID	(feet bsg)	(feet bsg)	Groundwater	Were Collected
			(feet bsg)	(feet bsg)
MW-1	17'	5 to 17'	6'	2' and 5'
MW-2	17'	5 to 17'	7'	6' and 9'
MW-3	20'	5 to 20'	6'	7.5' and 10'
MW-4	17'	5 to 17'	7'	7' and 8'
MW-5	18'	5 to 18'	5.5'	6.5' and 9'
MW-6	20'	5 to 20'	6'	6' and 8'
MW-7	22'	4.5 to 21.5'	9'	9' and 15'

bsg = below surface grade

Monitoring well completion details for each well are detailed on the boring logs included in **Appendix A**.

All soil cuttings brought to the ground surface during the subsurface investigation activities were placed in 55-gallon drums and properly labeled, secured with a bolted down cover, and temporarily staged near the location illustrated on **Figure 2**.

## 3.0 GEOLOGY

According to the U.S. Department of Agriculture Soil Survey of Yakima County, Washington, the Site is underlain by the Ashue Silt Loam which is considered very deep and moderately welldrained with moderately coarse textures. A typical cross-section of the Ashue Silt Loam includes a 9-inch thick surface layer of light brown to brown loam, underlain by an approximate 15-inch thick layer of light gray, gravelly sandy loam, and further underlain by light yellowish brown and pale brown very gravelly sand up to 60 inches thick.

During the onsite excavation field activities conducted March 13 and 14, 2014, the following subsurface lithology was encountered:

- Asphalt/concrete from 0 to 0.5 feet bsg, rounded pea gravel from 0.5 to 1.0 feet bsg;
- SILT with some rounded gravel from 1.0 to 2.5 feet bsg; and
- Silty, rounded GRAVEL (river rock) from 2.5 to 8.0 feet bsg.

Groundwater was encountered during the March 13 and 14, 2014 field activities at an approximate depth of 8 to 8.5 feet bsg. During a site visit on April 23, 2014, the groundwater surface had risen to an elevation approximately 3 feet bsg.

During the subsurface drilling activities conducted at the Site from August 12 - 14, 2014, the following lithology was encountered:

- Asphalt from 0 to 0.5 feet bsg;
- Brown to gray-brown SILT to silty SAND from 0.5 to 4 feet bsg in most borings (except MW-5);
- Brown to gray-brown silty to sandy, subrounded to rounded GRAVEL from 4 to 9 feet bsg in most borings (except MW-5);
- Mixtures of brown to gray-brown silty to sandy subrounded to rounded GRAVEL and BASALT COBBLES or BOULDERS from 9 to 19 feet bsg;
- Dark gray to brown CLAY and SILT with little gravel from 19 to 21.5 feet (MW-7); and
- Gray, silty GRAVEL from 21.5 to 22 feet bsg.

Geologically, the Site is located in the Yakima Fold Belt east of the Cascade Range in a much dryer climate that receives between 6 to 18 inches of precipitation annually. The Yakima Fold Belt is dominated by east-west trending anticlinal ridges and synclinal valley(s). The Site is located southeast of the Rattlesnake Mountains and immediately north of the Horse Heaven Hills. The near surface soils are formed primarily from deposition of Quaternary sediments that overlie Miocene Columbia River Basalt Group flood basalts. Fine-grained slackwater sediments characterized by rhythmically graded bedding were deposited throughout the Pleistocene atop the Miocene basalts in the area of the Columbia Gorge extending north to the Yakima Valley including the region surrounding the Site. Volcanic ash deposits and wind-blown loess deposits are also noted throughout the region.

#### 4.0 HYDROGEOLOGY

During the subsurface drilling activities conducted at the Site from August 12 - 14, 2014, groundwater was encountered at depths ranging from 5.5 feet bsg in monitoring well MW-5 to 9 feet bsg in well MW-7 (**Table 1**). Depth-to-water measurements on August 15, 2014 ranged from 2.68 feet below top of casing in monitoring well MW-7 to 4.73 feet below top of casing in well MW-6 (**Table 2**). Depth-to-water measurements were obtained based via field methodology standards described in **Appendix C**.

Prior to the August 2014 groundwater investigation, regional shallow groundwater flow was inferred to be to the south-southeast toward the Yakima River approximately one mile away from the Site. Subsequent to the August 12-15, 2014 groundwater investigation, the groundwater flow direction is confirmed to be to the southeast with a hydraulic gradient varying from approximately 0.05 between monitoring wells MW-1 and MW-3 and steepening down-gradient to 0.01 between wells MW-3 and MW-6 (**Figure 2**).

#### 5.0 SOIL SAMPLES

A total of 14 soil samples (two per monitoring well boring) were obtained during the August 2014 groundwater investigation. Depths of the soil samples per boring are listed in **Table 1**. Criteria used to obtain soil samples were based on visual and olfactoral evidence of PHC contamination and depth to first encountered groundwater.

A fresh pair of latex or Nitrile gloves was donned, prior to collection of each successive soil sample. Soil samples were collected in 4-ounce glass jars and two laboratory preserved 40-milliliter (ml) Environmental Protection Agency (EPA) glass vials per EPA Method 5035A. Each soil sample was collected in one 4-ounce glass jar and two 40-ml glass vials. Each 4-ounce glass jar sample was obtained with little to no head space and each soil sample collected in 40-ml vials consisted of approximately 5 to 10 gram aliquots of soil per vial via the laboratory-provided and dedicated, plastic syringe devices. Methanol preservation of each 40-ml vial was prepared in the laboratory prior to sampling in the field. Note: One 4-ounce glass jar and one 40-ml vial preserved with methanol were used to collect soil sample MW-4@7' and one 4-ounce glass jar was used to collect soil sample MW-4@8'.

The soil samples were properly labeled and sealed, prior to being stored in a cool environment (4 degrees Celsius) until relinquished (with properly completed chain-of-custody documentation) to ALS Laboratory (ALS) in Everett, Washington. BMEC personnel shipped the soil samples to ALS on Tuesday, August 18, 2014 and the samples were received at ALS the following day on August 19, 2014. Soil samples were submitted to ALS for the following analyses:

- Total petroleum hydrocarbons (TPH) diesel range (TPH-D) and TPH heavy oil range (TPH-O) via Northwest Method TPH-Dx;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) via EPA Method 8021; and
- Polynuclear aromatic hydrocarbons (PAHs), if and only if, the TPH-D, TPH-O, or BTEX concentrations exceeded MTCA Method A Cleanup Levels for Unrestricted Use.

#### 6.0 MONITORING WELL DEVELOPMENT

On August 15, 2014, BMEC and EWE personnel developed monitoring wells MW-1 through MW-7 via an 18-inch long, 1.75-inch diameter Whale well pump, and dedicated/disposable tubing. Initially, a 15-inch long, 1.75-inch diameter stainless steel bailer was used to manually surge the well for several minutes in 2- to 3-foot strokes. The well pump and stainless steel bailer wash, followed by a distilled water rinse. The chronological order in which monitoring wells were developed is as follows: MW-1, MW-7, MW-4, MW-2, MW-5, MW-6, and MW-3. Prior to use for well development in MW-1, the well pump and stainless steel bailer were decontaminated via the same process described above.

An approximate pumping rate of 2.5 gallons per minute (gpm) was used to develop all seven monitoring wells. Monitoring wells MW-5 and MW-6 were purged dry several times, prior to completion of the well development process. **Table 2** lists the volume of groundwater purged from each well during development, as well as depth-to-water measurements, prior to initiation of well development.

Groundwater parameters (i.e., pH, temperature, and conductivity) were collected during the monitoring well development process to assess when stabilization of the aquifer in the vicinity of each specific monitoring well had occurred. Each monitoring well was deemed fully developed subsequent to removal of a minimum of 10 gallons of groundwater and stabilization of groundwater parameters within a given percentage of one another for three successive readings [temperature ( $\pm$  3°F); pH ( $\pm$  0.1 unit); conductivity ( $\pm$  3%)]. Although not measured in the field, a visual assessment of turbidity was monitored and noted during well development. The groundwater parameters were recorded on groundwater sampling data sheets that are included in **Appendix D**.

All well pump decontamination water and monitoring well groundwater removed during well development was secured in 55-gallon drums that were subsequently properly labeled, secured, and temporarily staged at the location illustrated on **Figure 2**.

### 7.0 GROUNDWATER SAMPLES

A total of seven groundwater samples (one per monitoring well) were obtained during the August 2014 groundwater investigation. Groundwater samples were collected immediately subsequent to completion of the well development activities on August 15, 2014. A separate, dedicated, disposable plastic bailer was used to collect each of the seven groundwater samples which were placed in two laboratory preserved 40-ml EPA glass vials preserved with hydrochloric acid; one 1-Liter amber glass container (unpreserved); and one 500-mL amber glass

container (unpreserved). Groundwater samples collected in 40-mL glass vials were obtained with no head space. A fresh pair of latex or Nitrile gloves was donned, prior to collection of each successive groundwater sample.

The groundwater samples were properly labeled and sealed, prior to being stored in a cool environment (4 degrees Celsius) until relinquished (with properly completed chain-of-custody documentation) to ALS in Everett, Washington. BMEC personnel shipped the groundwater samples to ALS on Tuesday, August 18, 2014 and the samples were received at ALS the following day on August 19, 2014. Groundwater samples were submitted to ALS for the following analyses:

- TPH-D and TPH-O via Northwest Method TPH-Dx;
- BTEX via EPA Method 8021; and
- PAHs, if and only if, the TPH-D, TPH-O, or BTEX concentrations exceed MTCA Method A Cleanup Levels for Unrestricted Use.

## 8.0 SOIL AND GROUNDWATER SAMPLE RESULTS

During the groundwater investigation conducted at the Site from August 12 - 15, 2015, a total of 14 soil samples and seven groundwater samples were obtained for laboratory analyses. The following text discusses the results of the soil and groundwater laboratory analyses. A complete copy of the laboratory analytical report, accompanied by proper chain-of-custody documentation, is included in **Appendix E**.

### 8.1 Soil Sample Results

Fourteen soil samples were obtained from seven monitoring well borings during the groundwater investigation conducted at the Site from August 12 - 14, 2014. Each of the 14 soil samples were analyzed for TPH-D, TPH-O, and BTEX. A summary of the soil sample laboratory analytical results is included in **Table 3**.

TPH-D was detected in five of the 14 soil samples at concentrations ranging from 100 ppm in sample MW-2@9' to 1000 ppm in sample MW-2@6'. TPH-O was not detected above the laboratory method reporting limits in any of the 14 soil samples. Ethylbenzene was detected in soil sample MW-6@8' at a concentration of 0.12 ppm. BTX were not detected at concentrations above the laboratory method reporting limits in any of the 14 soil samples. None of the TPH-D and ethylbenzene concentrations exceeded MTCA Method A Cleanup Levels for Unrestricted Land Use.

#### 8.2 Groundwater Sample Results

Seven groundwater samples were obtained from the seven onsite monitoring wells (MW-1 through MW-7) on August 15, 2014. Each of the seven groundwater samples was analyzed for TPH-D, TPH-O, and BTEX. Four of the groundwater samples (MW-2-8/15/14, MW-3-8/15/14, MW-5-8/15/14, and MW-6-8/15/14) were also analyzed for PAHs. A summary of the TPH and BTEX concentrations in groundwater results is included in **Table 4.** A summary of the PAH concentrations in groundwater results is included in **Table 5**.

TPH-D was detected in six of the seven groundwater samples at concentrations ranging from 150 ppb in sample MW-4-8/15/14 to 12,000 ppb in sample MW-2-8/15/14. TPH-O was detected in one sample (MW-6-8/15/14) at a concentration of 1200 ppb. Toluene was detected in one sample (MW-2-8/15/14) at a concentration of 1.4 ppb. BEX were not detected at concentrations above the laboratory method reporting limits in any of the seven groundwater samples.

TPH-D concentrations in groundwater samples obtained from the following four monitoring wells exceeded the MTCA Method A Cleanup Levels for Unrestricted Land Use (**Table 4**):

- MW-2 at 12,000 ppb
- MW-3 at 10,000 ppb
- MW-5 at 1100 ppb
- MW-6 at 2600 ppb

TPH-O concentrations were exceeded in one groundwater sample obtained from monitoring well MW-6 at a concentration of 1200 ppb (**Table 4**).

The ethylbenzene concentration of 1.4 ppb in groundwater sample MW-2-8/15/14 did not exceed the MTCA Method A Cleanup Levels for Unrestricted Land Use (**Table 4**).

As a result of the four TPH-D and single TPH-O detections in groundwater samples exceeding the MTCA Method A Cleanup Levels for Unrestricted Land Use, groundwater samples obtained from the following four monitoring wells were also analyzed for PAHs: MW-2, MW-3, MW-5, and MW-6 (**Table 5**). PAHs were detected in all four groundwater samples, but none of the PAH concentrations exceeded MTCA Method A Cleanup Levels for Unrestricted Land Use.

### 9.0 INVESTIGATION-DERIVED WASTE

Various IDW waste streams created during the groundwater investigation consisted of the following: groundwater removed from the soil borings during groundwater sampling activities, soil cuttings brought to the surface during drilling activities, groundwater purged from the monitoring wells during the well development processes, and wastewater created during

equipment decontamination activities. All soil and water IDW created during the groundwater investigation activities which occurred from August 12 -15, 2014 was containerized in 55-gallon drums that were properly sealed, labeled, and temporarily staged near the location identified on **Figure 2**. All drummed IDW shall be removed from the Site and properly disposed at a licensed landfill facility.

Disposable items (i.e., bailers, Nitrile gloves, bailer rope, and paper towels) were placed in a trash bag and disposed in on-site or off-site trash receptacles.

### 10.0 CONCLUSIONS

The following concluding remarks apply to the groundwater investigation conducted at the Site from August 12 - 15, 2014:

- None of the PHCs (i.e., TPH-D and ethylbenzene) detected in the 14 soil samples exceeded the MTCA Method A Cleanup Levels for Unrestricted Land Use.
- Ethylbenzene was detected in one groundwater sample (MW-2), but at a concentration that did not exceed the MTCA Method A Cleanup Levels.
- TPH-D in four groundwater samples (MW-2, MW-3, MW-5, and MW-6) exceeded the MTCA Method A Cleanup Levels.
- TPH-O in one groundwater sample (MW-6) exceeded the MTCA Method A Cleanup Levels.
- None of the eight PAHs detected in the four groundwater samples analyzed for PAHs exceeded the MTCA Method A Cleanup Levels.
- Onsite groundwater flow direction of the shallow aquifer is to the southeast.
- The hydraulic gradient for the shallow aquifer between MW-1 and MW-3 (up-gradient) was calculated to be approximately 0.05. The hydraulic gradient for the shallow aquifer between MW-3 and MW-6 (down-gradient) was calculated to be approximately 0.01.
- Subsurface lithologies vary from gray-brown SILT and SAND from 0.5 to 4 feet bsg; to gray-brown silty to sandy, subrounded to rounded GRAVEL from 4 to 9 feet bsg; to mixtures of gray-brown silty to sandy subrounded to rounded GRAVEL and BASALT COBBLES from 9 to 19 feet bsg; to dark gray to brown CLAY and SILT from 19 to 21.5 feet bsg; to gray, silty GRAVEL from 21.5 to 22 feet bsg.
- Depth to shallow groundwater at the Site varies from 5.5 to 9 feet bsg.

#### 11.0 RECOMMENDATIONS

On August 15, 2014, PHCs TPH-D and/or TPH-O were detected in groundwater samples obtained from four of seven onsite monitoring wells at concentrations exceeding MTCA Method A Cleanup Levels. Thus, a minimum of three more quarters of groundwater sampling should occur at the Site during the following tentative dates:

- November 2014
- February 2015
- May 2015

All seven onsite monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7) should be properly purged, sampled, and analyzed for the following analytes: TPH-D and TPH-O via Northwest Method, BTEX via EPA Method 8021, and PAHs via EPA Method 8270 SIM (if and only if TPH-D, TPH-O, or BTEX results exceed MTCA Method A Cleanup Levels).

#### 12.0 STATEMENT OF ENVIRONMENTAL PROFESSIONALS

#### Statement of Quality Assurance

We have performed this groundwater investigation in accordance with generally accepted environmental practices and procedures, as of the date of this report. We have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this groundwater investigation are based upon site conditions we readily observed or which were reasonably ascertainable and present at the time of the field activities.

The conclusions and recommendations stated in this report are based upon personal observations made by employees of BMEC and upon information provided by others. We have no reason to suspect or believe that the information provided by others is inaccurate.



Brenth Bergero

Brent N. Bergeron, WA Professional Geologist

Horse Heaven HillsTravel Plaza-Prosser, WA Groundwater Investigation Report BMEC September 2, 2014

#### **Statement of Quality Control**

The objective of this groundwater investigation was to ascertain the potential presence or absence of petroleum hydrocarbons that could impact subsurface soils attributed to diesel fuel dispensers on the subject property. The procedure was to perform reasonable steps in accordance with the existing regulations, currently available technology, and generally accepted engineering practices in order to accomplish the stated objective.

#### **13.0 REPORT LIMITATIONS**

The groundwater investigation report has been performed for the exclusive use of Mr. Brian Rogers, or agents specified by him, for the transaction at issue concerning the subject property in Prosser, Washington. The objective of this groundwater investigation was to ascertain the potential presence or absence of petroleum hydrocarbons (i.e., diesel fuel) that could impact the shallow groundwater on the subject property in the vicinity of the former diesel fuel dispensers removed in Spring of 2014. Any other petroleum hydrocarbon sources that have impacted, or may potentially impact the Site, were not part of the groundwater assessment process.

The purpose of this groundwater investigation was to evaluate potential or actual PHC (i.e., diesel fuel) impact to the shallow groundwater. In performing a groundwater investigation, a balance must be struck between reasonable inquiry into environmental issues and an exhaustive analysis of every conceivable issue of possible concern. This groundwater investigation contains BMEC's opinions regarding environmental issues of concern and/or additional issues that may need to be addressed. In rendering our professional opinion, BMEC warrants that the services provided within the scope of this groundwater assessment were performed, within the limits described, in accordance with generally accepted environmental consulting principles and practices. No other warranty, expressed or implied, is made. The following paragraphs describe the assumptions and standard parameters under which such opinion is rendered.

Any opinions and/or recommendations presented in this report apply to site conditions existing at the time of performance of services. BMEC is unable to report on or accurately predict events that may affect the site after performance of services, whether occurring naturally or caused by human forces. BMEC assumes no responsibility for conditions BMEC did not investigate, or conditions not generally recognized as environmentally unacceptable at the time services were performed.

Except where there is expressed concern of our client, or where specific environmental contaminants have previously been reported by others, naturally occurring toxic substances, potential environmental contaminants located inside buildings, or contaminant concentrations not of current environmental concern, may not be addressed in this document.

No assessment is thorough enough to exclude the presence of hazardous materials at a given site. Therefore, if specific hazardous materials have not been identified during this groundwater assessment, the lack of such identifications should not be construed as a guarantee of the absence of hazardous materials, but merely as the result of services performed within the scope, limitations, and cost of work done.

BMEC is not responsible for the effects of changes in applicable environmental standards, practices, or regulations after the performance of services.

Services provided for this assessment were performed in accordance with BMEC's agreement and understanding with our client, which may not be fully disclosed in this report. Opinions and/or recommendations are intended for the client, purpose, site, location, time frame, and project parameters indicated.

This report was prepared solely for the use of our client, and should be reviewed in its entirety; BMEC is not responsible for subsequent separation, detachment, or partial use of this document. Any reliance on this report by a third party shall be at such party's sole risk.

#### **<u>14.0</u> REFERENCES**

Blue Mountain Environmental & Consulting Co, WORK PLAN: Delineation of Subsurface Petroleum Hydrocarbon Contamination in the Vadose Zone Soils and Groundwater-Horse Heaven Hills Travel Plaza, 101 Merlot Drive, Prosser, Washington 99350, May 28, 2014

Blue Mountain Environmental & Consulting Co, Delineation of Subsurface Petroleum Hydrocarbon Contamination-Horse Heaven Hills Travel Plaza, 101 Merlot Drive, Prosser, Washington 99350, May 5, 2014

Blue Mountain Environmental & Consulting Co, WORK PLAN: Delineation of Subsurface Petroleum Hydrocarbon Contamination-Horse Heaven Hills Travel Plaza, 101 Merlot Drive, Prosser, Washington 99350, December 17, 2013

Blue Mountain Environmental & Consulting Co, Phase I Environmental Site Assessment Report-Horse Heaven Hills Travel Plaza, 101 Merlot Drive, Prosser, Washington 99350, August 20, 2013

Washington Department of Ecology, Model Toxics Control Act Statute and Regulation, Revised November 2007





Horse Heaven Hills Truck Stop 101 Merlot Drive Prosser, WA 99350

## FIGURE 1: SITE LOCATION MAP



TABLE 2Monitoring Well Groundwater Surface DataHorse Heaven Hills Travel PlazaProsser, Washington 99350										
Monitoring Well Number	Date Measured	Top of Casing Elevation (feet bavd)	Water Depth Below Top of Casing (feet btoc)	Groundwater Elevation (feet bavd)	LNAPL Thickness (feet)	Volume of Groundwater Purged (gallons)				
Monitoring Wells						•				
MW-1	8/15/14	99.04	3.22	95.82	0.00	28				
MW-2	8/15/14	98.76	3.79	94.97	0.00	27				
MW-3	8/15/14	98.13	3.33	94.80	0.00	30				
MW-4	8/15/14	98.29	3.53	94.76	0.00	25				
MW-5	8/15/14	97.66	3.98	93.68	0.00	36				
MW-6	8/15/14	97.88	4.73	93.15	0.00	23				
MW-7	8/15/14	97.48	2.68	94.80	0.00	35				
Notes: avd = assumed vertical c ptoc = below top of casi pavd = below assumed v .NAPL = light, non-aquee	ng vertical datum									

Soil Sam	ple Result		roleum Hyd eaven Hills	TABLE 3 Irocarbons a Travel Plaza Washingtor	- 101 Mer	-	Compounds	(mg/Kg)
				n Hydrocarbons (mg/Kg)	v	by EPA M	Compounds (VOC ethod 8021 g/Kg)	s)
Sample I.D.	Depth (ft bsg)	Date Collected	TPH-Diesel by Northwest Method NWTPH Dx	TPH-Heavy Oil by Northwest Method NWTPH- Dx	Benzene	Toluene	Ethylbenzene	Total Xylenes
<u>MW-7@9'</u>	9 feet	8/12/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-7@15'</u>	15 feet	8/12/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-6@6'</u>	6 feet	8/12/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-6@8'</u>	8 feet	8/12/14	810	< 50	< 0.030	< 0.050	0.12	< 0.20
<u>MW-1@2'</u>	2 feet	8/13/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-1@5'</u>	5 feet	8/13/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-2@6'</u>	6 feet	8/13/14	1000	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-2@9'</u>	9 feet	8/13/14	100	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-3@7.5'</u>	7.5 feet	8/14/14	960	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-3@10'</u>	10 feet	8/14/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-5@6.5'</u>	6.5 feet	8/14/14	630	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-5@9'</u>	9 feet	8/14/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-4@7'</u>	7 feet	8/14/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
<u>MW-4@8'</u>	8 feet	8/14/14	< 25	< 50	< 0.030	< 0.050	< 0.050	< 0.20
				lethod A Cleanup				
	restricted Land	Use	2000	2000	0.03	7	6	9
	surface grade s per Kilogram o	r parts per million (p concentration of anal	•					

Groundwate	-	Horse Heave	<b>TABI</b> I Petroleum H (µg/ n Hills Travel rosser, Washi	lydrocarbo /L) Plaza - 101	Merlot Dri	tile Organic ( ve	Compounds
		Hydrocark	etroleum pons (TPH) J/L)	Vo	by EPA M	Compounds (VO ethod 8021 g/L)	Cs)
Sample I.D.	Date Collected	TPH-Diesel by Northwest Method NWTPH-Dx	TPH-Heavy Oil by Northwest Method NWTPH-Dx	Benzene	Toluene	Ethylbenzene	Total Xylenes
<u>MW-1-8/15/14</u>	8/15/14	< 130	< 250	< 1.0	< 1.0	< 1.0	< 3.0
<u>MW-2-8/15/14</u>	8/15/14	12,000	< 250	< 1.0	1.4	< 1.0	< 3.0
<u>MW-3-8/15/14</u>	8/15/14	10,000	< 250	< 1.0	< 1.0	< 1.0	< 3.0
<u>MW-4-8/15/14</u>	8/15/14	150	< 250	< 1.0	< 1.0	< 1.0	< 3.0
<u>MW-5-8/15/14</u>	8/15/14	1100	< 250	< 1.0	< 1.0	< 1.0	< 3.0
<u>MW-6-8/15/14</u>	8/15/14	2600	1200	< 1.0	< 1.0	< 1.0	< 3.0
<u>MW-7-8/15/14</u>	8/15/14	360	< 250	< 1.0	< 1.0	< 1.0	< 3.0
			MTCA Method A	_			
		500	500	5	1000	700	1000
BOLD = sample yi	v surface grade s per Liter or par elded detectable		nalyzed compound tion exceeds MTCA N	Method & Cleanus			

				Gro	oundwa	Horse	Heave Pi	sults - P n Hills T rosser, ' ear Arom	Fruck P Washin	ear Aro laza - 1 gton 99	01 Mer 9350	ot Driv	e		L)				
Sample I.D.	Date Collected	Naphthalene <sup>1</sup>	2-Methy Inaphthalene	1-Methy Inaphthalene <sup>1</sup>	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]anthracene <sup>2</sup>	Chrysene <sup>2</sup>	Benzo[b]fluoranthene <sup>2</sup>	Benzolj,k]fluoranthene <sup>2</sup>	Benzo[a]pyrene <sup>2</sup>	Indeno[1,2,3-c,d]pyrene <sup>2</sup>	Dibenz[a,h]anthracene <sup>2</sup>	
monitoring We	lls			-		-								-			-		
MW-1-8/15/14	8/15/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	L

Benzo[g,h,i]perylene

NA

MW-2-8/15/14	8/15/14	< 0.020	0.22	3.8	0.059	0.84	2.0	0.54	< 0.020	0.023	0.27	< 0.020	< 0.020	< 0.020	< 0.020	< 0.029	< 0.020	< 0.020	< 0.020
MW-3-8/15/14	8/15/14	< 0.020	< 0.020	< 0.020	< 0.020	0.10	0.19	< 0.020	< 0.020	0.022	0.13	< 0.020	< 0.020	< 0.020	< 0.020	< 0.029	< 0.020	< 0.020	< 0.020
MW-4-8/15/14	8/15/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5-8/15/14	8/15/14	< 0.020	< 0.020	< 0.020	< 0.020	0.45	1.3	0.41	< 0.020	0.030	0.20	< 0.020	< 0.020	< 0.020	< 0.020	< 0.029	< 0.020	< 0.020	< 0.020
MW-6-8/15/14	8/15/14	< 0.020	0.18	0.17	< 0.020	0.25	0.40	< 0.020	< 0.020	0.047	0.13	< 0.020	< 0.020	< 0.020	< 0.020	< 0.029	< 0.020	< 0.020	< 0.020
MW-7-8/15/14	8/15/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
						Ec	ology MT	CA Method	A Groundv	vater Clear	up Levels	(µg/L)							
		160	160	160	DNE	DNE	DNE	DNE	DNE	DNE	DNE	0.1	0.01	0.1	0.1	1	0.1	0.1	DNE

Notes:

1 = Cleanup Level is total value for naphthalene + 1-methyl naphthalene + 2-methly naphthalene

2 = Cleanup Level is cumulative value of a percentage of all seven carcinogenic PAHs per MTCA Table 708-2

NA = not analyzed

 $\mu$ g/L = micrograms per Liter or parts per billion (ppb)

bsg = below surface grade

DNE = MTCA Cleanup Levels **Do Not Exist** for this constiuent

PAH = polynuclear aromatic hydrocarbon

BOLD = sample yielded detectable concentration of analyzed compound

## APPENDIX A

Boring Logs

				C . 1.5/P
DAT	JM Ground surface			DRILLING METHOD Sonic (65/8 0)
LOG	GED BY Brent Bergeron,	PG		DRILLER Environmental West Exploration
DEPTH	SOIL DESCRIPTION	GRAPHIC	PID	Flysh-May
	0-0.5: Asphalt 0.5-2: Green-brn SILT trace	ML	NA	L', L'
.1	0.5-2: Green-brn SILT, trace V. Fine Sand, moist		MW-1	1.5' 1.5' and
X	2-4": Brown SILT, moist		e 21	- 2' X Z' Sacrete
				- Isis/4) Bentonite
	5-7; Brown, Sandy GRAVEL,	0		- A'-
× 5-	5-7: Brown, Sandy GRAVEL, rounded, little silt, v. moist	GW	MW-1 es:	5'-** - **-5'
	8/3/14 🐨			s o * o
	7-8: Brown, I.Fine Sandy SILT,			
	trace day, Saturated	Mh		
	8-10': Brown, Sandy GRAVEL Subangular, little Silt, moist to	GW		
1.1	V.moise			· - · · · ·
— 10 —	GRAVEL (BASALT), dry	GP		ned Inte
1	11-11,5: Brn. Silty GRAVEL rounded	wet GW		· · · · · · · ·
	11.5-12: Pink-gray rounded GRAVEL 12-13.5: Brod, Sandy GRAVEL, rounded, little silf trace clay, W	et GW		0 0 - 0 8 <u>-</u>
	13.5-14': Basalt GRAVEL, dry	GP		9 8 - 9 P
	14-17; Brn, Silty GRAVEL.	011		0 0 - 0 0
-15 -	subrounded, little Band, trace clay, Wet, Basalt GRAVEL/bouldere 15', 16' " 17'	.014		* • • • •
	16 417			· · - · ·
			Y	-TD = 17' - D = 10' - 17' -
		1		

-

	UM Ground surface			DRILLING METHOD Sonic (65/8"0
Log	GED BY Brent Bergeron,	PG	_	DRILLER Environmental West Exploration
DEPTH	SOIL DESCRIPTION	GRAPHIC	PID Misc	Flush-Mou
	0-0.5: Asphalt 0.5-2.0: Qrange-brn FineSA trace graves, damp	P.SP	NA	
	2.0-4.0: DK gray, gravelly SILT, little sand, moist	ML		2'-X Sacrete Bentonit
	4.0-7.0: DK gray, Silty	1 GW		4'
— 5 —	Vimoist to wet, strong pe	mo		5'
Х	8/13/14 🔻		MW-2 C6	
	7-9: Gray GRAVEL, round little silt. little Sand, saturale Strong Petro odor	ed, GW		• _ • •
X	9-115: Brown Sandy SILT,	ML	MW-2 Cq'	· · · · · · · · · · · · · · · · · · ·
- 10 -	little subraunded gravel, trace clay, moist	112	Í	
	11.5-13 BASALT boulder(s) dry	-		· - • [1]
	13-14': Gray, sandy GRAVEL rounded, little silt, wet	'GW		
- 15 -	14-14.5: Brn-gray, Sandy Slit, mois 14.5-16: BASALT boulders), dru	ML		0 - 0
10	16-17" Gray GRAVEL/COBBLE	F' GW		9 — 6 6 9 — 69 9 — 6
	rounded, little Sand, trace silt, we	GW	V	TD=17' [ = ]
- 20 -				

	JM Ground surface			DRILLING METHOD Sonic (65/8"(
Logo	GED BY Brent Bergeron, P	G		DRILLER Environmental West Exploration
DEPTH	SOIL DESCRIPTION	GRAPHIC	MISC	Flush-Moun
	0-0.5: Asphalt 0.5-2.0: Orange bron fine SAVD.	SP	NA	
	0.5-2.0: Orange bron, fine SAND, Trace gravel, damp			1.5' Sacrete
	2.0-3.0: Brn-group ilty SAND,	SW		2' acrete
	3.0-5.0': Brn-gray SILT, 1:11			12 8/15/14 Bentonite
	sand, tirm, moist	ML		4'-00 00-4'
— 5 —	5.0-7.0: Brn-gray, Silty,	-		5-00 - 00-5-
8/14/14	GRAVEL, Founded, little sand	GW		0 - 0 0 - 0 0
	-mod petro stauning tount			0 — 0
X	F.O. 8.0: DK a ray, Sandy GRAVEL, Sobrounded, little	GW	MW-3.	o — o
1	Silt, Wet, petro Stain, adar 8.0-10,5: DKbrn, Silty SAND	SW		0 - 0 10
1	little clay, taint petro odor		MW-3	
×10 -	10.5-11.0: BASALT CODDIES/	-	@ 10'	Creened Danc
	11.0-12.5: Grow SILT& SAND,	DAL /		
	little gravel little clay, wet.	I'ly SW		
	faint petro odor 12.5-13.5:Brn-orange, sandy SILT, tra	e ML		
	P3 5-14: BASALT cathles haulder	-		
	14-15': Gray-bro, Sandy 511-T. little gravel, little silt, moist 15-16: JBASALT cobbleg/bould	ML		· - ·
- 15 -	15-16. JBASALT Coboles/bould	er -		0 - 0
	16-17: Gray-brn, SILT . BASALT	2		0 - 0
	COBBLE(9), dry-damp 17-18,5 : Gray mottled brn, Silty	GW		0 0 - 0 0 8 - 0
	GRAVEL, Subangular to sub- tounded, little sand, trace clay, vin	et OW		0 0 - 0 0
	18.5-20': BASALT (Bedrock)	- 1		0 - 0
		-	V	TD=20

OGGED BY Brent Berg	eron, PG					· · · ·		
		LOGGED BY Brent Bergeron, PG			DRILLING METHOD Sonic (C			
SOIL DESCRIPTION	GRAPHIC	MISC			F	Tush-Mo		
0.5-1.5': Asphalt 0.5-1.5': DK gray SILT	little ML	NA	111		1 D	1 1 1		
Sand, tracequarel, mo	ist			1.5	1.5	Sarah		
SILT, little Suprourded gro	ndy ML wel, moist, fine SW			2	z'	Sacret		
SAND, Trace subrounded's	pravel, moist.			,	he/us -	Bentoni		
3.5-5: Brn, Sandy SH trace clay, trace gravel, r	IT, ML			4 00	e 5 4			
- V.moist.	1			5-00-		1		
5 5.0-7.0': DK. brn, silty G rounded, little sand, tra	ce clay. GW			D -	- 0			
V.moist-Wet.	3/14/14	MW-4		0 -	- 00			
7.0-9.0: Brn GRAVEL, X rounded, little coarse	well- sand GW	C7		8 -				
little silt, V. wet-Sat	urated	C8		0 0 -		Screened		
9.0-9.5": Brn-gray, grav	ally SILT, ML			° ° _	- 00	Ce		
10 - 9.5-11; BASALT COE	BLES _			a o -	- 0 0	neo		
11-12 Gray, Sand SIL	E. trace			• •	- 00	1		
sunder Towel, trace clay, V. mois	t-Wet I'lh				0	17		
12-12.5": Brn, silty SAND, n 12.5-14.5: Brn, silty CO	BOLES GW				•	To		
(BASALT), little sand, tro damp - moist	rce cloy,				- 0 -	nterva		
14.5-15.5' Bro silt G	RAVELY GW			0 -	- 0	1-1		
5 COBBLE, rounded, V.m. 15.5-17:14 bm, silty GR	hvel /			0 -	8 9			
COBBLE (BASALT), V.MO	ist, cu			0 -	- 0 0 #			
Wet C bottom	GW	V	TD=	17' 10 01 -	- [00] [7	U J		



DATUM Ground surface			DRILLING METHOD Sonic (65/1		
Logo	GED BY Brent Bergero	n, PG		DRILLER Environmental West Exploration	
DEPTH	SOIL DESCRIPTION	GRAPHIC	Mise-	Flush-Mou	
	0.5-1.0: Brn gravelly SILT mois	st	0.1		
	1.0-6.0': Brn SILT, little roun gravel, moist v. moist	ded ML		2' X 1.5' Sacrete	
			0.1	B I I	
				4' Pentonite	
			0.1	5- 28/5/4	
	▼ 8/12/14		MW-6	0 - 0	
X	6.0-7.5: Brn, silty GRAVE rounded, little sond, tracesil	GW	26	0 0 0 0	
V	Wet-V. Wet		MW-6	0 - 0	
X	7.5-8.5 Gray-green, silty GRAVE little sand, little day, damp, faint 8.5-10.5:Yellow brn, Sandy SI	petro odor MI	C8'	8 - 8	
Sec.	trace fine subrowned gravel, moist	- I I'm	20.6	· · · · ()	
-10 -	10.5-125: Gray, Sandy GRAV	EL, GW?	0.1		
	BASALT boulder(s), d (Dulverized boulder(s))	1	5.1		
	12.5-13: Yellow-brn, Sandy	ML	01		
	SILT, trace fine subrounded gravel, moist	112	0.1		
	13.5-14,5: OKbrn, Clayey SILT, trace gravel, wet	ML	01	nterva	
- 15	14.5-15: BASALT boulder, dry		0.1	• • • • · · · · · · · · · · · · · · · ·	
	15-16.0: DK brn, gravelly SILT, 16.0-16:5: BASALT Boulder, dr.	4	muel MI	0 0 - 0	
	16:5-17:5: DKbrn, Clayey SILT, W 17:5-18: Gray BASALT	ier, nace o	O.I	0 b - 0 s	
	18-18,5: DK brn, clayey SILT,	wet, little		00 - 00	
	gravel 18.5-19.5: Brn, SandySILT,	damp	ML	00 - 00	
- 20	19.5-20' Gray BASALT	bailder	0.1	TD=20 00 - 00 )	

DATUM Ground surface LOGGED BY Brent Bergeron, PG				Метнор			1	
LOGO	SED BY Brent Berger SOIL DESCRIPTION	GRAPHIC	PID	DRILLER	Environment		sh-Ma	
00.5':	The Cill CONVER	dry		1111	1	T	11	1
	Blue-gray-brn, SILT, trace rounded fine gravel, damp	ML	0.3	1.	5' 🔀		Sacret	e
3.5-7':Bn	Silfy GRAVEL, angular little stard, little clay, damp	, GW	0.3	Э 4.	5-00	• • - 3,5' • • - 4,5'	)	
5			0,3		••• -	0 0 0		
7 7-9: Brn,	Silty GRAVEL, Subrounded, lit Sand, little clay, V. moist	He	0.3		9 9 9	0 0		
2' X 9-10': Brn	gravelly CLAY, little silt, wet	CL	MW-7 @9' 0.3		0 0 0 0 0 0	0 0 0 0 0 0	()	
10-15: Br	n, Silty GRAVEL, Subrounded, little sand,	GW	0.3		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 # 0 # 0 #	creened	Uan
	little clay, damp	_			0 0 — 9 — 0 0 —	0 0 0 0 0	111	NO TOCH
	n, clayey GRAVEL, subrounded,	GW	MW-7 C 15		Ø 0 0 0 0	0 0 0 0 0 0 0	Interval	
16-19'; D	m, Silty GRAVEL, Subround the Sand, little clay, damp, asalt cobble/bouldere 17	1	0.3		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	80		
0	DK gray-brm, CLAY& SILT, little ravel, little sand, wet, Basalt 1	ML/CL	0.3		0000	00		
20 -7	lobole/boulder CZN'				a	00	1 1	6

## **APPENDIX B**

Photographs



Photograph 1 – Drilling rig setting up at monitoring well MW-7 on August 12, 2014 (facing south-southeast).



Photograph 2 – Drilling rig set up at monitoring well MW-7 with professional geologist assessing soil lithology on August 12, 2014 (facing north-northeast).



Photograph 3 – Soil lithology from 0 – 22 feet bsg in monitoring well MW-7 on August 12, 2014.



Photograph 4 – Monitoring well MW-7 close to completion prior to completion of flush-mount seal on August 12, 2014 (facing north-northeast).


Photograph 5 – Monitoring well MW-7 nearing completion subsequent to flush-mount seal on August 12, 2014.



Photograph 6 – Monitoring well MW-7 subsequent to surface completion, protected by three 55-gallon drums and caution tape on August 13, 2014 (facing north-northeast).



Photograph 7 – Drilling rig set up and drilling at monitoring well MW-6 on August 12, 2014 (facing northwest).



Photograph 8 – Soil lithology from 1 – 20 feet bsg in monitoring well MW-6 on August 12, 2014.



Photograph 9 – Soil lithology from 1 – 17 feet bsg in monitoring well MW-1 on August 13, 2014.



Photograph 10 – Drilling rig set up and drilling at monitoring well MW-2 on August 13, 2014 (facing east).



Photograph 11 – Soil lithology from 1 – 17 feet bsg in monitoring well MW-2 on August 13, 2014.



Photograph 12 – EWE personnel decontaminating the drilling rods while set up and drilling at monitoring well MW-2 on August 13, 2014 (facing south-southwest).



Photograph 13 – Soil lithology from 1 – 20 feet bsg in monitoring well MW-3 on August 14, 2014.



Photograph 14 – Soil lithology from 1 – 18 feet bsg in monitoring well MW-5 on August 14, 2014.



Photograph 15 – Soil lithology from 1 – 17 feet bsg in monitoring well MW-4 on August 14, 2014.



Photograph 16 – Stainless steel bailer (left) and blue Whale pump (right) during decontamination process on August 15, 2014 (facing east).



Photograph 17 – EWE personnel lowering stainless steel bailer into monitoring well MW-2 to initiate well development process on August 15, 2014 (facing east-northeast).



Photograph 18 – BMEC personnel collecting groundwater sample from monitoring well MW-7 on August 15, 2014 (facing north-northeast).



Photograph 19 – Groundwater sample collected from monitoring well MW-2 properly labeled and sealed prior to being placed in cooler on ice. Purge water from well MW-2 properly sealed in properly labeled 55-gallon drum on August 15, 2014.



Photograph 20 – Groundwater sample collected from monitoring well MW-1 properly labeled and sealed prior to being placed in cooler on ice. Purge water from well MW-2 properly sealed in properly labeled 55-gallon drum on August 15, 2014.

### APPENDIX C

Field Methodologies

#### **APPENDIX C**

#### FIELD METHODOLOGIES

#### **DEPTH-TO-WATER MEASUREMENTS**

Depth-to-water (DTW) measurements were obtained from each monitoring well (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7) with a Solinst electronic water level indicator/oil-water interface probe. All DTW measurements were obtained from a black mark on the north side of the monitoring well polyvinyl chloride (PVC) top of casing. The DTW measurements were obtained at each monitoring well approximately 5 to 15 minutes subsequent to cap removal and prior to initiation of the groundwater purging process. All DTW measurements were obtained to the nearest hundredth of a foot and recorded in the geologist's field logbook. This data was later copied onto the Groundwater Sampling Field Data Sheets in **Appendix D**. Liquinox/water solution wash followed by a de-ionized water rinse was used to decontaminate the water level indicator probe and tape prior to use in each successive well.

Groundwater surface elevations were calculated by subtracting the DTW measurement from the surveyed PVC top of casing elevations. The following formula for a 2-inch monitoring well was used to determine the approximate standing volume of water in each monitoring well casing, prior to initiation of the well purging process for monitoring well development:  $V = \pi r^2 H$ , where V = the volume of groundwater in the well casing,  $\pi =$ 3.1416, r = well radius, and H = height of groundwater in the well casing (total depth of well minus DTW).

#### APPENDIX D

Groundwater Sample Field Logs

SSEC, WA Fog □Rain □Sn 4, ⊠55-79 □> 1950-74 □>75	-80 Win Prec	d: QCalm □ d from:□N □NE	NO.: E20140	V DW DNW
Fog □Rain □Sn 4 ⊠55-79 □> 1050-74 □>75	-80 Win Prec	d from: ON ONE	DE DSE DS DSV	V DW DNW
4 ⊠55-79 □> 0950-74 □>75	-80 Win Prec	d from: ON ONE	DE DSE DS DSV	V DW DNW
0850-74 □>75	Prec			
1		ip gate conter contras		ate Drieavy
): MW-1	SAMDI			
·	DAINEL	E NUMBER:	MW-1-8/10	<del>//</del> 4
WELL NO. (or Boring, Location): V/W - 1 Well depth: 17' / Screen length: 12'			and a cipie	4.1
			ber:	
toc		and the second se		
730	SWL at	sample time:	NA	
	Sample	Conductance:	393 45	
arey	Sample	pH: 7	41 /	
1°C	Sample	Odor: Nor	IE	
Cond (AS)	pН	Pump Rate or Bail No	Turbidity	Other
462	7.08	200	high	DEN-OR
	TIN	Float	hightamod	)
398	TAT	Itgal		
393	11-1			11
370	+141	28401	W.C.	H. brn-grau
		U.		1
	toc) 730 Fey C	COC and Casing of Casing of Casing of SwL at Sample Sample Sample Casing of Sample S	COC and/or RFA Numtoc)Casing diameter:2"730SWL at sample time:Sample Conductance:Sample Dodor:Sample Odor:Sample Odor:NorCondPHPump Rate orBail No4623937.593937.3922.0a3937.4128.92	COC and/or RFA Number:         toc)       Casing diameter:         T30       SWL at sample time:         NA         Sample Conductance:       393 µS         Sample Dodor:       None         Sample Odor:       None         Cond       pH         Pump Rate or Bail No       Turbidity         462       7.08       2 gal         393       7.54       T.00         393       7.39       2 2 gal         393       7.39       2 2 gal

Water samples were placed in appropriate containers suitable for analyses requested. As necessary, the containers were prepared by the lab. The containers were filled to prevent air-entrapment, sealed, labeled, and placed in an ice chest at approximately 4°C (e.g. blu-ice) for transport to the laboratory.

Analysis Requested: (per laboratory protocols) BTEX (8260)
□ NWTPH-HCID; □ NWTPH-Gx; ☑ NWTPH-Dx; □ NWTPH-Gx/BTEX; ☑ VOC; □ HVOC;
$\Box$ SemiVOC; $\Box$ PAH; $\Box$ PCB; $\Box$ Pesticides; ( $\Box$ 8, $\Box$ 10, $\Box$ 13) Metals; $\Box$ TCLP; $\Box$ MTBE;
OTHER: (8270) DENDINGTRADY RESults
SIGNATURE: Brent N Bergeron

Notes: 2-inch, Schedule 40 PVC casing = 0.163 gallons per foot; 6" Hole = 1.469 gallons per foot

~

DAY/DATE: Fri, 8/15/14			SHEET 1	of			
PROJECT NAME: Horse Heavin	Hills Travel Plaz	La PROJECT	NO .: E 2014C	1802			
PROJECT, LOCATION: PROSEER, W	A	1					
Weather: DFair DOvercast DFog DRain							
Temp.: 0<0 0-32 033-54 055-79							
Humidity %: 0<25 026-49 050-74	□>75 Precip	p.: DNone DMist	t 🗆 Light 🗆 Moder	ate DHeavy			
N/Lei	- Development		min al	alar			
WELL NO. (or Boring, Location):		11 - 1-	1W-2-8/1	5/14			
Well depth: 17 / Screen length:	12 Laborator						
Well install date: 8/13/14	COC and	/or RFA Numb	ber:				
Pre-purge SWL: 3:79	Casing di	iameter: 2"					
Time Sample Collected: 1120		ample time:	NA				
Sample Turbidity: Light	Sample C	Conductance:	419115				
Sample Color: Tag	Sample p	H: 7,58.	, /				
Sample Temperature: 19.5°C	- Sample C	Ddor: taint	petro odo	20			
Field Data			1				
Time (24 HR) Temp Cond	pH	Pump Rate or Bail No	Turbidity	Other			
1105 217 445	7,59	2901	V. Hich	D. Brn-gre			
1107 201 424	7.62	9,001,	Madu	V J			
1109 9.8 42	1,63	14Jaal	It: Mod	Brn			
110 19.7 42	1.61	19 0a	. VI	l l			
112 19.6 419	4.56	22 001	ht	lan			
Sample Collection Method:	7120	2+ 901	4	¥			
The monitor well was purged: a) of stagnant water in the casing and filter by slow interval or slightly above the middle until the until th b) of stagnant water in the casing and filter by slow the casing until the temperature, conductivity and pH by hand bailing until temperature, conductivity and <b>Samples were collected:</b> by setting a pump, or tubing attached to a pump conductivity and pH stabilized. by setting a pump, or tubing attached to a pump conductivity and pH stabilized. A) with disposable bailers until the temperature, conductivity <b>Sample Shipment:</b> Water samples were placed in appropriate container lab. The containers were filled to prevent air-entrap for transport to the laboratory.	e temperature, conductivit (y setting a pump or intak stabilized. OR, d pH stabilized. ap, within the approximat at approximately functivity and pH stabilized s suitable for analyses req	ty and pH stabilized te tubing at approxi- te middle of the so feet above the botto l. juested. As necessar	I. OR, mately feet a creened interval unt om of the casing un ry, the containers wo	bove the bottom of il the temperature, til the temperature, ere prepared by the			
Analysis Requested: (per laboratory pi	otocols)		BTEX(82	160)			
□ NWTPH-HCID; □ NWTPH-Gx; ☑ NV		H-Gx/BTEX; 🕅	VOC; HVOC	D;			
□ SemiVOC; 🖾 PAH; □ PCB; □ Pesticio		Metals; D TCL	$P; \Box MTBE;$				
OTHER: 8270 pending TPH-1	lx regults		100 C				
PRINT NAME: Brent NP	2 ella eron						
Notes: 2-inch, Schedule 40 PVC casing = 0.163 gallons pe	foot, 6" Hole = 1.469 gallon	ns per foot					

-

DAY/DATE: Fri. 8/15/14	SHEET 1 of
PROJECT NAME: Horse Heaven Hill	5 Trayel Plaza PROJECT NO.: E20 40802
PROJECT LOCATION: Prosser, W.	A
Weather: DFair Overcast DFog DRain D	
Temp.: 🗆 <0 🗇 0-32 🖂 33-54 🖉 55-79	₩ Wind from: N NE DE DSE DS DSW DW NW
Humidity %: 0<25 026-49 050-74 0	>75 Precip.: None Mist Light Moderate Heavy
MI.1-	2 Mul 2 Olie /
WELL NO. (or Boring, Location):	SAMPLE NUMBER: MW-D-8/15/19
Well depth: 20 Screen length:	5 Laboratory: ALS
Well install date: 8/14/14	COC and/or RFA Number:
Pre-purge SWL: 3.33'	Casing diameter: 2"
Time Sample Collected:	SWL at sample time: NA
Sample Turbidity:	Sample Conductance:
Sample Color:	Sample pH:
Sample Temperature:	Sample Odor: V. faint petro odor
Field Data	
Time (24 HR) Temp Cond	pH Pump Rate or Turbidity Other
1508 19.2 479	TITZ Zgal, V. High DK brn-grey
1514 197 424	7,63 IZgal, Mad J Brn-arel
1516 1916 422	FIGT Seal V
1517 196 423	tibs 18 Oal hight, It. bro-gre
1519 1914 442	+162 23bal V. Light Almost clear
124 910 442	7.58 30001 VJ 11. Drn-970
interval or slightly above the middle until the until the to of stagnant water in the casing and filter by slowly s the casing until the temperature, conductivity and pH sta by hand bailing until temperature, conductivity and pH samples were collected: by setting a pump, or tubing attached to a pump, conductivity and pH stabilized. by setting a pump, or tubing attached to a pump, at conductivity and pH stabilized. With disposable bailers until the temperature, conduct Sample Shipment: Water samples were placed in appropriate containers st lab. The containers were filled to prevent air-entrapment for transport to the laboratory.	setting a pump or intake tubing at approximately feet above the bottom of abilized. OR, H stabilized. within the approximate middle of the screened interval until the temperature, approximately feet above the bottom of the casing until the temperature, tivity and pH stabilized. aitable for analyses requested. As necessary, the containers were prepared by the nt, sealed, labeled, and placed in an ice chest at approximately 4°C (e.g. blu-ice)
Analysis Requested: (per laboratory prot	ocols) BTEX (8260)
	PH-Dx; $\Box$ NWTPH-Gx/BTEX; $\widecheck{\Box}$ VOC; $\overleftarrow{\Box}$ HVOC;
□ SemiVOC;  PAH; □ PCB; □ Pesticides	; $(\Box 8, \Box 10, \Box 13)$ Metals; $\Box$ TĆLP; $\Box$ MTBE;
DOTHER: 8270 pending TPH	-Dx results
SIGNATURE: BIOMADELLO	lia_
PRINT NAME: Drent A Der Notes: 2-inch, Schedule 40 PVC casing = 0.163 gallons per for	C for Hole = 1.469 gallons per foot

 $\sim$ 

DAY/DATE:	Fri, 8/15/	14			SHEET 1	of
PROJECT NA	ME: Horse t	leaven Hills Tr	avel Plas	LO. PROJECT	NO .: E20140	802
PROJECT LC	CATION: Pro	sser, WA				
Weather: AFair		lFog □Rain □Snow		i: 🖾Calm 🗆	Light DModer	rate Strong
Humidity %: [	□<25 □26-49	□50-74 □>75	Preci	p.: UNIS	t 🗆 Light 🗆 Moder	ate Heavy
WELL NO. (0)	r Boring, Locatio	n): MW-4	SAMPLE	NUMBER: N	W-4-8/1	5/14 1
Well depth:	and the second sec	en length: 2	Laborato	ry: ALS		
Well install da			COC and	l/or RFA Num	ber:	
Pre-purge SW	L: 3.53'		Casing d	iameter: 2"		
Time Sample	Collected:	020	SWL at s	sample time:	NA	
Sample Turbio				Conductance:	407 115	
Sample Color: Lt. brn Sample Temperature: 20,1°C			Sample	oH:	7,63	
Sample Temp	erature: 20,	1°C	Sample (	Odor: Nor	R	
Field Data						the second second
Time (24 HR)	Temp	Cond	pH	Pump Rate or Bail No	Turbidity	Other
1000	21.2	424	7.97	Zaal	Vinigh	Brn-gney
180,2	20.2	408	1.69	1292	Mady	Lt. breford
1004	20.1	182	+.05	22bal	Mod-hight	+
1003	201	469	7.63	2590	Light	ht. OTH
1000		10.1			10	
The monitor well of stagnant wat interval or slightly of stagnant wat the casing until the by hand bailing Samples were coll by setting a put conductivity and p with disposable Sample Shipment Water samples we lab. The container for transport to the	er in the casing and above the middle ur er in the casing and temperature, condu- until temperature, co- lected: mp, or tubing attach H stabilized. mp, or tubing attach H stabilized. bailers until the tem tre placed in appropris s were filled to prev- laboratory.	filter by slowly setting til the until the temperat filter by slowly setting a ctivity and pH stabilized, onductivity and pH stabil thed to a pump, at approxi- perature, conductivity an iate containers suitable f ent air-entrapment, seale	ure, conductive pump or intal OR, lized. the approximation imately ad pH stabilize for analyses readed, and	ity and pH stabilized ce tubing at approxi ate middle of the s fect above the bott d. quested. As necessa	d. OR, mately feet al creened interval unt om of the casing unt ry, the containers we nest at approximately	bove the bottom of il the temperature, til the temperature, ere prepared by the 74°C (e.g. blu-ice)
Analysis Req	uested: (per lal	poratory protocols)	)		BTEX (82	(0)
		-Gx; WNWTPH-D		H-Gx/BTEX;	VOC; HVOC	2;
		□ Pesticides; (□8,				
OTHER: /	8270	(Dending TH)	) x resu	ults		
SIGNATURE:	Brend	Bergers				
PRINT NAME:	Drents	1 Derderon	1			
Notes: 2-inch. Sched	ule 40 PVC casing = 0	163 gallons per foot; 6" Ho	lc = 1.469 gallo	ns per foot		

Temp.: □<0	□Overcast □ □0-32 □33-5 □<25 □26-49		>80 Wind	from: D D NE D from: N D NE D n: D None Mist		WOWONW
WELL NO. (or	r Boring, Location	n): MW-5,	SAMPLE	NUMBER: /	1W-5-8/1	5/14
Well depth:	18 / Scre	en length: 3	Laborator	ry: ALS		
Well install da	the second s			/or RFA Numb	er:	
Pre-purge SW	L: 3,48		Casing di	ameter: 2"		
Time Sample	Collected:	1225	SWL at s	ample time:	A	
Sample Turbio	dity:	aht	Sample C	Conductance:	420 m	5
Sample Color		No.	Sample p	H: 77	8	
Sample Temp		DileC		·	Detro odor	-
Field Data					0	
Time (24 HR)	Temp	Cond	pН	Pump Rate or Bail No.	Turbidity	Other
1152	19.8	467	11.8	2 ag	V. High	DK brn-gr
1154	18.8	429	8.03	, tea.		
1155	18:4	4:30	7,89	lloal	Mal	12
1206	19:3	245	7.83	20eal	Mod	Drn-grey
	1.0					
18 Sample Colle	ction Method:	418 420	7.73	23eal 36eal	Jught	lain V
Sample Collect The monitor well	ction Method: was purged: er in the casing and above the middle un er in the casing and temperature, condu- until temperature, col- lected: imp, or tubing attach H stabilized. mp, or tubing attach H stabilized. bailers until the tem tr re placed in appropr s were filled to preve	420 filter by slowly setti til the until the temp filter by slowly setti etivity and pH stabili onductivity and pH stabili onductivity and pH st thed to a pump, at app perature, conductivit iate containers suital	+, 78 ing a pump or inta erature, conductivit ng a pump or intak zed. OR, tabilized. hin the approximat roximately y and pH stabilized of for analyses req	36-gal ke tubing within th ty and pH stabilized e tubing at approxin te middle of the se feet above the botto l. uested. As necessar	e approximate mid . OR, nately feet a reened interval un om of the casing ur y, the containers w	Idle of the screened above the bottom of til the temperature, ntil the temperature,
Sample Collect The monitor well of stagnant wat interval or slightly of stagnant wat the casing until the by hand bailing Samples were col by setting a put conductivity and p by setting a put conductivity and p with disposable Sample Shipment Water samples we lab. The container for transport to the Analysis Req	ction Method: was purged: er in the casing and above the middle ur er in the casing and temperature, condu- until temperature, col- lected: imp, or tubing attach H stabilized. mp, or tubing attach H stabilized. bailers until the tem ter placed in approprise were filled to preve- laboratory. uested: (per lab	420 filter by slowly setti til the until the temp filter by slowly setti etivity and pH stabili onductivity and pH st thed to a pump, with ed to a pump, at app perature, conductivit iate containers suital ent air-entrapment, s	+, 78 ing a pump or inta erature, conductivit ng a pump or intak zed. OR, tabilized. hin the approxima roximately y and pH stabilized ole for analyses req ealed, labeled, and ols)	36-gal ke tubing within th ty and pH stabilized e tubing at approxin te middle of the se feet above the botto l uested. As necessar placed in an ice ch	e approximate mid . OR, mately feet a reened interval un om of the casing ur y, the containers w est at approximatel BTEX (8	Idle of the screened above the bottom of til the temperature, ntil the temperature, vere prepared by the ty 4°C (e.g. blu-ice)
Sample Colle The monitor well of stagnant wat interval or slightly of stagnant wat the casing until the by hand bailing Samples were col by setting a put conductivity and p by setting a put conductivity and p by setting a put conductivity and p with disposable Sample Shipment Water samples we lab. The container for transport to the Analysis Req NWTPH-HO	ction Method: was purged: er in the casing and above the middle ur er in the casing and temperature, condu- until temperature, condu- until temperature, condu- until temperature, co- lected: imp, or tubing attache H stabilized. bailers until the tem tre placed in appropris swere filled to prev- laboratory. uested: (per lat CID; □ NWTPH-	420 filter by slowly setti til the until the temp filter by slowly setti etivity and pH stabili onductivity and pH stabili onductivity and pH stabili onductivity and pH stabili end to a pump, at app perature, conductiviti iate containers suital ent air-entrapment, s <u>poratory protoco</u> -Gx; X NWTPH	+       +         ing a pump or intagenerature, conductiviting a pump or intaked.         ing in the approximation of the approximately         ing and pH stabilized on the for analyses requested, labeled, and on the provide on the provi	36-gal ke tubing within th ty and pH stabilized e tubing at approxin te middle of the se feet above the botto l. uested. As necessar placed in an ice ch	e approximate mid. OR, nately feet a reened interval un om of the casing ur y, the containers w est at approximatel $BT \in X$ (2 VOC; $\Box$ HVO	Idle of the screened above the bottom of til the temperature, ntil the temperature, vere prepared by the ty 4°C (e.g. blu-ice)
Sample Colle The monitor well of stagnant wat interval or slightly of stagnant wat the casing until the by hand bailing Samples were col by setting a pur conductivity and p by setting a pur conductivity and p with disposable Sample Shipment Water samples we lab. The container for transport to the Analysis Req NWTPH-HQ SemiVOC;	ction Method: was purged: er in the casing and above the middle ur er in the casing and temperature, condu- until temperature, co- lected: imp, or tubing attach H stabilized. bailers until the tem tr re placed in appropris were filled to preve- laboratory. uested: (per lat CID; □ NWTPH- A PAH; □ PCB;	420 filter by slowly setti tit the until the temp filter by slowly setti etivity and pH stabili onductivity and pH st hed to a pump, with ed to a pump, at app perature, conductivit iate containers suital ent air-entrapment, s poratory protoco -Gx; NWTPH Desticides; (D	+, 78         ing a pump or intak         erature, conductivity         ng a pump or intak         ized, OR,         tabilized.         hin the approximation         wroximately         y and pH stabilized         ble for analyses requested, labeled, and         bls)         -Dx;       NWTPI         38,       10,	36-gal ke tubing within th ty and pH stabilized e tubing at approxim te middle of the se feet above the botto l. uested. As necessar placed in an ice ch <u>H-Gx/BTEX; X</u> Metals; □ TCL	e approximate mid. OR, nately feet a reened interval un om of the casing ur y, the containers w est at approximatel $BT \in X$ (2 VOC; $\Box$ HVO	Idle of the screened above the bottom of til the temperature, ntil the temperature, vere prepared by the ty 4°C (e.g. blu-ice)
Sample Colle The monitor well of stagnant wat interval or slightly of stagnant wat the casing until the by hand bailing Samples were col by setting a put conductivity and p by setting a put conductivity and p by setting a put conductivity and p with disposable Sample Shipment Water samples we lab. The container for transport to the Analysis Req NWTPH-HO	ction Method: was purged: er in the casing and above the middle ur er in the casing and temperature, condu- until temperature, condu- until temperature, condu- until temperature, co- lected: imp, or tubing attache H stabilized. bailers until the tem tre placed in appropris swere filled to prev- laboratory. uested: (per lat CID; □ NWTPH-	420 filter by slowly setti tit the until the temp filter by slowly setti etivity and pH stabili onductivity and pH st hed to a pump, with ed to a pump, at app perature, conductivit iate containers suital ent air-entrapment, s poratory protoco -Gx; NWTPH Desticides; (D	+       +         ing a pump or intagenerature, conductiviting a pump or intaked.         ing in the approximation of the approximately         ing and pH stabilized on the for analyses requested, labeled, and on the provide on the provi	36-gal ke tubing within th ty and pH stabilized e tubing at approxim te middle of the se feet above the botto l. uested. As necessar placed in an ice ch <u>H-Gx/BTEX; X</u> Metals; □ TCL	e approximate mid. OR, nately feet a reened interval un om of the casing ur y, the containers w est at approximatel $BT \in X$ (2 VOC; $\Box$ HVO	Idle of the screened above the bottom of til the temperature, ntil the temperature, vere prepared by the ty 4°C (e.g. blu-ice)

Temp.: <sup>(□</sup> <0 Humidity %: □	□0-32 □33- ]<25 □26-49	54 □55-79 🔯> ⊠(50-74 □>75		d from:□N □NÉ □ ip.: ⊠None □Mist		
		. Mitel /		N N N	nd / 9/	te la
WELL NO. (or	the second s	een length: 5		E NUMBER:	W-6-01	15/19
Well depth: Well install da			Laborato	d/or RFA Numb		
Pre-purge SW	W I T		Coc and Casing d	A 1.	er.	
the second se	the second s	125			11	
Time Sample	the second s	100		sample time: /	PUN	
Sample Turbid				Conductance:	471	
Sample Color:	1.	ray	Sample		0	3
Sample Tempe	erature: 20,4	C	Sample (	Jaor: Vitain	it potro a	200r
Field Data	20.000	Card 1		Dump Bata as	Thead of the	0.1
Time (24 HR)	Temp	Cond	pH	Pump Rate or Bail No	Turbidity	Other
1257	2013	461	7,80	29a).	High	DK brn-
1301	20.6	495	7.57	Flat	w.	~ * ·
	19.0	4.6+	+194 8.06	Laal	Mad	Drn-9
1313	10.11		6.06	4.6al	Mod	40
1334	8,4	460	the second se	16 00	light	La broad
1340 1940 1910 Sample Collec	B.9 19.7 ction Method	474 467	7.67 7.56 7.86	23 gal	Light	Lt. brn-
Sample Collect The monitor well of stagnant wate interval or slightly of stagnant wate the casing until the by hand bailing Samples were coll by setting a pur conductivity and pl by setting a pur conductivity and pl Sample Shipment: Water samples were	Big ction Method was purged: er in the casing and above the middle u r in the casing and temperature, condu- until temperature, condu- until temperature, condu- until temperature, condu- temp, or tubing attach H stabilized. stabilized. bailers until the tem- e placed in approp- were filled to pre-	474 467	7.67 7.86 7.86 rature, conductiv g a pump or intal ed. OR, bilized. in the approximatoximately and pH stabilize e for analyses re-	23954 ake tubing within the ity and pH stabilized. ke tubing at approxim ate middle of the scr feet above the botton d. guested. As necessary	e approximate mi OR, nately feet reened interval up m of the casing u	above the bottom ntil the temperatu ntil the temperatu were prepared by
Sample Collect The monitor well of stagnant wate interval or slightly of stagnant wate the casing until the by hand bailing Samples were coll by setting a pur conductivity and pl by setting a pur conductivity and pl Sample Shipment: Water samples wer lab. The containers for transport to the Analysis Requ	tion Method was purged: er in the casing and above the middle u r in the casing and temperature, condu- until temperature, co- ected: mp, or tubing attach t stabilized. p, or tubing attach t stabilized. bailers until the tem e placed in approp- were filled to pre- laboratory. uested: (per la	d filter by slowly settin ntil the until the tempe filter by slowly settin activity and pH stabiliz conductivity and pH stabiliz conductivity and pH sta ched to a pump, at appr nperature, conductivity riate containers suitably vent air-entrapment, se boratory protoco	7.67 7.86 7.86 rature, conductiv g a pump or intal ed. OR, bilized. in the approximatory oximately and pH stabilize e for analyses re- aled, labeled, and ls)	18 ded 23 ged ake tubing within the ity and pH stabilized. ke tubing at approxim ate middle of the scr feet above the botton d. quested. As necessary d placed in an ice che	e approximate mi OR, nately fect reened interval up m of the casing u y, the containers vest at approximate BTEX (8)	ddle of the screet above the bottom ntil the temperate ntil the temperate were prepared by by 4°C (e.g. blu-
Sample Collect The monitor well of stagnant wate interval or slightly of stagnant wate the casing until the by hand bailing Samples were coll by setting a pur conductivity and pl by setting a pur conductivity and pl by setting a pur conductivity and pl Sample Shipment: Water samples wer lab. The containers for transport to the Analysis Requ NWTPH-HC	Bi9 ction Method was purged: r in the casing and above the middle u r in the casing and temperature, condu- until temperature, of eeted: mp, or tubing attach H stabilized. bailers until the tem- e placed in approprise were filled to pre- laboratory. uested: (per la D; □ NWTPH-	d filter by slowly settin ntil the until the tempe filter by slowly settin activity and pH stabiliz conductivity and pH stabiliz conductivity and pH stabiliz ched to a pump, at appr nperature, conductivity riate containers suitably vent air-entrapment, se boratory protoco I-Gx; X NWTPH-	7.67 7.86 7.86 rature, conductiv g a pump or intal ed. OR, bilized. in the approxima oximately and pH stabilize e for analyses re- aled, labeled, and ls) Dx; □ NWTP	23954 ake tubing within the ity and pH stabilized. ke tubing at approxim ate middle of the scr feet above the botton d. quested. As necessary d placed in an ice che	e approximate mi OR, nately feet reened interval up m of the casing u v, the containers v est at approximate <u>BTEX (8</u> VOC; $\Box$ HVO	ddle of the screet above the bottom ntil the temperate ntil the temperate were prepared by by 4°C (e.g. blu-
Sample Collect The monitor well of stagnant wate interval or slightly of stagnant wate the casing until the by hand bailing Samples were coll by setting a pur conductivity and pl by setting a pur conductivity and pl by setting a pur conductivity and pl Sample Shipment: Water samples wer lab. The containers for transport to the Analysis Requ NWTPH-HC	tion Method was purged: er in the casing and above the middle ur r in the casing and temperature, condu- until temperature, condu- until temperature, condu- until temperature, condu- until temperature, condu- until temperature, condu- until temperature, condu- tatabilized. bailers until the tem e placed in approp- were filled to pre- laboratory. uested: (per la ID; □ NWTPH- PAH; □ PCB	d filter by slowly settin ntil the until the tempe filter by slowly settin activity and pH stabiliz conductivity and pH stabiliz conductivity and pH stabiliz ched to a pump, at appr mperature, conductivity riate containers suitable containers sui	7.67 7.86 7.86 rature, conductiv g a pump or intal ed. OR, bilized. in the approxima oximately and pH stabilize e for analyses re- aled, labeled, and ls) Dx; □ NWTP	ake tubing within the ity and pH stabilized. ke tubing at approxim ate middle of the scr feet above the botton d. quested. As necessary d placed in an ice che PH-Gx/BTEX; D ) Metals; D TCLF	e approximate mi OR, nately feet reened interval up m of the casing u v, the containers v est at approximate <u>BTEX (8</u> VOC; $\Box$ HVO	ddle of the scree above the bottom ntil the temperat ntil the temperat were prepared by bly 4°C (e.g. blu-

Notes: 2-inch, Schedule 40 PVC casing = 0.163 gallons per foot; 6" Hole = 1.469 gallons per foot

.

PROJECT NA	ME. Howse								
	MD. TOTX	Heaven HI	115 Travel Pl	A30 PROJECT	NO .: F 20140	0802			
PROJECT LOG	CATION: Pro	AW TSPER							
Weather: DFair	□Overcast □	Fog DRain DSno	w Wind	: 🖾 Calm 🗆	Light DModer	ate Strong			
Temp.: □<0	□0-32 □33-5	4 ⊠55-79 □>8	0 Wind	Wind from: IN INE IE ISE IS ISW IW INW					
Humidity %: 🗆	<25 🗆 26-49	0,50-74 □>75	Preci	Precip.: ONone OMist OLight OModerate OHeavy					
		1			1				
WELL NO. (or	Boring, Location	): MW-+	SAMPLE	NUMBER:	NW-7-8/19	5/14			
Well depth: 2	1.50' Scree	en length: 17	Laborato	ry: ALS					
Well install dat	te: 8/12/1	Ц	COC and	/or RFA Numb	per:				
Pre-purge SWI	: 2.68"		Casing di	iameter: 2"					
Time Sample	Collected: O	910	SWL at s	ample time:	NA				
Sample Turbid				Conductance:	45345				
Sample Color:	tan		Sample p	H: 7.	75				
Sample Tempe		6°C	Sample C	Done None					
Field Data									
Time (24 HR)	Temp	Cond	pН	Pump Rate or Bail No.	Turbidity	Other			
0850	19.6	459	7.63	Zgal.	V.hioh	dK brr			
0853	21.0	450	7165	9 dal	3.	, V			
0855	18.0	430	7.70	120al	nien.	. 010			
0857	16.7	453	7.77	2 Qbal	mod thigh	It. brn			
0858	16.8	444	7.45	27.001	Tran C 1	10			
	1				Lood-	1 1			
The monitor well w	vas purged:	453	775	35 92	light	tan			
The monitor well v of stagnant wate interval or slightly a of stagnant wate the casing until the t by hand bailing u Samples were colle by setting a pur conductivity and pH by setting a pur conductivity and pH with disposable t Sample Shipment: Water samples were lab. The containers	vas purged: r in the casing and bove the middle uni- r in the casing and f temperature, conduc- until temperature, co- seted: np, or tubing attach I stabilized. p, or tubing attache I stabilized. pailers until the temp e placed in appropri- were filled to preve	463 filter by slowly setting filter by slowly setting filter by slowly setting tivity and pH stabilize nductivity and pH stabilize ned to a pump, within d to a pump, at appro perature, conductivity a ate containers suitable nt air-entrapment, sea	ature, conductivi a pump or intaked. OR, pilized. In the approxima ximately and pH stabilized for analyses req	the tubing within the ty and pH stabilized te tubing at approxim te middle of the so feet above the botto l. guested. As necessar	e approximate mide OR, nately Feet at recened interval unti om of the casing unt	lle of the screened bove the bottom o I the temperature il the temperature			
The monitor well v of stagnant wate interval or slightly a of stagnant wate the casing until the l by hand bailing us samples were colle by setting a pure conductivity and pH by setting a pure conductivity and pH with disposable b Sample Shipment: Water samples were ab. The containers for transport to the l	vas purged: r in the casing and bove the middle uni- r in the casing and f temperature, conduc- until temperature, co- seted: np, or tubing attach I stabilized. p, or tubing attache I stabilized. pailers until the temp e placed in appropri- were filled to preve aboratory.	al the until the temper liter by slowly setting tivity and pH stabilize inductivity and pH stab ned to a pump, within d to a pump, at appro- perature, conductivity a ate containers suitable	ature, conductivi a pump or intaked. OR, pilized. In the approxima ximately and pH stabilized for analyses req led, labeled, and	the tubing within the ty and pH stabilized te tubing at approxim te middle of the so feet above the botto l. guested. As necessar	e approximate mide OR, nately Feet at recened interval unti om of the casing unt	lle of the screene pove the bottom o I the temperature il the temperature re prepared by th 4°C (e.g. blu-ice			
The monitor well v A of stagnant wate interval or slightly a of stagnant water the casing until the t by hand bailing u Samples were colle by setting a pur conductivity and pH by setting a pur conductivity and pH with disposable by Sample Shipment: Water samples were lab. The containers for transport to the 1 Analysis Requ NWTPH-HC	vas purged: r in the casing and bove the middle unit r in the casing and fi temperature, conduct intil temperature, co- seted: mp, or tubing attach I stabilized. p, or tubing attache I stabilized. pailers until the temp e placed in appropri- were filled to preve aboratory. mested: (per lab ID; □ NWTPH-	il the until the temper ilter by slowly setting tivity and pH stabilize nductivity and pH stabilize hed to a pump, within d to a pump, at appro- perature, conductivity a ate containers suitable nt air-entrapment, sea <u>oratory protocol</u> : Gx; XNWTPH-E	ature, conductivi a pump or intak d. OR, bilized. In the approxima ximately and pH stabilized for analyses req led, labeled, and s) Dx; $\Box$ NWTPI	tke tubing within th ty and pH stabilized te tubing at approxin te middle of the sc feet above the botto l. puested. As necessar placed in an ice ch	e approximate mide OR, nately feet at recenced interval unti- om of the casing unt y, the containers we est at approximately BTEX (8) VOC; $\Box$ HVOC	lle of the screene bove the bottom of 1 the temperature il the temperature re prepared by the $4^{\circ}C$ (e.g. blu-ice 2.60)			
The monitor well v of stagnant wate interval or slightly a of stagnant water the casing until the t by hand bailing u Samples were colle by setting a pur conductivity and pH by setting a pur conductivity and pH with disposable b Sample Shipment: Water samples were lab. The containers for transport to the I Analysis Requ NWTPH-HC SemiVOC; 5	vas purged: r in the casing and bove the middle unit r in the casing and fi temperature, conduct intil temperature, co- seted: np, or tubing attack I stabilized. p, or tubing attacke I stabilized. pailers until the temp e placed in appropri- were filled to prever aboratory. tested: (per lab ID; \Box NWTPH- PAH; \Box PCB;	il the until the temper ilter by slowly setting tivity and pH stabilize nductivity and pH stabilize hed to a pump, within d to a pump, at appro- berature, conductivity a ate containers suitable nt air-entrapment, sea <u>oratory protocol</u> : Gx; NWTPH-E Pesticides; (	ature, conductivi a pump or intak d. OR, bilized. In the approxima ximately and pH stabilized for analyses req led, labeled, and s) Dx; NWTP1 3,10,13)	tke tubing within th ty and pH stabilized te tubing at approxin te middle of the sc feet above the botto l. puested. As necessar placed in an ice ch	e approximate mide OR, nately feet at recenced interval unti- om of the casing unt y, the containers we est at approximately BTEX (8) VOC; $\Box$ HVOC	lle of the screene bove the bottom of 1 the temperature il the temperature re prepared by the $4^{\circ}C$ (e.g. blu-ice 2.60)			
The monitor well v of stagnant wate interval or slightly a of stagnant water the casing until the t by hand bailing u Samples were colle by setting a pur conductivity and pH by setting a pur conductivity and pH with disposable b Sample Shipment: Water samples were lab. The containers for transport to the I Analysis Requ NWTPH-HC SemiVOC; 5	vas purged: r in the casing and bove the middle unit r in the casing and fi temperature, conduct intil temperature, co- seted: np, or tubing attack I stabilized. p, or tubing attacke I stabilized. pailers until the temp e placed in appropri- were filled to prever aboratory. tested: (per lab ID; \Box NWTPH- PAH; \Box PCB;	il the until the temper ilter by slowly setting tivity and pH stabilize nductivity and pH stabilize hed to a pump, within d to a pump, at appro- perature, conductivity a ate containers suitable nt air-entrapment, sea <u>oratory protocol</u> : Gx; XNWTPH-E	ature, conductivi a pump or intak d. OR, bilized. In the approxima ximately and pH stabilized for analyses req led, labeled, and s) Dx; NWTP1 3,10,13)	tke tubing within th ty and pH stabilized te tubing at approxin te middle of the sc feet above the botto l. puested. As necessar placed in an ice ch	e approximate mide OR, nately feet at recenced interval unti- om of the casing unt y, the containers we est at approximately BTEX (8) VOC; $\Box$ HVOC	lle of the screene pove the bottom of 1 the temperature il the temperature re prepared by th 2.60			
interval or slightly a of stagnant water the casing until the l by hand bailing u Samples were colle by setting a pur conductivity and pH by setting a pur conductivity and pH with disposable b Sample Shipment: Water samples were lab. The containers for transport to the l Analysis Requ NWTPH-HC	vas purged: r in the casing and bove the middle unit r in the casing and fi temperature, conduct intil temperature, co- seted: np, or tubing attack I stabilized. p, or tubing attacke I stabilized. pailers until the temp e placed in appropri- were filled to prever aboratory. tested: (per lab ID; \Box NWTPH- PAH; \Box PCB;	al the until the temper liter by slowly setting tivity and pH stabilize nductivity and pH stabilize ned to a pump, at appro- berature, conductivity and ate containers suitable nt air-entrapment, sear- oratory protocol: Gx; NWTPH-L Pesticides; (	ature, conductivi a pump or intak d. OR, bilized. In the approximal ximately and pH stabilized for analyses req led, labeled, and s) Dx; NWTP1 3,10,13) Tesults	tke tubing within th ty and pH stabilized te tubing at approxin te middle of the sc feet above the botto l. puested. As necessar placed in an ice ch	e approximate mide OR, nately feet at recenced interval unti- om of the casing unt y, the containers we est at approximately BTEX (8) VOC; $\Box$ HVOC	lle of the screene pove the bottom of 1 the temperature il the temperature re prepared by the $4^{\circ}C$ (e.g. blu-ice 2.60)			

#### **APPENDIX E**

Laboratory Analytical Report Accompanied By Proper Chain-Of-Custody Documentation



August 28, 2014

Ms. Peter Trabusiner Blue Mountain Environmental Consulting 1500 Adair Dr, Richland, WA 99352

Dear Ms. Trabusiner,

On August 19th, 21 samples were received by our laboratory and assigned our laboratory project number EV14080092. The project was identified as your E20140802. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan Laboratory Director

Page 1
ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com



#### CERTIFICATE OF ANALYSIS

CLIENT:	Blue Mountain Envir Consulting 1500 Adair Dr, Richland, WA 99352			DATE: ALS JOB#: ALS SAMPLE#:	8/28/20 EV140 EV140		
CLIENT CONTACT:	Peter Trabusiner		D	DATE RECEIVED:			
CLIENT PROJECT:	LIENT PROJECT: E20140802		COL	LECTION DATE:	8/12/20	014 9:20:00	AM
CLIENT SAMPLE ID	MW-7@9'		WDOE AC	CCREDITATION:	C601		
		SAMPLE	DATA RESULTS				
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	08/19/2014	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/19/2014	DLC
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	70.2				08/19/2014	DLC
C25	NWTPH-DX	75.4				08/20/2014	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

Page 2 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



		CERTIFIC	ATE OF ANALYSIS						
CLIENT:	Consulting 1500 Adair Dr,			DATE: ALS JOB#: ALS SAMPLE#:			EV14080092		
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Richland, WA 9935 Peter Trabusiner E20140802 MW-7@15'	2	COL	ATE RECEIVED: LECTION DATE: CCREDITATION:	08/19/2 8/12/20 C601	2014 )14 11:00:0	00 AM		
		SAMPLE	E DATA RESULTS						
		<u> </u>	REPORTING	DILUTION		ANALYSIS			
ANALYTE	METHOD	RESULTS	LIMITS	FACTOR	UNITS	DATE	BY		
Benzene	EPA-8021	U	0.030	1	MG/KG	08/19/2014	DLC	1	
Toluene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	1	
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	1	
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/19/2014	DLC	1	
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	)	
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1	
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY		
TFT	EPA-8021	82.2				08/19/2014	DLC	1	
C25	NWTPH-DX	75.5				08/20/2014	EBS	1	

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Page 3



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Envi Consulting	ronmental		DATE: ALS JOB#:		28/2014 /14080092		
	1500 Adair Dr, Richland, WA 99352			ALS SAMPLE#:				
CLIENT CONTACT:	CONTACT: Peter Trabusiner		D	ATE RECEIVED:	08/19/2	2014		
CLIENT PROJECT:			COL	LECTION DATE:	8/12/20	014 2:35:00	) PM	
CLIENT SAMPLE ID MW-6@6'		WDOE AG	CCREDITATION:	C601				
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Benzene	EPA-8021	U	0.030	1	MG/KG	08/19/2014	DLC	
Toluene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/19/2014	DLC	
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	
		27 <b>PEO</b>				ANALYSIS DATE	ANALYSIS BY	
SURROGATE	METHOD	%REC						
TFT	EPA-8021	99.2				08/19/2014	DLC	
C25	NWTPH-DX	75.1				08/20/2014	EBS	

U - Analyte analyzed for but not detected at level above reporting limit.

Page 4 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Envi Consulting	ironmental		DATE: ALS JOB#:	8/28/20 EV140			
	1500 Adair Dr, Richland, WA 99352			ALS SAMPLE#: EV14				
CLIENT CONTACT:	Peter Trabusiner		D	ATE RECEIVED:	08/19/2	2014		
CLIENT PROJECT:				LECTION DATE:	8/12/20	)14 2:55:00	) PM	
CLIENT SAMPLE ID			WDOE AG	CCREDITATION:	C601			
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Benzene	EPA-8021	U	0.030	1	MG/KG	08/20/2014	DLC	)
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	)
Ethylbenzene	EPA-8021	0.12	0.050	1	MG/KG	08/20/2014	DLC	)
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC	
TPH-Diesel Range	NWTPH-DX	810	25	1	MG/KG	08/20/2014	EBS	
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	
TFT	EPA-8021	98.4				08/20/2014	DLC	
C25	NWTPH-DX	90.8				08/20/2014	EBS	

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

Page 5

www.alsglobal.com



		CERTIFIC	ATE OF ANALYSIS							
CLIENT: Blue Mountain Environmental Consulting			DATE: 8/28/2014 ALS JOB#: EV14080092							
	1500 Adair Dr, Richland, WA 99352			ALS SAMPLE#:		EV14080092-05				
CLIENT CONTACT:	-			DATE RECEIVED: 08			08/19/2014			
CLIENT PROJECT:							8/13/2014 11:00:00 AM			
CLIENT SAMPLE ID	CLIENT SAMPLE ID MW-1@2'			WDOE ACCREDITATION:			C601			
		SAMPLE	E DATA RESULTS							
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY			
Benzene	EPA-8021		0.030	1	MG/KG	08/19/2014	DLC	1		
Toluene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	ł		
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	ł		
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/19/2014	DLC	1		
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	1		
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1		
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY			
TFT	EPA-8021	135				08/19/2014	DLC	1		
C25	NWTPH-DX	69.6				08/20/2014	EBS	(		

U - Analyte analyzed for but not detected at level above reporting limit.

Page 6 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



		CERTIFIC	ATE OF ANALYSIS							
CLIENT: Blue Mountain Environmental Consulting			DATE: 8/28/2014 ALS JOB#: EV14080092							
	1500 Adair Dr, Richland, WA 99352			ALS SAMPLE#:			EV14080092-06			
CLIENT CONTACT:	-			DATE RECEIVED:			08/19/2014			
CLIENT PROJECT:				LECTION DATE:	8/13/20	8/13/2014 11:15:00 AM				
CLIENT SAMPLE ID				WDOE ACCREDITATION:			C601			
		SAMPLE	DATA RESULTS							
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY			
Benzene	EPA-8021	U	0.030	1	MG/KG	08/19/2014	DLC	1		
Toluene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	1		
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	1		
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/19/2014	DLC	1		
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	1		
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1		
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY			
TFT	EPA-8021	89.1				08/19/2014	DLC	1		
C25	NWTPH-DX	74.1				08/20/2014	EBS	1		

U - Analyte analyzed for but not detected at level above reporting limit.

Page 7 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



		CERTIFIC	ATE OF ANALYSIS						
CLIENT:	Blue Mountain Env Consulting 1500 Adair Dr, Richland, WA 9935			DATE: ALS JOB#: ALS SAMPLE#: DATE RECEIVED: COLLECTION DATE: WDOE ACCREDITATION:			8/28/2014 EV14080092 EV14080092-07		
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Peter Trabusiner E20140802 MW-2@6'	-	COL				08/19/2014 8/13/2014 1:50:00 PM C601		
		SAMPLE	DATA RESULTS						
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	j	
Benzene	EPA-8021	U	0.030	1	MG/KG	08/20/2014	DLC	1	
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1	
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	(	
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC	1	
TPH-Diesel Range	NWTPH-DX	1000	25	1	MG/KG	08/20/2014	EBS	(	
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1	
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	i	
TFT	EPA-8021	80.6				08/20/2014	DLC	l	
C25	NWTPH-DX	83.7				08/20/2014	EBS	I	

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

Page 8

www.alsglobal.com



		CERTIFIC	ATE OF ANALYSIS							
CLIENT: Blue Mountain Environmental Consulting				DATE: 8/28/2014 ALS JOB#: EV14080092						
	1500 Adair Dr, Richland, WA 9935		ALS SAMPLE#:			EV14080092-08				
CLIENT CONTACT:	Peter Trabusiner		D	DATE RECEIVED:			08/19/2014			
CLIENT PROJECT:				COLLECTION DATE:		8/13/2014 3:00:00 PM				
CLIENT SAMPLE ID				WDOE ACCREDITATION:			C601			
		SAMPLE	DATA RESULTS							
	METHOD		REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	,		
ANALYTE Benzene	METHOD EPA-8021	RESULTS U	0.030	1	MG/KG	08/20/2014	DLC	1		
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC			
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	)		
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC			
TPH-Diesel Range	NWTPH-DX	100	25	1	MG/KG	08/20/2014	EBS			
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1		
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	1		
TFT	EPA-8021	107				08/20/2014	DLC			
C25	NWTPH-DX	89.5				08/20/2014	EBS			

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

Page 9

www.alsglobal.com


		CERTIFIC	ATE OF ANALYSIS				
CLIENT:	Blue Mountain Envi Consulting 1500 Adair Dr, Richland, WA 9935	untain Environmental ng lair Dr, d, WA 99352 abusiner 302 7.5' <b>SAMPLE DA</b> <b>ETHOD RESULTS</b> PA-8021 U PA-8021 U PA-8021 U PA-8021 U PA-8021 U VTPH-DX <b>960</b> VTPH-DX U		DATE: ALS JOB#: ALS SAMPLE#:	8/28/2014 EV14080092 EV14080092-09		
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Peter Trabusiner E20140802 MW-3@7.5'	-	COL	ATE RECEIVED: LECTION DATE: CCREDITATION:	08/19/2 8/14/20 C601	2014 014 7:40:00	) AM
		SAMPLE	E DATA RESULTS				
ANALYTE	METHOD	BESUI TS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021		0.030	1	MG/KG	08/20/2014	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC
TPH-Diesel Range	NWTPH-DX	960	25	1	MG/KG	08/20/2014	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	71.4				08/20/2014	DLC
C25	NWTPH-DX	80.1				08/20/2014	EBS

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

Page 10



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Envi Consulting 1500 Adair Dr,	ronmental		DATE: ALS JOB#: ALS SAMPLE#:	8/28/20 EV140 EV140			
	Richland, WA 9935	2						
CLIENT CONTACT:	Peter Trabusiner		D	ATE RECEIVED:	08/19/2	2014		
CLIENT PROJECT:	E20140802		COL	LECTION DATE:	8/14/20	)14 8:30:00	) AM	
CLIENT SAMPLE ID	MW-3@10'		WDOE AC	CCREDITATION:	C601			
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Benzene	EPA-8021	U	0.030	1	MG/KG	08/19/2014	DLC	1
Toluene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	1
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	ł
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/19/2014	DLC	1
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	
TFT	EPA-8021	114				08/19/2014	DLC	ł
C25	NWTPH-DX	87.6				08/20/2014	EBS	1

Page 11 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Envi Consulting 1500 Adair Dr, Diskland, WA 0005			DATE: ALS JOB#: ALS SAMPLE#:	8/28/20 EV140 EV140			
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Richland, WA 9935 Peter Trabusiner E20140802 MW-5@6.5'	2	COL	ATE RECEIVED: LECTION DATE: CCREDITATION:	08/19/2 8/14/20 C601	2014 014 10:05:0	00 AM	
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
ANALYIE Benzene	EPA-8021	U	0.030	1	MG/KG	08/20/2014	DLC	)
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC	1
TPH-Diesel Range	NWTPH-DX	630	25	1	MG/KG	08/20/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	
TFT	EPA-8021	77.0				08/20/2014	DLC	1
C25	NWTPH-DX	92.2				08/20/2014	EBS	)

Page 12 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Consulting	Mountain Environmental ulting Adair Dr, and, WA 99352 <sup>.</sup> Trabusiner 40802 5@9'		DATE: ALS JOB#:	8/28/20 EV140	80092		
	Richland, WA 9935	2		ALS SAMPLE#:	EV140	80092-12		
CLIENT CONTACT:	Peter Trabusiner		D	ATE RECEIVED:	08/19/2	2014		
CLIENT PROJECT:	E20140802		COL	LECTION DATE:	8/14/20	014 10:30:0	00 AM	
CLIENT SAMPLE ID	MW-5@9'		WDOE AC	CCREDITATION:	C601			
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	DECIIITE	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Benzene			0.030	1	MG/KG	08/20/2014	DLC	1
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC	1
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1
	METHOD					ANALYSIS DATE	ANALYSIS BY	
SURROGATE	METHOD	%REC						
TFT	EPA-8021	101				08/20/2014	DLC	1
C25	NWTPH-DX	77.2				08/20/2014	EBS	1

Page 13
ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Env Consulting 1500 Adair Dr,	ironmental		DATE: ALS JOB#: ALS SAMPLE#:	8/28/20 EV140			
	Richland, WA 9935	52		ALS SAIVII LL#.		00032-13		
CLIENT CONTACT:	Peter Trabusiner		D	ATE RECEIVED:	08/19/2	2014		
CLIENT PROJECT:	E20140802		COL	LECTION DATE:	8/14/20	014 2:30:00	PM	
CLIENT SAMPLE ID	MW-4@7'		WDOE AC	CCREDITATION:	C601			
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Benzene	EPA-8021	U	0.030	1	MG/KG	08/20/2014	DLC	1
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC	1
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	l
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	
TFT	EPA-8021	106				08/20/2014	DLC	1
C25	NWTPH-DX	82.4				08/20/2014	EBS	1

Page 14 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Env	ironmental		DATE:	8/28/20			
	Consulting			ALS JOB#:	EV140			
	1500 Adair Dr, Richland, WA 9935	52		ALS SAMPLE#:	EV140	80092-14		
CLIENT CONTACT:	Peter Trabusiner		D	ATE RECEIVED:	08/19/2	2014		
CLIENT PROJECT:	E20140802		COL	LECTION DATE:	8/14/20	)14 2:40:00	PM	
CLIENT SAMPLE ID	MW-4@8'		WDOE AG	CCREDITATION:	C601			
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	,
Benzene	EPA-8021	U	0.030	1	MG/KG	08/20/2014	DLC	I.
Toluene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	1
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/20/2014	DLC	I.
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/20/2014	DLC	1
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	1
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	
TFT	EPA-8021	77.9				08/20/2014	DLC	1
C25	NWTPH-DX	77.8				08/20/2014	EBS	1

Page 15 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Envir Consulting	ronmental		DATE: ALS JOB#:	8/28/20 EV140	80092		
	1500 Adair Dr, Richland, WA 9935	2		ALS SAMPLE#:	EV140	80092-15		
CLIENT CONTACT:	Peter Trabusiner		D	ATE RECEIVED:	08/19/2	2014		
CLIENT PROJECT:	E20140802		COL	LECTION DATE:	8/15/20	)14 7:30:00	) AM	
CLIENT SAMPLE ID	MW-1-8/15/14		WDOE AC	CCREDITATION:	C601			
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	j
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	;
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	)
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC	
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	08/19/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	08/19/2014	EBS	
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	i
TFT	EPA-8021	83.8				08/20/2014	DLC	
C25	NWTPH-DX	103				08/19/2014	EBS	

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Page 16



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Envi Consulting 1500 Adair Dr, Richland, WA 9935			DATE: ALS JOB#: ALS SAMPLE#:	8/28/20 EV140 EV140			
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Peter Trabusiner E20140802 MW-7-8/15/14		COL	ATE RECEIVED: LECTION DATE: CCREDITATION:	08/19/2 8/15/20 C601	2014 014 8:35:00	) AM	
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	)
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	1
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	1
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC	)
TPH-Diesel Range	NWTPH-DX	360	130	1	ug/L	08/19/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	08/19/2014	EBS	1
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	
TFT	EPA-8021	85.9				08/20/2014	DLC	1
C25	NWTPH-DX	106				08/19/2014	EBS	1

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains highly weathered diesel.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

Page 17

www.alsglobal.com



		CERTIFIC	ATE OF ANALYSIS					
CLIENT:	Blue Mountain Env Consulting 1500 Adair Dr, Richland, WA 9935			DATE: ALS JOB#: ALS SAMPLE#:	8/28/20 EV140 EV140			
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Peter Trabusiner E20140802 MW-4-8/15/14		COL	ATE RECEIVED: LECTION DATE: CCREDITATION:	08/19/2 8/15/20 C601	2014 014 10:20:0	0 AM	
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	1
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	I
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	I
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC	I
TPH-Diesel Range	NWTPH-DX	150	130	1	ug/L	08/20/2014	EBS	I
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	08/20/2014	EBS	ł
						ANALYSIS DATE	ANALYSIS BY	
SURROGATE	METHOD	%REC				DATE	ВТ	
TFT	EPA-8021	86.0				08/20/2014	DLC	I
C25	NWTPH-DX	97.3				08/20/2014	EBS	ł

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

Page 18

www.alsglobal.com RIGHT SOLUTIONS RIGHT PARTNER



CLIENT:	Blue Mountain Envi Consulting	ronmental		DATE: ALS JOB#:	8/28/20 EV1408			
	1500 Adair Dr, Richland, WA 9935	2		ALS SAMPLE#:		30092-18		
CLIENT CONTACT:	Peter Trabusiner			ATE RECEIVED:	08/19/2	• • •		
CLIENT PROJECT:	E20140802			LECTION DATE:	8/15/20	14 11:20:00	D AM	
CLIENT SAMPLE ID	MW-2-8/15/14		WDOE A	CCREDITATION:	C601			
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS A DATE	ANALYSIS BY	
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	
Ethylbenzene	EPA-8021	1.4	1.0	1	ug/L	08/20/2014	DLC	
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC	
TPH-Diesel Range	NWTPH-DX	12000	260	2	ug/L	08/20/2014	EBS	,
TPH-Oil Range	NWTPH-DX	U	500	2	ug/L	08/20/2014	EBS	,
Naphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
2-Methylnaphthalene	EPA-8270 SIM	0.22	0.020	1	ug/L	08/27/2014	GAP	1
1-Methylnaphthalene	EPA-8270 SIM	3.8	0.020	1	ug/L	08/27/2014	GAP	
Acenaphthylene	EPA-8270 SIM	0.059	0.020	1	ug/L	08/27/2014	GAP	
Acenaphthene	EPA-8270 SIM	0.84	0.020	1	ug/L	08/27/2014	GAP	
Fluorene	EPA-8270 SIM	2.0	0.020	1	ug/L	08/27/2014	GAP	
Phenanthrene	EPA-8270 SIM	0.54	0.020	1	ug/L	08/27/2014	GAP	
Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
Fluoranthene	EPA-8270 SIM	0.023	0.020	1	ug/L	08/27/2014	GAP	
Pyrene	EPA-8270 SIM	0.27	0.020	1	ug/L	08/27/2014	GAP	
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
Chrysene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
Benzo[A]Pyrene	EPA-8270 SIM	U	0.029	1	ug/L	08/27/2014	GAP	
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	0.020	1	ug/L	08/27/2014	GAP	
						ANALYSIS A	ANALYSIS	į
SURROGATE	METHOD	%REC				DATE	BY	
TFT	EPA-8021	81.0				08/20/2014	DLC	
C25 2X Dilution	NWTPH-DX	105				08/20/2014	EBS	
Terphenyl-d14	EPA-8270 SIM	56.7				08/27/2014	GAP	

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

Environmental 🐊

www.alsglobal.com

PHONE 425-356-2600 FAX 425-356-2626

Page 19



CLIENT:	Blue Mountain Envi Consulting 1500 Adair Dr,			DATE: ALS JOB#: ALS SAMPLE#:	8/28/20 EV1408 EV1408			
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Richland, WA 9935 Peter Trabusiner E20140802 MW-5-08/15/14	2	COL	ATE RECEIVED: LECTION DATE: CCREDITATION:	08/19/2 8/15/20 C601	:014 14 12:25:00	) PM	
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS A DATE	ANALYSIS BY	;
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	0
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	)
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	)
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC	)
TPH-Diesel Range	NWTPH-DX	1100	130	1	ug/L	08/19/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	08/19/2014	EBS	1
Naphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Acenaphthylene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Acenaphthene	EPA-8270 SIM	0.45	0.020	1	ug/L	08/28/2014	GAP	!
Fluorene	EPA-8270 SIM	1.3	0.020	1	ug/L	08/28/2014	GAP	1
Phenanthrene	EPA-8270 SIM	0.41	0.020	1	ug/L	08/28/2014	GAP	1
Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Fluoranthene	EPA-8270 SIM	0.030	0.020	1	ug/L	08/28/2014	GAP	1
Pyrene	EPA-8270 SIM	0.20	0.020	1	ug/L	08/28/2014	GAP	!
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Chrysene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Benzo[A]Pyrene	EPA-8270 SIM	U	0.029	1	ug/L	08/28/2014	GAP	!
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	!
						ANALYSIS A		
SURROGATE	METHOD	%REC				DATE	BY	
TFT	EPA-8021	80.8				08/20/2014	DLC	1
C25	NWTPH-DX	106				08/19/2014	EBS	1
Terphenyl-d14	EPA-8270 SIM	56.8				08/28/2014	GAP	1

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

#### Page 20

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com



CLIENT:	Blue Mountain Envi	ronmental		DATE:	8/28/20		
	Consulting			ALS JOB#:	EV140		
	1500 Adair Dr,	•		ALS SAMPLE#:	EV140	80092-20	
	Richland, WA 9935	2	_				
CLIENT CONTACT:	Peter Trabusiner			ATE RECEIVED:	08/19/2	•••	
CLIENT PROJECT:	E20140802			LECTION DATE:		014 2:35:00	PM
CLIENT SAMPLE ID	MW-6-8/15/14		WDOE AC	CCREDITATION:	C601		
		SAMPLE	DATA RESULTS				
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS A DATE	NALYSIS BY
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC
TPH-Diesel Range	NWTPH-DX	2600	130	1	ug/L	08/20/2014	EBS
TPH-Oil Range	NWTPH-DX	1200	250	1	ug/L	08/20/2014	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.18	0.020	1	ug/L	08/28/2014	GAP
-Methylnaphthalene	EPA-8270 SIM	0.17	0.020	1	ug/L	08/28/2014	GAP
Acenaphthylene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Acenaphthene	EPA-8270 SIM	0.25	0.020	1	ug/L	08/28/2014	GAP
Fluorene	EPA-8270 SIM	0.40	0.020	1	ug/L	08/28/2014	GAP
Phenanthrene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Fluoranthene	EPA-8270 SIM	0.047	0.020	1	ug/L	08/28/2014	GAP
Pyrene	EPA-8270 SIM	0.13	0.020	1	ug/L	08/28/2014	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Chrysene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.029	1	ug/L	08/28/2014	GAP
ndeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP
						ANALYSIS A	NALYSIS
SURROGATE	METHOD	%REC				DATE	BY
TFT	EPA-8021	78.7				08/20/2014	DLC
C25	NWTPH-DX	144 DS1				08/20/2014	EBS
Terphenyl-d14	EPA-8270 SIM	56.0				08/28/2014	GAP

DS1 - Surrogate outside of control limits due to matrix effect. U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains weathered diesel and an unidentified oil range product.

ALS Laboratory Group A Campbell Brothers Limited Company

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626

www.alsglobal.com



								_
CLIENT:	Consulting 1500 Adair Dr,			DATE: ALS JOB#: ALS SAMPLE#:	8/28/2014 EV14080092 EV14080092-21 08/19/2014 8/15/2014 3:30:00 PM C601			
CLIENT CONTACT: CLIENT PROJECT: CLIENT SAMPLE ID	Richland, WA 99352 Peter Trabusiner E20140802 MW-3-8/15/14		COL	ATE RECEIVED: LECTION DATE: CCREDITATION:				
		SAMPLE	DATA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS A	ANALYSIS BY	
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	)
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	(
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	(
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC	(
TPH-Diesel Range	NWTPH-DX	10000	260	2	ug/L	08/20/2014	EBS	1
TPH-Oil Range	NWTPH-DX	U	500	2	ug/L	08/20/2014	EBS	1
Naphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	
Acenaphthylene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
Acenaphthene	EPA-8270 SIM	0.10	0.020	1	ug/L	08/28/2014	GAP	1
Fluorene	EPA-8270 SIM	0.19	0.020	1	ug/L	08/28/2014	GAP	
Phenanthrene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	I
Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
Fluoranthene	EPA-8270 SIM	0.022	0.020	1	ug/L	08/28/2014	GAP	1
Pyrene	EPA-8270 SIM	0.13	0.020	1	ug/L	08/28/2014	GAP	1
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	
Chrysene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	ļ
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
Benzo[A]Pyrene	EPA-8270 SIM	U	0.029	1	ug/L	08/28/2014	GAP	ł
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	0.020	1	ug/L	08/28/2014	GAP	1
						ANALYSIS A		
SURROGATE	METHOD	%REC				DATE	BY	
TFT	EPA-8021	79.9				08/20/2014	DLC	1
C25 2X Dilution	NWTPH-DX	112				08/20/2014	EBS	l
Terphenyl-d14	EPA-8270 SIM	56.4				08/28/2014	GAP	1

U - Analyte analyzed for but not detected at level above reporting limit. Chromatogram indicates that it is likely that sample contains weathered diesel.

#### Page 22

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com



CLIENT:	Blue Mountain Environmental Consulting 1500 Adair Dr, Richland, WA 99352	DATE: ALS SDG#: WDOE ACCREDITATION:	8/28/2014 EV14080092 C601
CLIENT CONTACT: CLIENT PROJECT:	Peter Trabusiner E20140802		

#### LABORATORY BLANK RESULTS

### MB-081914S - Batch 85288 - Soil by EPA-8021

			REPORTING	DILUTION	ANALYSIS ANALYSIS			
ANALYTE	METHOD	RESULTS	LIMITS	FACTOR	UNITS	DATE	BY	
Benzene	EPA-8021	U	0.030	1	MG/KG	08/19/2014	DLC	I
Toluene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	I
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	08/19/2014	DLC	I
Xylenes	EPA-8021	U	0.20	1	MG/KG	08/19/2014	DLC	1

U - Analyte analyzed for but not detected at level above reporting limit.

#### MB-082014W - Batch 85313 - Water by EPA-8021

			REPORTING	DILUTION	ANALYSIS ANALYSIS			
ANALYTE	METHOD	RESULTS	LIMITS	FACTOR	UNITS	DATE	BY	
Benzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	I
Toluene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	I
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	08/20/2014	DLC	I
Xylenes	EPA-8021	U	3.0	1	ug/L	08/20/2014	DLC	I

U - Analyte analyzed for but not detected at level above reporting limit.

#### MB-082014S - Batch 85353 - Soil by NWTPH-DX

			REPORTING	DILUTION		ANALYSIS A	ANALYSIS	
ANALYTE	METHOD	RESULTS	LIMITS	FACTOR	UNITS	DATE	BY	
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	08/20/2014	EBS	I
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	08/20/2014	EBS	I

U - Analyte analyzed for but not detected at level above reporting limit.

#### MB-081914W - Batch 85293 - Water by NWTPH-DX

			REPORTING	DILUTION		ANALYSIS A	NALYSIS
ANALYTE	METHOD	RESULTS	LIMITS	FACTOR	UNITS	DATE	BY
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	08/19/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	08/19/2014	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

#### MB-081914W - Batch 85389 - Water by EPA-8270 SIM

			REPORTING	DILUTION	ANALYSIS ANALYSIS			
ANALYTE	METHOD	RESULTS	LIMITS	FACTOR	UNITS	DATE	BY	
Naphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I
Acenaphthylene	EPA-8270 SIM	U	0.030	1	ug/L	08/21/2014	GAP	I
Acenaphthene	EPA-8270 SIM	U	0.026	1	ug/L	08/21/2014	GAP	1

Page 23

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company



CLIENT: Blue Mountain Environmental Consulting 1500 Adair Dr, Richland, WA 99352 CLIENT CONTACT: Peter Trabusiner CLIENT PROJECT: E20140802		WDOE ACC	DATE: ALS SDG#: WDOE ACCREDITATION:					
		ABORATO	RY BLANK RESULT	ſS				
MB-081914W - Batc	h 85389 - Water by EPA-8	270 SIM						
Fluorene	EPA-8270 SIM	U	0.042	1	ug/L	08/21/2014	GAP	I
Phenanthrene	EPA-8270 SIM	U	0.022	1	ug/L	08/21/2014	GAP	I
Anthracene	EPA-8270 SIM	U	0.027	1	ug/L	08/21/2014	GAP	I
Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	,
Pyrene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I
Chrysene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.024	1	ug/L	08/21/2014	GAP	I
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	ug/L	08/21/2014	GAP	I

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Page 24



CLIENT:	Blue Mountain Environmental Consulting 1500 Adair Dr, Richland, WA 99352	DATE: ALS SDG#: WDOE ACCREDITATION:	8/28/2014 EV14080092 C601
CLIENT CONTACT: CLIENT PROJECT:	Peter Trabusiner E20140802		

#### LABORATORY CONTROL SAMPLE RESULTS

#### ALS Test Batch ID: 85288 - Soil by EPA-8021

					ANALYSIS	ANALYSIS
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	DATE	BY
Benzene - BS	EPA-8021	90.7			08/19/2014	DLC
Benzene - BSD	EPA-8021	93.2	3		08/19/2014	DLC
Toluene - BS	EPA-8021	92.8			08/19/2014	DLC
Toluene - BSD	EPA-8021	95.1	2		08/19/2014	DLC
Ethylbenzene - BS	EPA-8021	91.1			08/19/2014	DLC
Ethylbenzene - BSD	EPA-8021	93.5	3		08/19/2014	DLC
Xylenes - BS	EPA-8021	92.3			08/19/2014	DLC
Xylenes - BSD	EPA-8021	94.7	3		08/19/2014	DLC

#### ALS Test Batch ID: 85313 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	89.9			08/20/2014	DLC
Benzene - BSD	EPA-8021	90.0	0		08/20/2014	DLC
Toluene - BS	EPA-8021	91.0			08/20/2014	DLC
Toluene - BSD	EPA-8021	91.8	1		08/20/2014	DLC
Ethylbenzene - BS	EPA-8021	91.2			08/20/2014	DLC
Ethylbenzene - BSD	EPA-8021	91.5	0		08/20/2014	DLC
Xylenes - BS	EPA-8021	92.7			08/20/2014	DLC
Xylenes - BSD	EPA-8021	92.9	0		08/20/2014	DLC

#### ALS Test Batch ID: 85353 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	92.3			08/21/2014	EBS
TPH-Diesel Range - BSD	NWTPH-DX	91.5	1		08/20/2014	EBS

#### ALS Test Batch ID: 85293 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	BY
TPH-Diesel Range - BS	NWTPH-DX	81.9	NFD	QUAL	08/19/2014	EBS
TPH-Diesel Range - BSD	NWTPH-DX	89.1	8		08/19/2014	EBS

#### ALS Test Batch ID: 85389 - Water by EPA-8270 SIM

					ANALYSIS	ANALYSIS
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	DATE	BY
Naphthalene - BS	EPA-8270 SIM	77.8			08/21/2014	GAP

Page 25

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

RIGHT SOLUTIONS RIGHT PARTNER



CLIENT:	Blue
	Con
	150
	Rich
CLIENT CONTACT:	Pete

CLIENT PROJECT:

Blue Mountain Environmental nsulting 0 Adair Dr, hland, WA 99352 er Trabusiner E20140802

#### DATE: 8/28/2014 ALS SDG#: EV14080092 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND Naphthalene - BSD	METHOD EPA-8270 SIM	%REC 89.1	RPD 14	QUAL	ANALYSIS DATE 08/21/2014	ANALYSIS BY GAP
Acenaphthene - BS	EPA-8270 SIM	86.4	14		08/21/2014	GAP
Acenaphthene - BSD	EPA-8270 SIM	95.9	10		08/21/2014	GAP
Pyrene - BS	EPA-8270 SIM	82.7			08/21/2014	GAP
Pyrene - BSD	EPA-8270 SIM	97.2	16		08/21/2014	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	73.7			08/21/2014	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	76.0	3		08/21/2014	GAP

APPROVED BY

a

Laboratory Director

Page 26 ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626 ALS Laboratory Group A Campbell Brothers Limited Company

www.alsglobal.com

ALS Environmental R620 Holly Drive Suite 100	l Suite 100			Chain	in O	Of Custody/	stody	1				Ļ	ALS	ALS Job#	(Labo	(Laboratory Use Only)	e Only)	
Everett, WA 98208	08 -2600		Labo	rato	ry Ar	-aboratory Analysis Request	is B.	edue	est				RA'	290909071Y2	P 009	Z		<u> </u>
(ALS) Fax (425) 356 http://ww	Fax (425) 356-2626 http://www.alsglobal.com				-	,				Da	Date <u>8</u> /	(IS/	H Page			Ğ	m	7
PROJECT ID: E20140802		-		ANALYSIS		REQUESTED	Ω					0	OTHER	(Specify)	fy)			[]
REPORT TO BLE MUNICUT	ain Environmenta	$\leq$	لمثاليطام				hµo X:			₽Г [			NO MO	or Maria	bina			
	De arace						<del>J</del> TÉ	,		·I [		<u>₹</u> 28	<u>17 (</u>		90	J.		
1 3	14						1 1905 1 <del>- 097</del>			/8082 ri Pol [		ред []  ) ¶Г	<u>))))</u>	0'C		d		٤NO
	XX Sog.	627-5263					ζ					] 10/-11	S	1		۲L	Sł	ITIDITI
12014 / 0802	-MAIL: Ptrabus 1	& FRONTIER	FR.COM					(lios		\93 \0 		nes	2		mq		INE	COL
$V \downarrow$	и ¥ 22	8845						s) 0928				□ AC 2, 1	X	2	ž.w	Ç	ATNC	000
ATTENTION: CAROC					1208			8 A93					]-1	ane 724	Dø	20V	F CC	N G
ADDRESS:				-DX -HCID	/ EbY-8 -GX	y EPA- V bəts	DC py	Vd DC		NTCA-	) ther (S	1	Ha	100 90	TH	ন	о яз	AED I
	-			.НЧТУ	ЕХ Р <sup>у</sup>			B / E				<b>1</b> ,000			UF.	h	IBMU	CEI
SAMPLE I.D.		HPE (	LAB#					ED	98 C				-!				אר (י	ЗЫ
1-	VILIA UNA	ר	~	<			<										n	
2. HW-7CI5'		ທ	Ц	$\times$			$\times$	<u> </u>	<u>~</u>		-						3	
3. HW-666'	<b>Schi</b>	ഗ	3	$\geq$			$\times$		<u>ر</u> .								ε	
4. MW-608'	↓ 1455	S	ų	$\times$			$\times$		~								3	
5. MW-102'	0011 HI/a/8	ທ	-1	$\times$			$\times$	<u> </u>	ø.								3	
6. MW-1e5'	li 5	ເງ	9	Х			X	(	~								3	
7. MW-2e6'	050	S	7	X			$\times$		م								3	ļ
8. MW-2 eg	↓ 1500	ഗ	8	X			Х		~.								m	
9. MW-3@7.5'	B/14/14 OTHO	ທ	6	$\times$			×	•	ç.								m	-
10. MN-3010'	<ul> <li>↓</li> <li>○830</li> </ul>	ທ	QĮ	Х			Х		c.								m	
SPECIAL INSTRUCTIONS TES	f Soil fr	H (8270)	) if ¢	onli	jţ.	TPH-	DX ,	$\sim$	8	QQC	E	رم 1	-2	B	Dove 1	jar Jar	01	ل
						(eg	t point	000		222 1920	:							
SIGNATURES (Name, Compan 1. Relinquished By: DUMD	Company, Pate, Time): DUNUN DOLONDO B	BMEC 8/15,	15/14	154(	0	Λ ĝ	<u>ت ن</u> ت	Metals & I	TURNAROUNI & Inorganic Analysis	RNARC ic Anal	JUND I ysis	REQUE	STED	TURNAROUND REQUESTED in Business Days	OTHER:	*s	Į.	)
Received By:	relet.	E.	15/14	15;	40	-10 Standar	5	ဂ	2	-	SAME DAY	0)	pecify:		35		50	
		A. Pla	1/18/14		200	LL	Fuels & Hydrocar 5 3	∏ Adroc	ğ 🖃	Analysis	10	1	Ø,E	200	ofer	10101	<u>S</u>	
Received By:	10xx10xv1		(1/17	0	2		Standa	υ, ,				- *Tumaro	nd reques	t less than	standard r	may incur F	lush Che	sague

ALS Environmental 8620 Holly Drive, Suite 100	Chain Of	Of Custody/		ALS Job# (Lat	(Laboratory Use Only)	<b></b>
Everett, WA 98208 Phone (425) 356-2600	oratory An	ratory Analysis Request	st	EV14080092	1092	
(ALS) Fax (425) 356-2626 http://www.alsglobal.com			Date 3/15	/iy Page 2	of 3	1.
PROJECTIN. E2014 10802	ANALYSIS REQ	REQUESTED		OTHER (Specify)		
BHEC		njuo		)) = = 0 0		
P. TRABU		EX	AIR 072	99.		
1500			ין □ וים EPA-82	38) 200 E0 70 70		
RICHLAND, NA		- <del>0030</del>	ı yd (H/ 81/808 09 ing	AH Z'O'	тои. 104	
PHONE: 509-521-6531 FAX: 509-627-5263		y EPA Vater)	49) sno 108 A9	C NN P. N		
P.O. #: E2014 / OLO 2 E-MAIL: ptrabus 1 Ef row TIER LOM		(ios) (Iios) (Iios)	) by El 3 dy El 8-AR			
INVOICE TO COLONY INS.		8560 8560 mbon	BC PHAqua	D	LNO:	
ATTENTION:		olatii c Co EPA A93	shec cldes -5	m	<u>у6</u>	
ADDRESS:		y by y yrgani OC by	c Aror Pesti ACTA	1-	ରୀ ଚଧ୍ଚ	
	)-Hd. I-Hd.	\ ED \ ED file O deus	cyclic M-sle	ny 14 10 - 5		
SAMPLE I.D. DATE TIME TYPE LAB#	LMN LMN	EDB Volai	Meta Meta PCB			
1. MW-Se 6.5' 8/4/14 1005 5 11	X			Ł	M	
VENI	×	· · · · · · · · · · · · · · · · · · ·			3	
MW-407' 1430	>	<			2	
	~	~· ×				P
	· · · · · · · · · · · · · · · · · · ·					Pearland
						-
0						
10.						
SPECIAL INSTRUCTIONS TEST SOIL for PAH (8270), i	if tonly if	- TPH- Dy is	cquertoor Han	, 2,000 ppir	+500	
	wo *				S.	dy
1. Relinquished By: Drowy Douglow DMEC 8/15	5/14 1540	IURNARUUN Organic, Metals & Inorganic Analysis	I UKNAKUUNU KEU organic Analysis		TAT MAT	4
Received By: 121-0-6-0- 01/15	114 152	~		Hor all San	noles, but	1 1
W C/ C/ Pro Le	05:11 111			Diease not	e' holding	1
Received By: MILLIN NOVADA HU 1/17/17	10/20	Szindard	*Tun	han	standard may incur Rush Charges	1 0

			*Turnaround request less than standard may incur Rush Charges
Standard	Fuels & Hydrocarbon Analysis	Standard 3 1 David	
8/13/14 15/40	2112/14 112 30	AU 8/19/14 10,40	
I Wader	BV: The fame	Shown Reducedon	

Received By: Relinquished

сi

RECEIVED IN GOOD CONDITION? (Laboratory Use Only) -± -+ =+ -= t NUMBER OF CONTRINERS M EV1408092 Specify: Standard ď hX TURNAROUND REQUESTED in Business Days' Sam Ň CICK Fork 50 Ωر NOU **OTHER** (Specify) Μ JC anar Q. ALS Job# 20 Z SPIRE C ശ 8-15-14 Page त्रवेत 20 QU බ Pest 🗌 Herbs 🗌 Cemi-Vol L CLP-Metals **NOA** Metals Other (Specify) Organic, Metals & Inorganic Analysis SAME Date 🗆 JAT Pri Pol 🗌 □ 8-AFOF C-AOTM-elsiseM <u>-</u> □ by EPA 8081/8082 PCB 🗌 Pesticides  $\bigotimes$  $\otimes$ 0 Z Ø MIS 0758-A99 Vd (HA9) snorsorby H Jismora Silvyyyo Laboratory Analysis Request  $\overline{\mathbf{a}}$ 5 0758 A93 vd abnuoqmoO oinsgrO olitslovimoS Ĉ 5 ¢. EDB / EDC by EPA 8260 (soil) Ŏ Chain Of Custody/ LC. EDB / EDC by EPA 8260 SIM (water) Volatile Organic Compounds by EPA 8260 290 ANALYSIS REQUESTED C h140 0828 AGE volatiles by EPA 8260 MTBE by EPA-8021 🗆 EPA-8260 🗆 ALLA FTEX by EPA-8021 540 XD-H9TWN XO-H9TWN Z **MTPH-HCID** strabes 18 from ther corn LAB# 20 Ser. 5 ٩ 2 3 FAX: 509-627-5263 JULIUR BMEC TYPE 3 Z 3 Z 3 3 3 <u>S</u> S S S S S 1225 530 1120 0130 1435 1 020 TIME ODOR 99352 Everett, WA 98208 Phone (425) 356-2600 Fax (425) 356-2626 http://www.alsglobal.com Time): 8//S/N 4. IRABUSINER DR 8620 Holly Drive, Suite 100 DATE E-MAIL: JN/ J J BHEC (CO, INC. \$ 0802 1500 AJAIR SIGNATURES (Name Company 5/4 ヹ ユ AR01 Ξ 5 SNOTO 8/15/ WW-5-8/15 8/F) RICHCAND, PHONE: 509-521-653 (5) SPECIAL INSTRUCTIONS EZON ~h-81 SAMPLE I.D. ŧ 00 1 1. Relinquished By: \_ ł 1 Received By: ١ PROJECT ID: REPORT TO COMPANY: INVOICE TO COMPANY: ZZ PROJECT MANAGER: 3 ן ל ATTENTION: Z ADDRESS: ADDRESS: PO.# ç. ര് сi က် 4 പ് 7 ထံ <u></u>о

ALS EDVIPONMENTAL

### **APPENDIX H**

F kur quen'Nqcf "Vkengvu

#### 71482 Nº

	ANDE	RS	ON	LC	DAD	TICKET		N⁰	71482
	ROCK & DEN	IOLITIO	N PITS					41 F Yaki	Rocky Top Road ma, WA 98908
	Petroleum Contar			opsoil - Sh	ale - Cr	ryshed Roo	Bus. (509) 965 ck	-3621 • Fax www.and	509) 965-8656 ersonrock.com
	We make deliver risk only and acc damages resulting	cept no respo	curb line at cus onsibility whatso		Nam Addr	000	e mo	unter	K. Env
	Received by						Gena	1520	0000
	8414	Sold by			_ Phor	ne	Home Office	1500	-1820
	A. Cured concrete B. Asphaltic mate (does not inclu roofing) C. Brick and maso D. Ceramic mater	rials ide onry	E. Glass F. Stainless G. Aluminu H. Lime I. Dirt Rock J. Bldg. Der	um :	<u>P.O.</u>	Hou	& Heave	nHills	Trave
	WEIGHT TICKET #	TIME	TRUCK NO.	QUAN	-		PRODUCT	UNIT	AMOUNT
11	87122	2:41	1/20	22	Un	Cm	norete	PRICE	
ii	87/03	hur	2500	22	13	Tay	vitata	,	
	18108	Rini	3-ANOV	35	35		A DECES		
1	181/05	8.12	ADVA IN	21	76	T	- mo		
- 1	tores	2.0	5	- an	-14	P	line		
-			6	121	94				
			7	lat	-+				
			8						
			9						
			10			-			
-			11						
			12					-	
			TOTAL						

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT	OF COUNTY?
DY	ES INO
OU	T OF CITY?
	ES INO

Petroleum Contam	OLITION MA, WASI		psoil - Sh	ale - Crus				09) 965-8656 rsonrock.com
We make deliverie risk only and acce damages resulting	pt no respons	irb line at cust ibility whatsoe		Name Address	Bluen	lount	aer	Env
Received by	_		_		1.07.1		Pt	0.1
\$ 15/14	Sold by			_ Phone	Home Office/5	20)52	2-98	30
A. Cured concrete B. Asphaltic mater	ials	E. Glass F. Stainless	Steel	P.O. #	-0	ery equ		
(does not incluc roofing) C. Brick and masor D. Ceramic materia	nry	G. Aluminu H. Lime I. Dirt Rock J. Bldg. Den		Job #		EAVEN	HI	115
WEIGHT TICKET #	TIME	TRUCK NO.	QUAN	Hauled	PRODUC	т	UNIT	AMOUNT
18807	11:20 1	Leap	30	94	Dem	0		A:
12815	12752	300	24	04	Pleis			
18826	2:22	581	34.	67	amo	>		
18828	2:33 4	m	32,	83	Dem	0		
8830	2:57 5	GAP	34	26	Dem	D		
18835	5:52 6	MP	34.	54	Dem	2		
18836	6:31 7	DAL	33	39	Demo			
	8		2011					
	9	4	XXY	101				
	10					1		
	1							
	1	2						

DATE BILLED

1

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION. OUT OF COUNTY? YES NO OUT OF CITY? YES NO 11

ROCK & DEMOLIT	WASH.		Bus. (509) 965	-3621 • Fax (5	09) 965
Petroleum Contaminate	d Soils Site - Topsoi	l - Shale - Ci	rushed Rock	www.ander	
We make deliveries inside	VERIES the curb line at customer's esponsibility whatsoever for ch deliveries.		~ tott	I. EAL	U.
Received by		-	(005)	1.00	110
Date Ol Col / 11 Sold	by	Phor	ne (Huner) 200	0517	Ke
A. Cured concrete B. Asphaltic materials (does not include roofing) C. Brick and masonry	E. Glass F. Stainless Steel G. Aluminum H. Lime I. Dirt Rock	<u>P.O.</u> Job ‡	1/ 1/	ien Hi	The second
D. Ceramic materials	J. Bldg. Demolitic	on Haul	ed by		
WEIGHT TICKET # TIN	AE TRUCK Q	UANTITY	PRODUCT	UNIT PRICE	AMOL
118837 6:0	1 Murph 3.	2.52	Demo		
118838 6:4	0 2 99+P 3	5.06	Demo		
18840 6:44	1 3 307 13	3.83	Denno		
18839 6:41	6 4772p 32	2.88	Demo		
18841 7:01	5 Fran 2	5.11	Demo		
18842 72	6302 19	1.02	Ruc		
18844 7:2	13892	0.21	flue		
118849 75	\$ 20 a	0.05	Iller		
112851 82	LOHP 3	191	Bleve		
118823 6:	10 Mur 3	0.95	Dere		
112855 8:4	PI OHD 3	0.05	Dere		
118801 43	123012	1.35	ller		
	2	21/0	5		
	1	2 Jul			

or contract

)

.



- 1 F

LOAD TICKET

## Nº 71527

41 Rocky Top Road Yakima, WA 98908

rik only and accept no responsibility whatsoever for damages resulting from such deliveries.       Address         Received by       Pole       Pole       Pole       Pole         Date 5 11 9 Sold by         A. Cured concrete       E. Glass       F. Stainless Steel       G. Aluminum       Pole       Hom(509) 520 - 983.0         B. Asphaltic materials       E. Glass       F. Stainless Steel       G. Aluminum       Hume       Pole       Hom(509) 520 - 983.0         Office       Pole       Hom(509) 520 - 983.0       Office       Pole       Hom(509) 520 - 983.0         B. Asphaltic materials       E. Glass       F. Stainless Steel       G. Aluminum       Home       Home       Home       Pole         D. Ceramic materials       I. Dirt Rock       Quantity       ProDuct       UNIT       Amoun         B. TG 9       5.3       1       /       33.30       Concrete       Concrete         STAG 9       5.3       1       /       33.30       Concrete       Moun         B. TG 9       5.3       1       /       33.30       Concrete       Moun         B. TG 9       5.33       15.07       Demo       Moun       Stain 9		DELIVERIES les inside the curb line at		Name	Blue Mt	N. ENU.
Received byDate 15 11 y Sold byA. Cured concrete B. Asphaltic materials (does not include roofing)E. Glass 			tsoever for	Addre	SS	
Date       Home       Home       Home       Sold by         A. Cured concrete       B. Asphaltic materials       E. Glass $5.53 \text{ concrete}$ $6.8 \text{ concrete}$ $6.8 \text{ concrete}$ $6.8 \text{ concrete}$ $7.5 \text{ concrete}$ $9.0.\%$ C. Brick and masony       D. Bldg. Demolition $1.0 \text{ lift Rock}$ $1.0 \text{ lift Rock}$ $1.0 \text{ lift Rock}$ $1.0 \text{ lift Rock}$ D. Ceramic materials $1.0 \text{ lift Rock}$ $1.0 \text{ lift Rock}$ $1.0 \text{ lift Rock}$ $1.0 \text{ lift Rock}$ WEIGHT TICKET #       TIME       TRUCK       QUANTITY       PRODUCT       UNIT         8.769 $5.53$ $1.73330$ Concrete $8.710$ $1.0 \text{ lift Rock}$ 8.710 $7.09^2$ $2.0427.05$ $9.0000$ $9.00000$ $9.0000000000$ 8.710 $7.09^2$ $2.0427.05$ $9.000000000000000000000000000000000000$				_		Peter
Date 15 11 4 Sold by B 15 11 4 Sold by A. Cured concrete B. Asphaltic materials (does not include roofing) C. Brick and masonry D. Ceramic materials C. Brick and masonry D. Ceramic materials D. Diffice P.O. # Job # Horece Heaven If III 5 Hauled by WEIGHT TICKET # TIME TRUCK QUANTITY PRODUCT D. Concrete STO TO TO TO TO TO TO TO TO TO	Received by			Phone	Home 509)	520-9831
A. Cured concrete B. Asphaltic materials (does not include roofing) C. Brick and masony D. Ceramic materials (D. H. Lime I. Dirt Rock J. Bidg. Demolition WEIGHT TICKET # TIME TRUCK NO. QUANTITY PRODUCT UNIT BTGG 5:53 1 / 3330 Concrete STIO 7:09 2DUA 27.05 VLLS STID 7:09 2DUA 27.05 VLLS STID 7:09 2DUA 27.05 VLLS STID 7:09 2DUA 27.05 VLLS STID 7:04 2DUA 27.05 VLLS STID 7:05 8LOW 32.57 VLLS STID 7:05 8LOW 22.43 VLLS STID 7:05 8LOW 22.43 VLLS STID 7:04 0:21 110232 16.85 VLLS STID 7:04 0:21 110232 16.85 VLLS STIG 0:20 20 20 20 20 00 STIG 0:20 20 20 20 20 00 STIG 0:20 20 20 20 20 20 20 20 20 20 20 20 20 2	B15 114	Sold by				
(does not include roofing)       G. Aluminum H. Lime D. Berick and masonry       G. Aluminum H. Lime J. Bildg. Demolition       Image: Aluminum H. Lime J. Bildg. Demolition         WEIGHT TICKET #       TIME       TRUCK NO.       QUANTITY       PRODUCT       UNIT PRICE       AMOUN         8769       5:53       1       33:30       Concrete       AMOUN         87769       5:53       1       33:30       Concrete         8710       7:09       20wn 27:05       Quas         8712       7:09       20wn 27:05       Quas         8714       5:313       15:07       Quas         87780       8:44       5:49       32:89       Demo         8797       10:58       8:00m       20:43       Demo         8705       11:11       5:40       33:57       Demo         8704       10:31       11:03:53       16:85       Demo         8704       0:32       14:66       Demo       314:35      <	A. Cured concrete		n. 1 (			
D. Ceramic materials J. Bldg. Demolition Hauled by WEIGHT TICKET # TIME TRUCK QUANTITY PRODUCT UNIT 8769 5:53 1 / 3330 Concrete 8770 7:09 2000 27.05 1200 8770 7:09 2000 27.05 1200 8770 7:09 2000 27.05 1200 8770 7:09 2000 27.05 1200 8770 7:00 2000 27.05 1200 8770 8:34 ° 000 32.89 Demo 8784 8:39 7 / 32,99 Demo 8784 8:39 7 / 32,99 Demo 8784 8:39 7 / 32,99 Demo 8797 10:53 8000 22.43 Demo 8797 10:53 8000 22.43 Demo 8794 10:21 11038 16,85 Demo 8794 10:21 11038 16,85 Demo 8794 10:21 11038 16,85 Demo 8796 0:24 12 357 14:06 Demo 8796 0:24 12 357 14:06 Demo	(does not inclu	ide G. Alum		P.O. #		. 1. 17
Hauled by         WEIGHT TICKET # TIME       TRUCK       QUANTITY       PRODUCT       UNIT       AMOUN         8.769       5:53       1       1       3330       Concrete       1       3370       Concrete         8.769       5:53       1       /       3330       Concrete       1       1       3370       Concrete         8.769       5:53       1       /       330       20       0			ock	Job #	Horse Her	quen Hills
Weight Helet #       Hole       No.       QUANTITY       PRODUCT       PRICE       ANDOR         8.769       5:53       1       1       3330       Concrete       8         8.710       7:09       2       Run 27:05       Runs       8       8       8       10       1:09       2       Run 27:05       Runs       8       8       10       1:09       2       Run 27:05       Runs       8       8       10       1:09       2       Run 27:05       Runs       8       10       8       10       1:09       2       Run 27:05       Runs       8       10       109       2       Run 27:05       Runs       8       10       109       2       Run 27:05       Runs       8       10       100       8       10       100       8       10       100       8       10       100	D. Ceramic mater	ials J. Bldg. I	Demolition	Haule	d by	
8770 7:09 2 Dun 27:05 1 Ques 8772 730 3 307 23:13 Dues 8774 7:46 4 541 28:01 Ques 8775 7:48 5 363 15:07 Ques 87784 8:39 7 1 32:99 Demo 8784 8:39 7 1 32:99 Demo 8784 8:39 7 1 32:99 Demo 8784 8:39 7 1 32:99 Demo 8797 10:58 & Down 20:43 Demo 8797 10:58 & Down 20:43 Demo 8796 11:38 <sup>20</sup> Mur 33:16 Demo 8794 10:21 <sup>21</sup> 2:35 16:85 Demo 8796 0:26 <sup>22</sup> :35 14:66 Demo 314:31	WEIGHT TICKET #	TIME TRUC	K QUAN	TITY	PRODUCT	UNIT PRICE AMOUNT
8770 7:19 2 Dun 27.05 Rus 8772 730 330723.13 Dus 8774 7:40 4 541 28.01 Rus 8775 7:48 5393 15.67 Rus 8780 8:34 6 2000 32.89 Demo 8784 8:39 7 1 32.99 Demo 8797 10:58 8000 22.43 Demo 8797 10:58 8000 22.43 Demo 8797 10:58 8000 22.43 Demo 8794 10:21 21:35 16.85 Demo 8796 10:26 25 14:66 Demo 314.31	8769	5:53 1 /	333	30	Concrete	
8794 10:21 12 200 14:66 Demo 8794 10:21 12 200 14:66 Demo 8796 10:26 12 200 14:66 Demo 314:31	8170	7:19 2 DAL	127.0	05	Pup	
8794 10:21 22 307 14.66 Demo 8796 10:26 22 307 14.66 Demo 314.31	8772	730 325	1231	2	Dia	
8794 10:21 12 252 14.66 Demo 8796 122 207 14.66 Demo 314.31	8774	TILKA 5	ap 70	101	Die	
8794 10:21 12 252 14.66 Demo 8796 122 207 14.66 Demo 314.31	shie .	210576	2 101	9	Jeno	
8794 10:21 12 252 14.66 Demo 8796 122 207 14.66 Demo 314.31	2 min	2544 5400	0200	6	Tero	
8794 10:21 12 252 14.66 Demo 8796 122 207 14.66 Demo 314.31	0180	Did4	1 Ja-		Demo	
8794 10:21 12 252 14.66 Demo 8796 122 207 14.66 Demo 314.31	0.184	0:31 1	Sai	19	Demo	
314.31 Jemo	8,797	10:58 8 DOWN	1 22.	43	Demo	
314.31 Jemo	0805	11:11 3580	33.	57	Veno	
314.31 314.31	8810	11:38 10 Mut	1 33.	16	Demo	
314.31 Jemo	8794	10:21 11238	2 16,	85	Demo	
314.31	8796	10:26 12 Rus	14	66	Domo	
314.31 TOTAL	- 17	and a			·	
TOTAL			214	31		
		тота	01	21.		
	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.			-1-	·	
CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5%				and the second second	PAID WITHIN 10 DAYS OF	OUT OF CITY?

DELIV		opsoil - Shale - C	BILLO MU	www.andersonrock.co
We make deliveries inside t risk only and accept no res damages resulting from such	ponsibility whatsoe	ever for	ress	ionaun an
Received by	v	Pho	ne (Fair)50	0-6519 Ker
A. Cured concrete	E. Glass		(mgen)50	20-4530 pet
<ul> <li>B. Asphaltic materials (does not include roofing)</li> <li>C. Brick and masonry</li> <li>D. Ceramic materials</li> </ul>	F. Stainless G. Aluminu H. Lime I. Dirt Rock J. Bldg. Der	im <u>Job</u>	# Horse Have	nHills
WEIGHT TICKET # TIM	TRUCK	QUANTITY	PRODUCT	UNIT PRICE AMOUNT
118863955	1302	15.88	Dere	
11 2864 41.8	02940	33.33	gen	
1.201 10:11	3381	17.81	liere	
10000 10.15	75 200	20.70	Plere	4
112275 11'0	1º 200	16.85	David	4
1100101111	7 000	10:05	- Denie	
	8	141.92		
	9		-	TA
	10			
	11			mona
	12			

DATE BILLED



CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.





LOAD TICKET

### № 71570

41 Rocky Top Road Yakima, WA 98908

OUT OF CITY?

Bus. (509) 965-3621 • Fax (509) 965-8656 Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock www.andersonrock.com DELIVERIES Name We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for Address damages resulting from such deliveries. Received by Phone 4 SOM Ho Date Sold by E. Glass A. Cured concrete B. Asphaltic materials F. Stainless Steel P.O. # (does not include G. Aluminum roofing) H. Lime Job # C. Brick and masonry I. Dirt Rock D. Ceramic materials J. Bldg. Demolition Hauled by TRUCK UNIT WEIGHT TICKET # QUANTITY TIME PRODUCT AMOUNT NO. PRICE An a 8 ACTE 10 murph TOTAL DATE BILLED OUT OF COUNTY? YES NO

.

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

ROCK & DEMOL			Bus. (509) 965	Yakima, WA 9890 -3621 • Fax (509) 965-865
Petroleum Contamina DE We make deliveries ins risk only and accept n damages resulting from	LIVERIES side the curb line at	ustomer's <u>Na</u>	Crushed Rock ame Blue Mori ddress	www.andersonrock.cor
Received by	old by	Pł	none <u>Home(509)</u>	520-6519 Ke
A. Cured concrete B. Asphaltic materials (does not include roofing) C. Brick and masonry D. Ceramic materials	E. Glass F. Stainles G. Alumin H. Lime I. Dirt Roc J. Bldg. De	um <u>ro</u> k <u>Jo</u>	D.# PC	S AVEN HIL
WEIGHT TICKET #	TIME TRUCK	QUANTITY	PRODUCT	UNIT PRICE AMOUNT
8908 3	48 1 99	on 34.8	O PCS	1 - A
8911 4	:46 2 ACET	on 33.4	9 PCS	
8913 5	ell 3 ming	30,73	PC5	
8914 5	31 498 P	32.35	PCS	
	5 .	1212	1	
	6	131.5	Tipyort	
	8		THXED	<u>.</u>
	9			
	10			
	11			

DATE BILLED

PER MONTH INVOICE, AN

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY? YES NO OUT OF CITY? YES NO

emo Ticket LOAD TICKET Nº 71488 41 Rocky Top Road Yakima, WA 98908 BOCK & DEMOLITION PITS YAKIMA, WASH. Bus. (509) 965-3621 • Fax (509) 965-8656 www.andersonrock.com Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock DELIVERIES Name We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries. Address Received by Phone Home Date Sold by Offic A. Cured concrete E. Glass B. Asphaltic materials F. Stainless Steel P.O. # (does not include G. Aluminum roofing) H. Lime Job # I. Dirt Rock C. Brick and masonry D. Ceramic materials J. Bldg. Demolition Hauled by UNIT WEIGHT TICKET # QUANTITY TIME PRODUCT AMOUNT PRICE Ó ino 11:552 Docaring 6 Damo 3 4 5 6 7 8 9 10 11 12 TOTAL

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY? YES NO OUT OF CITY? VES NO



. 3

### LOAD TICKET

### № 71581

41 Rocky Top Road Yakima, WA 98908

risk only and acce	DELIVERIES es inside the curb line at ept no responsibility wha from such deliveries.		Name Addre		I. EN	10.
Received by	Cald by		Phone	e Home 509)	520-6	519 Ker
817114	f Sold by			Office 509	120-92	30 Peter
A. Cured concrete B. Asphaltic mater (does not inclue roofing) C. Brick and maso D. Ceramic materi	rials F. Stainl de G. Alum H. Lime nry I. Dirt Ro	ess Steel inum	P.O. #	Horse Have	3 n Hil	1/3
WEIGHT TICKET #	TIME TRUC		Haule	ed by PRODUCT	UNIT	AMOUNT
18915	5:59 1 994	335	54	PCS	i i i i i i i i i i i i i i i i i i i	
19916	1. 211	33	41	Pre		
18917	1.1200	271	12	PCS		
18919	6:15 40015	179 3	33	PCS		
13976	7:55 5 Ent	27	10	PCS	ť	
19.979	8:03 6940	31.0	9	PCS		
18 924	1001 71	111	11	DA G		
12020	Dijin snun		20	De G		
12012	Pipo PACto	Shi	20	POS	-	
07.20 0	1.52 99	5 000	21	1°CS Dal	-	
0443 4	110 11ACE	p ali	25	PCS		
10444 9	12 779	ap 33.	90	105		
18463 10	1.44 1264	32.	34	pco		
		315	81			
		-		T	A	
	TOTA	L				

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.



LOAD TICKET Nº 71487 41 Rocky Top Road Yakima, WA 98908 BOCK & DEMOLITION PITS YAKIMA, WASH. Bus. (509) 965-3621 • Fax (509) 965-8656 Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock www.andersonrock.com DELIVERIES Name We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for Address damages resulting from such deliveries. Received by Phone Hor Da Sold by E. Glass A. Cured concrete B. Asphaltic materials F. Stainless Steel P.O. # (does not include G. Aluminum roofing) H. Lime Job # C. Brick and masonry I. Dirt Rock D. Ceramic materials J. Bldg. Demolition Hauled by TRUCK UNIT WEIGHT TICKET # TIME QUANTITY PRODUCT AMOUNT NO. PRICE 05 6 TOTAL

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY? YES NO OUT OF CITY? VES NO

	OLITIO	N PITS			D. (500) 000	Yakir	ocky Top Ro ma, WA 989
Petroleum Contam We make deliverie risk only and acco damages resulting	DELIVER of the spin of response	oils Site - To IES curb line at cust nsibility whatsoe	omer's	e - Crushed Name Address	Bus. (509) 965. Rock		ENU
Received by	Sold by	E. Glass		Phone	Home 509) 53	30-651 20-983	19 Kar 19 Beter
B. Asphaltic mater (does not includ roofing) C. Brick and maso D. Ceramic materi	de nry	F. Stainless G. Aluminu H. Lime I. Dirt Rock J. Bldg. Den	m	P.O. # Job # Hauled by			
WEIGHT TICKET #	TIME	TRUCK NO.	QUANTI	ТҮ	PRODUCT	UNIT PRICE	AMOUNT
19018	2:59	17-23	33	98	PCS		
19019	3:00	2774P	35,0	25	PCS	4	
19023	3:42	3 Endu	p 19.6	0	PC 5	K	
19027	4:21	4 69P	3.7	8	PCS	1	
19028	4:22	594P	3210	U	PCS	Ľ	
4030	5116	6 Migsph	32,3	57	PCD	-	
		7	184	.99 -			
		8					
		9		_			
	(	10					
		12					
				_			
		TOTAL					

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY? YES NO OUT OF CITY? YES NO

We make deliveries	nated Soils Site - To	nsoil - Shale - (		55-3621 • Fax (509) 965-8656
damages resulting fro	DELIVERIES inside the curb line at cust t no responsibility whatsoe om such deliveries.	tomer's Nativer for	Rhan MI	www.andersonrock.com
Received by		Pho	one Home 509	-520-6519 Ke
Bate 1 114	Sold by		Office 509	-520-9830 1
A. Cured concrete B. Asphaltic materia (does not include roofing) C. Brick and masonr D. Ceramic material	G. Aluminu H. Lime Y I. Dirt Rock	m <u>Job</u>	0	VEN HELLS MO
WEIGHT TICKET #	TIME TRUCK NO.	QUANTITY	PRODUCT	UNIT PRICE AMOUNT
119034	6:19 -1-21	23,02	Berne	)
119043	7:11 Bowning	24.56	Deno	
119062 9	7:39 37-210	22.61	Demo	
119069	0:12 47-22	32.19	Diamo	
19070	0:13 7-25	30.07	Dome	
19071 10	13 6VUY55	24:72	Denie	D
19077 10	135 Down	23.10	Denio	
19078 10	41 39AP	32.40	Demo	
19079 101	43 Down	32.64	Deme	)
119080 10	:44 10 hurph	M 3/069	Donce	D
119092 12	20 11 Action	18,60	Demo	
119097 12	48 127-21	24.51	Demo	( )
		320.17		
			-	TH

1

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.



We make deliveries in: risk only and accept r damages resulting from	LIVERIES side the curb line at cu to responsibility whatso	stomer's Na	ame Due M	www.ande	ersonrock.co
Received by			ddress	Mul	and
A. Cured concrete B. Asphaltic materials (does not include roofing) C. Brick and masonry D. Ceramic materials	E. Glass F. Stainless G. Aluminu H. Lime I. Dirt Rock J. Bldg. Dei	Steel P.C	hone <u>Home <math>509</math></u> <u>office <math>509</math></u> <u>office <math>509</math></u> <u>b</u> # Dem b # Det Se Ha	520-0 520-9 D WIN	10519 H 830 K
WEIGHT TICKET #	TIME TRUCK	QUANTITY	PRODUCT	UNIT	AMOUNT
19106 11	3/2 2/08D	p 22.76	Bomo Domo		
19115 11	41 3metral	# 31.14	Demo		
19129 5.	49 5 End	25.40	Demo	2	
19141 5	16 °KC	31.53	Demo		
	8	17220	2		
	9				
	10			_	
	12				

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNT	Y?
YES NO	
OUT OF CITY?	÷
VES NO	

LOAD TICKET

NDERSON

# № 71492

41	Rocky	Тор	Road
	ima, \		

We make deliverie risk only and acce damages resulting	pt no respon	curb line at cust sibility whatsoe		Name Address	Lue Mou	ntaine
Received by				Phone	Home 509-)	520-16519 Ken
Bate 18 1/4	Sold by	1.0			offige 97915	20-9830 Rete
A. Cured concrete B. Asphaltic mater (does not inclue roofing) C. Brick and maso D. Ceramic materi	ials de nry	E. Glass F. Stainless G. Aluminu H. Lime I. Dirt Rock J. Bldg. Den	m	P.O. # Job # HC Hauled by	PCS DRSE HAV	S IEN HJULS
WEIGHT TICKET #	TIME	TRUCK NO.	QUANT		PRODUCT	UNIT PRICE AMOUNT
119041 119032 119032 119033 119035 119037 119037 119042 119042 119063	6:50 6:14 1:17 1:20 6:22 1:15 7:10 9:21 9:21	474P 5774P 5774P 57-23 77-20 1-20 1074p 1074p 1074p 1074p 127-33	34. 34. 33. 36. 36. 36. 36. 36. 33. 36. 36. 36	04 01 14 97 93 21 35 ,32 .97 .38	PCS PCS PCS PCS PCS PCS PCS PCS PCS	
		TOTAL				

INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

ERSON DEMOLITION DITE 0

4

LOAD TICKET

### Nº 71615

41 Rocky Top Road Yakima, WA 98908

risk only and ac	DELIVERIES We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.				Lue 11/0	unte	in
Received by Bate / 8 / // A. Cured concret B. Asphaltic mate (does not inclu- roofing)	erials F. S ude G.	Glass Stainless S Aluminun Líme		Phone P.O. # $\mathcal{H}_{Job}$	Home 5095 Office	520-6 2ent	519 Ke (115
C. Brick and mas D. Ceramic mate		Dirt Rock Bldg. Dem	olition	Hauled by	100		
WEIGHT TICKET #	TIME	RUCK	QUANTI	TY	PRODUCT	UNIT	AMOUNT
1190105	9:452	-27	32.1	19	PCS		
19046	7:42 24	1.20	33	22	PAS		
190712	10(2) 3A	-LOP	320	19	PAS	-	
19085	11:21 4	-20	301	n	Pas		
19192	124/95	107	224	1	Dag		
19101	111 6	-92	27%	()	00.5		
19/12	181-7 7-	EDE	205	12	Prs	*	
19103	1:01 8	2455	29.1	1/2	Pro		
119105	1:25 9/	194.D	21.4	is	Pas	- C	
119100	12152 10-	1-22	224	ul	pra		
119/13	1:22 116	ACE	33.	22	PCS	s	
11911/2	2:07 12-	100	34	36	PAG		
		0.0	387.9	7	100	<u> </u>	
		TOTAL					

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

LOAD TICKET № 71618 41 Rocky Top Road Yakima, WA 98908 & DEMOLITION PITS YAKIMA, WASH. Bus. (509) 965-3621 • Fax (509) 965-8656 www.andersonrock.com Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock DELIVERIES Names We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries. Address Received by 20-6519 .0 Phone Home Sold by Date Office A. Cured concrete E. Glass B. Asphaltic materials F. Stainless Steel P.O. # (does not include G. Aluminum roofing) H. Lime Job # C. Brick and masonry I. Dirt Rock D. Ceramic materials J. Bldg. Demolition Hauled by TRUCK UNIT WEIGHT TICKET # TIME QUANTITY PRODUCT AMOUNT NO. PRICE 8 1 11 12 TOTAL

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY? YES NO OUT OF CITY? VES NO

### Yancy Meyer

From:	Anderson Rock Email < andersonrock1@live.com>
Sent:	Monday, September 1, 2014 11:18 AM
То:	ted.silvestri@co.yakima.wa.us; Yancy Meyer
Subject:	additional PCS for Horse Haven Hills

Ted – Here is a correction to the Horse Haven Hills PCS job that I previously reported tonnage for.

Another small load came in Friday when I was out of the office.

an additional 3.39 tons was dumped making the grand total 2489.53 tons.

If anymore is to come in we have requested that it go thru you for approval as we thought we had received it all.

Thank you and sorry for the inconvenience.

-Wendy Anderson Rock