UNDERGROUND STORAGE TANK SYSTEMS REMOVAL, ABOVEGROUND USED OIL STORAGE TANK REMOVAL AND ASSOCIATED REMEDIAL/CORRECTIVE ACTIONS REPORT

NOVEMBER 25, 2016

FORMER FLINTSTONE FUEL SITE 2840-C BLACK LAKE BOULEVARD SW TUMWATER, WASHINGTON

Prepared By

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Stemen Environmental, Inc.

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Telephone 360-438-9521 Fax 360-412-1225

November 25, 2016

Mr. John Meek Meek Logging Olympia, Washington

Dear Mr. Meek:

RE: UNDERGROUND STORAGE TANK SYTEMS REMOVAL, ABOVEGROUND USED OIL STORAGE TANK REMOVAL AND ASSOCIATED REMEDIAL/CORRECTIVE ACTIONS REPORT FOR FORMER FLINSTONE FUEL SITE LOCATED AT 2840 - C BLACK LAKE BOULEVARD SW, TUMWATER, WASHINGTON.

1.0 SITE CHARACTERISTICS AND BACKGROUND

The UST site consists of approximately .90 acres (39,064 sq. ft.) of commercially developed property located at 2830 C Black Lake Boulevard, Tumwater, Washington and on Tax Parcel #12829130202,

The subject site, Tax Parcel #12829130202, is located on the western side of Black Lake Boulevard SW. The UST site is immediately surrounded by properties that have been used for commercial gravel mining purposes for many years.

The center of the subject site is located at Longitude 122.957, Latitude 47.024, and within section 29, township 18 north, range 2 west.

The subject site is located in an area primarily occupied by commercial/industrial/mining properties, and various commercial businesses/facilities.

A commercial card lock type vehicle fueling station occupies the majority of this property.

The site is listed by the Washington State Department of Ecology as UST Site ID #97733 and Facility Site ID #79995945. The status of the UST Site is listed as Temporarily Closed.

The known underground storage tanks (USTs), that serviced this site in previous years, and that were buried on the site, at the beginning of these on-site activities, three (3) approximately 10,000 gallon capacity underground diesel fuel storage tanks, one (1) approximately10,000 gallon capacity unleaded gasoline underground storage tank, and two (2) approximately 8,000 gallon capacity lube oil (motor oil) underground storage tanks.

The USTs were buried along the southern perimeter of the vehicle fueling station site. Available information indicates the steel USTs were installed in June of 1987.

The vehicle fueling facility was serviced by three (3) pump islands that were located directly north of the USTs. The pump islands were surround by concrete driveways/slabs and were covered by a 42 ft. by 40 ft. metal canopy. The canopy was constructed in 1987.

All residual liquids were removed from the USTs and some of the tanks were cleaned at the time they were placed "out of service" in recent years. A Temporary Closure Notice was filed with Ecology.

During a pre-tank removal inspection, it was discovered that all of the USTs contained various residual quantities of water. It appears the fill cap was not properly secured on one (1) of the 8,000 gallon capacity tanks and the tank became substantially filled with storm water.

All residual quantities of water were pump/removed from the tanks and were then cleaned by Marine Vacuum Services and/or Cowlitz Clean Sweep.

Residual waters and tank rinsing liquids were properly transported off-site for treatment/recycling at facilities operated by Marine Vacuum Services (Seattle) and Petroleum Reclaiming Services (Tacoma).

Additionally, the subject property was serviced by an approximately 500 gallon aboveground used oil storage tank. The steel tank was located directly adjacent to the southern exterior wall of an outbuilding located approximately 250 feet southwest of the vehicle fueling facility and on a parcel of land that surrounded the parcel of land that the UST facility was located on. The tank's location had a gravel surface and had a sloped overhead metal canopy. Oil stains and discoloration were observed on the surfaces of the gravels directly surrounding the tank.

All residual liquids were removed from the AST and the tank was cleaned by Cowlitz Clean Sweep. All residual and tank cleaning liquids were properly transported to Petroleum Reclaiming Services for treatment/recycling.

2.0 PRELIMINARY ON-SITE ACTIVITIES

2.1 Preliminary Soil Sampling

On April 8, 2014, I supervised the excavation of a test pit near the southeast on-site UST burial pit. The excavation pit was created to sample the subsurface soils and to observe groundwater elevation levels.

The excavation pit was extended to an approximate depth of 12 feet b.g.s.

During the on-site excavation activities, I observed soils that possessed a noticeable diesel fuel type odor and that produced a strong sheen when exposed to a water sheen test.

I obtained two (2) discreet soil samples from the soils present in the northern sidewall of the excavation at depths of 6 ft. and 9 ft. b.g.s. The soil samples were properly packaged and then submitted for appropriate laboratory analyses.

Laboratory analyses results for characterization soil sample SP1, obtained from the soils present in the excavated pit sidewall at a depth of 6 feet b.g.s., reported the presence of diesel fuel range TPH, at levels that exceed MTCA Method A Clean Up Levels.

Laboratory analyses results for characterization soil sample SP2, obtained from the soils present in the excavated pit sidewall at a depth of 9 feet b.g.s., report the detectable presence of diesel fuel range TPH, at levels that do not exceed MTCA Method A Clean Up Levels.

The presence of diesel fuel in the subsurface soils surrounding lube oil underground storage tanks indicates the presence of petroleum contaminated soils and/or groundwater on this site may be extensive.

An approximately two (2) foot thick layer of drain rock was placed on the bottom of the excavation pit, then a 10 inch diameter by 10 ft long slotted PVC drain pipe was placed in the excavation and the excavation/test pit was backfilled using drain rock. Approximately 1 foot of the solid portion of the pipe is aboveground. The pipe will be used to determine groundwater elevations on a periodic basis. The groundwater elevation information will be used to determine the appropriate time to commence on-site excavation activities.

2.2 Overhead Canopy and Concrete Demolition

All underground utilities were located by an Underground Utilities Locating Service using conventional utility locating equipment and/or Ground Pulse Radar (GPR).

All electrical supply lines were properly disconnected and capped.

All fuel dispensers were disconnected and removed from the concrete pump island.

The metal overhead pump island canopy was then properly demolished. All metal demolition debris was properly loaded and transported to Sutter Metals/Lacey Auto Wrecking for recycling as scrap metal.

The concrete pump islands and driveways were demolished. All concrete demolition debris was hauled next door to Concrete Recyclers for recycling.

All on-site demolition activities were performed under permit #TUM-14-0476 issued by the City of Tumwater.

2.3 Residual Water Removal, Supply Line Draining, and Tank Cleaning Activities

All residual fuels/liquids contained in the fuel dispensers and underground fuel supply lines were drained back into the underground fuel storage tanks.

One of the on-site 8,000 gallon underground fuel storage tanks was substantially filled with water. The fill cap on the tank was left partially open and the flowing storm water in the area partially filled the tank.

All residual liquids were pumped from the tanks and the tanks were properly cleaned by Marine Vacuum Service. All residual and tank rinsing liquids were transported to Marine Vacuum Services Seattle Facility and to Petroleum Reclaiming Services in Tacoma, Washington.

2.4 Underground Fuel Supply Line Removal

After the demolition and removal of the concrete surface materials, all underground fuel supply lines were disconnected from the underground fuel storage tanks and were removed from the ground and were placed in on-site demolition debris stockpiles. All piping connection holes were then temporarily plugged.

During the underground fuel supply line removal process in the area of the former pump island, a noticeable odor of petroleum products was present. Soils surrounding piping located on the north and northeastern portions of the pump island area possessed a very noticeable gasoline type odor.

Soils present in the uncovered UST burial pit area and the southern portion of the pump island area possessed a noticeable diesel fuel type odor.

All underground fuel supply line demolition metal debris was properly transported to Sutter Metals/Lacey Auto Wrecking for recycling as scrap metal.

3.0 UNDERGROUND FUEL STORAGE TANK REMOVALS AND ASSOCIATED REMEDIAL/CORRECTIVE ACTIONS

In preparation for the UST removals, all concrete and/or asphalt surface materials present over the tanks were demolished, loaded and transported to the neighboring off-site recycling facility.

Prior to removal the tanks were properly purged of volatile vapors using dry ice (CO2) at a rate of 2lbs. per 100 gallons capacity. Ice was continually added to the tanks during the excavation and removal process.

Beginning on July 7, 2014, I supervised the excavation and removal of four (4) 10,000 gallon and two (2) 8,000 gallon gasoline underground fuel storage tanks (USTs). All excavation and UST removal activities were performed by representatives of Vessy and Sons, Inc.

Mr. Brett Manning, a U.S.T. Inspector with the Department of Ecology, was notified of the UST removals but was unable to visit the site during the on-site tank removal activities. Mr. Manning did attend an on-site pre-project meeting.

Initial excavation activities were focused on the removal of petroleum contaminated soils located in the southwest corner of the UST burial pit and near the southern ends of the two (2) 8,000 gallon lube oil underground storage tanks (USTs).

The excavated soils consisted of dark brown gravelly soils with some larger cobbles intermixed. Various sized pieces of timber were also found at various depths throughout the excavation.

Soils excavated along the southern (fill port) end of the two (2) USTs possessed a noticeable diesel fuel type odor and produced a strong sheen when exposed to a water sheen test (field screening). The presence of diesel fuel contaminated soils and/or groundwater in the soils directly surrounding a UST used to store lube oil indicates that the limits of the petroleum contaminated soils and/or groundwater plume on this site may be extensive.

The strong presence of diesel fuel range contamination in the soils appeared to lessen as the excavation of soils along the western sidewall of the excavation pit was advanced in a northerly direction. After the soils were removed from the southern ends and along the western sidewall excavation, the remaining overburden soils were removed from the top of the tanks and placed in the appropriate stockpiles.

During excavation activities, all excavated soils were field screened and placed on a 6 mil visqueen liner and covered with a 4 mil visqueen tarp for temporary storage. Soils that noticeably contained elevated levels of petroleum products were placed in separate stockpiles.

During the tank removal excavation project, selected portions of the excavation were dewatered on a regular/continual basis. During the early stages of the excavation project, water flowed into the excavation at a limited but constant rate.

Waters generated during these dewatering activities were placed in large portable aboveground storage tanks for temporary storage purposes. Cowlitz Clean Sweep (CCS) transferred the waters into transport trucks on a periodic basis. The waters were then transported to Petroleum Reclaiming Services in Tacoma, Washington for treatment and recycling.

After the soils immediately surrounding the western most UST were removed, the steel fuel tank was extracted from the excavation pit using an excavator. The UST was placed on a visqueen liner on a remote portion of the site. The tank was properly secured using wooden, non abrasive blocks.

After removal of the UST, a limited amount of soils was removed along the western base of the easterly adjacent UST. The adjacent UST was then extracted from the excavation, placed next to the other removed UST and properly secure. The process was duplicated during the removal of the four (4) additional USTs.

During a visual inspection of the six (6) steel tanks, I observed no presence of any significant corrosion and/or any holes on the tank's surfaces.

The excavation was advanced to an approximate depth of 13 ft b.g.s. (below ground surface) in the USTs burial pit area.

The southern sidewall of the UST excavation was advanced approximately 15 feet to the south to facilitate removal of all of the petroleum contaminated soils from the southern sidewall of the excavation.

The UST excavation was extended approximately 15 feet to the west to facilitate the removal of the petroleum contaminated soils from the western sidewall of the excavation.

The UST excavation area was extended approximately 30 feet to the east. During the excavation of petroleum contaminated soils in this area, a large, 2 day rain event took place. A pit was excavated in the southeast corner of the excavation to collect the water.

The collected oily waters were pumped into a large aboveground water storage tank that was placed near the eastern end of the excavation area.

Upon the completion of the rain event, and after the collected waters had been remove from the excavation, we resumed the excavation/removal of petroleum contaminated soils from the southeastern portion of the excavation until all noticeably contaminated soils were remove from the floor and sidewalls of this portion of the excavation.

During the excavation and removal of the petroleum contaminated soils in areas beneath the former pump island we noticed that soils removed from the southern, western, central, and northwestern portions of the pump island excavation area possessed a noticeable diesel fuel type odor, while soils removed from the northern and eastern portions of the pump island excavation area possessed a noticeable gasoline type odor.

The excavation was extended to the west and northwest approximately 10 feet beyond the original footprint of the pump island before field screening results indicated no remaining presence of petroleum products in the soils present in the floor and the sidewalls of this portion of the excavation. The petroleum contaminated soils were present at greater depths on the southern end of the pump island excavation area, near the UST burial pit, than on the northern portion of the excavation area.

During the excavation of petroleum contaminated soils from the northern and eastern portions of the excavation we encountered intermittent layers and small pockets of gravels at depths of 5 feet b.g.s. The soils directly below these gravels possessed a noticeable gasoline type odor.

The excavation was advanced to the north approximately 10 feet and to the east 40 feet beyond the operational footprint of the pump island.

The eastern migration of the gasoline range contaminants in the shallow subsurface materials was definitely aided by the presence of the permeable gravel layers. We found isolated layers of gasoline impacted gravels surrounded by clean materials.

After the removal of all the noticeably impacted soils from this area, laboratory analyses results for screening soil samples reported no presence of total petroleum hydrocarbons but the remaining presence of Benzene at levels exceeding MTCA Method A Clean Up Levels.

We continued to excavate and remove PCS from these areas until laboratory analyses results reported no presence of THP and/or BTEXs at levels that exceed MTCA Method a Clean Up Levels.

The expanded excavation covered approximately 9,500 square feet area.

A total of fifty-four (54) confirmation soils samples were obtained from the floor and sidewalls of the UST burial pit and pump island area remedial excavation.

Laboratory analyses results for the fifty-four (54) confirmation soil samples reported no presence of gasoline range TPH, diesel fuel range TPH, lube oil range TPH, and/or BTEXs, at levels that exceed MTCA Method A Clean Up Levels in the floors and sidewalls of the completed remedial excavation.

A total of 3,633.90 tons of petroleum contaminated soils were excavated from the Underground Storage Tank Excavation Area. The soils were loaded and transported to Cowlitz County Landfill for proper disposal.

The excavation was backfilled using clean gravels that were properly compacted for stability.

4.0 USED OIL ABOVEGROUND STORAGE TANK REMOVAL AND ASSOCIATED REMEDIAL/CORRECTIVE ACTIONS

A 500 gallon used oil aboveground storage tank (AST) was located approximately 250 feet south of the UST site. The steel tank was located directly adjacent to southern exterior wall of a remote metal storage/garage building. The building was constructed on a concrete slab. We discovered that the southern 6 feet portion of the building has a plywood floor.

The steel AST sat on a gravel surfaced area that was covered and protected from weather by a sturdy, oversized metal roof/canopy that was attached to the metal building, The canopy was supported by substantial steel frame. A private power pole was located approximately 12 feet south of the ASTs location.

The fill port for the AST was located on the western end of the tank.

The steel surfaces surrounding the tank's fill port appeared to have an oily appearance.

The gravels located beneath the western end of the used oil storage tank were discolored/oil stained.

It was determined the AST should be placed "out of service", removed from the site, and the soils surrounding the AST should be properly remediated.

All residual liquids were removed from the tank and the tank was properly cleaned.

The metal canopy was demolished/removed to provide reasonable access to remove the tank and the adversely impacted soils.

The steel tank was then removed and was transported off-site, along with the metal roof's demolition debris, to an appropriate off-site metal recycling facility.

We then proceeded to excavate a limited amount of shallow soils that were noticeably contaminated from AST's previous location. The shallow excavation was extended to an

approximate depth of 28 inches b.g.s. The northern sidewall of the excavation was directly adjacent to the southern edge of the metal building.

The excavated soils were placed on a visqueen liner and covered with a tarp for temporary storage.

Six (6) representative soils samples were obtained from the floor and sidewalls of the shallow excavation. The soil samples were submitted for appropriate laboratory analyses.

Laboratory analyses results for soils samples EF, WSW, NSW, and SSW reported the presence of lube oil range TPH in the western, southern and northern sidewalls of the excavation at depths of approximately 18 inches b.g.s., and in the eastern portion of the excavation floor at a depth of 28 inches b.g.s. at levels that exceed MTCA Method A Clean Up Levels.

Laboratory analyses results for soils samples WF, and ESW reported the no presence of lube oil range TPH, at levels that exceed MTCA Method A Clean Up Levels, in the western floor, and eastern sidewall of the excavation at comparable depths.

<u>Laboratory analyses results for selected soil sample NSW reported no presence of MTCA 5 Metals and/or CPAHs at levels that exceed MTCA Method A Clean Up Levels.</u>

The above listed laboratory analyses results were also submitted to the off-site disposal facility as waste soils characterization samples.

The presence of elevated levels of lube oil range TPH in the soils present in the northern sidewall of the excavation indicates that the lube oil contaminated soils plume extends beneath the metal building, the wooden floor beneath the southern portion of the metal building and potentially beneath the building's concrete slab floor.

We proceeded to excavate and remove additional petroleum contaminated soils from soils from the western, southern and northern sidewalls as well as the eastern portion of the excavation floor.

In an effort to remove all of the petroleum contaminated soils from the extended northern sidewall of the excavation, we removed portions of the metal building's wooden floor. We then continued to excavate petroleum contaminated soils. The excavation was extended approximately 7.5 to the north and beneath building's footprint. The excavation was extended to depths of approximately 3.5 feet b.g.s. at selected locations.

Field screening results indicated that the petroleum contaminated soils plume extended beneath the buildings concrete on the western portion of the excavation.

We proceeded to advance five (5) investigative boreholes using a Direct Push System. Field screening of the soils obtained from the boreholes assisted us with determining the amount of concrete floor that needed to be remove to provide reasonable access for the excavation and removal of the remaining petroleum contaminated soils.

The concrete slab was saw cut and the concrete was removed to provide reasonable access to the remaining small pocket of petroleum contaminated soils.

The excavation was then extended using hand excavation tools (pick/shovels). The extended excavation area was approximately 36 inches deep was extended approximately 3 feet to the north and was approximately 5 feet in length.

A total of fifteen (15) additional soil samples were obtained from selected locations on the floor and sidewalls of the completed excavation.

Laboratory analyses results for confirmation soils samples S1, S2, S3, S4, S5, S6, S7, S9, S10, S11, S12, S13, S15, and S16 reported no presence of diesel fuel and/or lube oil range TPH at levels that exceed MTCA Method A Clean Up Levels in the floor and sidewalls of eastern and western portions of the northern sidewall, western sidewall, southern sidewall, and the exterior excavation floor.

<u>Laboratory analyses results for selected confirmation soils samples S4, S5, S11, S13, and S15 reported no presence of MTCA 5 Metals at levels that exceed MTCA Method A Clean Up Levels.</u>

<u>Laboratory analyses results for excavation soil sample S14 reported the presence of lube oil range TPH at levels equal to the MTCA Method A Clean Up Level in the northern sidewall of the extended excavation.</u>

An additional 8 inches of soil was removed from the northern sidewall of the extended excavation area.

Soil sample S14-2 was obtained from the central portion of the northern sidewall of the extended excavation.

<u>Laboratory analyses results for soil sample S14-2 reported no presence of lube oil range TPH at levels that exceed MTCA Method A Clean Up Levels.</u>

The laboratory analyses results for the confirmation soil samples obtained from the Used Oil Aboveground Remedial Excavation Area confirm the successful removal of all known soils, that contain lube oil range TPH, at levels that exceed MTCA Method A Clean Up Levels, from the floor and sidewalls of the completed excavation.

No groundwater was encountered during these remedial excavation activities.

A total of 97.89 tons of petroleum contaminated soils were excavated from the Used Oil, Aboveground Storage Tank Excavation Area. The soils were loaded and transported to Cowlitz County Landfill for proper disposal.

The excavation was backfilled using clean gravels that were properly compacted for stability.

5.0 SOIL SAMPLING, WATER SAMPLING, AND LABORATORY ANALYSES PROTOCOLS

Excavation soil samples were taken with hand sampling tools properly cleaned between individual samples to prevent cross sample contamination.

Borehole soils samples were obtained using a combination of the Direct Push Sampling System and an Easy Draw Sampler.

EPA Method 5035 sampling protocols were practiced when sampling soils to be analyzed for Volatile Organic Compounds.

Excavation and aboveground storage tank water samples were obtained using a disposable PVC bailer.

All samples were then tightly packed in recommended sample containers with no head space, properly refrigerated, and transported with proper chain of custody forms to ESN Northwest, Inc., of Olympia, Washington for laboratory analyses. Soil and/or water samples were screened for gasoline range Total Petroleum Hydrocarbons using method NWTPH-Gx, diesel fuel, and lube oil range T.P.H. using method NWTPH-Dx/Dx Extended, and VOCs using EPA method 8260, MTCA 5 Metals using EPA method 6020 series, and Semi-Volatile Organic Compounds (PAHs) using EPA method 8270.

6.0 HEALTH AND SAFETY

- 1. All on-site work was performed under the Health and Safety guidelines set forth in sections 29 CRF 1910.120 of the Federal Register and Chapter 296-62 WAC which provide regulations for individuals who are engaged in activities involving hazardous substances, including petroleum, and who perform confined space entry during field activities, also Chapter 296-155 WAC which provides State safety standards for construction work.
 - 2. All on-site workers were 40 hour Hazmat certified.
- 3. A copy of the Site Safety Plan was provided to all on-site employees. The contents of this plan and all potential on-site hazards were discussed during an on-site safety meeting. Based on the contents of this safety plan all workers were required to wear at least Level D protection. First Aid materials were on-site at all times.
- 4. All recoverable quantities of combustible/flammable liquids were pumped/removed from these tanks and the tanks were cleaned prior to the commencement of any on-site UST removal excavation activities.
- 5. The extended perimeter of the work area was secured at all times by caution tape, orange hazard candlesticks and a chain link security fence.

7.0 SUMMARY

1. A confirmed release of gasoline and diesel fuel to subsurface soils surrounding the onsite underground fuel storage tanks was properly reported to Ecology.

A confirmed release of Used Motor Oil was properly reported to Ecology.

2. Three (3) approximately 10,000 gallon capacity underground diesel fuel storage tanks, one (1) approximately 10,000 gallon capacity unleaded gasoline underground storage tank, and

- two (2) approximately 8,000 gallon capacity lube oil (motor oil) underground storage tanks were properly excavated and removed from the site as per applicable regulations.
- 3. A total of 3,633.90 tons of petroleum contaminated soils were excavated from the Underground Storage Tank/Pump Island Excavation Area. The petroleum contaminated soils were properly loaded into dump trucks and transported to Cowlitz County Landfill for proper disposal.

The petroleum contaminated soils in this area were the primarily the result of spills and overfills of gasoline and diesel fuel that took place during filling of the underground storage tanks, and leaking underground fuel supply lines. Leaking fuel dispensers could also have been a contributor.

- 4. Laboratory analyses results for fifty-four (54) confirmation soil samples obtained from the floor and sidewalls of the completed Underground Storage Tank/Pump Island Excavation Area reported no presence of gasoline range T.P.H., diesel fuel range TPH, lube oil range TPH, and/or B.T.E.X.'s at levels that exceed Ecology's Method "A" Clean Up Levels.
- 5. A total of 25,129 gallons of petroleum contaminated waters were properly loaded and transported to Petroleum Reclaiming Services (PRS) or Marine Vacuum Services for proper recycling. The liquids were generated during on-site tank cleaning/rinsing activities and excavation dewatering activities.
- 6. Based on the confirmation soil samples laboratory analyses results, the excavation was backfilled using clean gravels that were properly compacted for stability.
- 7. One (1) approximately 500 gallon Used Oil Aboveground Storage tank was properly cleaned and removed from the site.

Discolored/oil stained soils were observed in area directly surrounding the ASTs fill port.

8. A total of 97.89 tons of petroleum contaminated soils were excavated from the Used Oil, Aboveground Storage Tank Excavation Area. The soils were loaded and transported to Cowlitz County Landfill for proper disposal.

The petroleum contaminated soils in this area were the result of spills and overfills of used oils that took place during the transfer of oils from portable oil storage containers into the tank via the fill port.

- 9. Laboratory analyses results for excavation soil samples obtained at the completion of this Used Oil Aboveground Storage Tank Removal and associated remedial and corrective actions reported no presence of diesel fuel range TPH, lube oil range TPH, and/or MTCA 5 Metals at levels that exceed Ecology's Method "A" Clean Up Levels in the remaining soils present in the floor and sidewalls of the expanded excavation pit.
- 10. All tank removal activities were performed under permit #TUM-14-0475 issued by the City of Tumwater. A 30-day notice was properly filed with Ecology.

11. The metal canopy demolition debris, steel tanks, and steel underground fuel supply lines were properly cleaned and then transported to the Sutter's Metals/Lacey Auto Wrecking for proper disposal/recycling as scrap metal.

An inspection of the steel tanks revealed no holes and/or any significant level of corrosion.

12. The tank removal project was inspected and approved by a representative of the City of Tumwater.

All opinions, observations, and recommendations set forth in this report are based on current available information and on-site conditions, and cannot predict or report on the impacts of future events and/or regulatory requirements on this site.

If you have any questions or need further information please feel free to contact us at the above phone number.

Sincerely,

Paul W. Stemen

Ecology-Registered Site Assessor

IFCI #0874201-U2

ASTM Certified

APPENDIX A MAPS AND CHARTS

APPENDIX A - 1 SITE LOCATIONS MAP

APPENDIX A - 2

UST SITE LABORATORY ANALYSES CHARTS AND CONFIRMATION SOIL SAMPLING LOCATION MAP

UST AREA PREPROJECT SOIL SAMPLES

ANALYSIS OF	DIESEL A	ND LUBE	OIL RANGE	ORGANICS	IN SOILS BY	METHOD
NWTPH-Dx/Dx	EXTENDE	D				
			•			
			DIESEL	LUBE OIL		
SAMPLE	SAMPLE	SAMPLE	RANGE	RANGE		
NUMBER	DATE	DEPTH	ORGANICS	ORGANICS		
			mg/kg	mg/kg		,
SP1	4/8/14	VARIOUS	7,300	ND		
SP2	4/8/14	VARIOUS	510	ND		
METHOD DET	ECTION LI	MITS	50	100		
METHOD "A" (CLEAN UP	LEVELS	2000	2000		

UST EXCAVATION AREA WATER STORAGE TANK SAMPLES

		LUBE OIL	RANGE	ORGANICS ORGANICS	ng/L	9	9	200	2000
GANICS &		DIESEL	RANGE	ORGANIC	ng/L	QN	QN	250	2000
E RANGE OR	1x/8260	GASOLINE	RANGE	ORGANICS	ng/L	1300	250	100	1000
, GASOLINI	NWTPH-G		TOTAL	XYLENES	ng/L	4	QN	က	1000
ORGANICS	D METHOD		ETHYL-	BENZENE	ng/L	QN	QN	-	700
OIL RANG (ENDED AN			TOLUENE	ng/L	1.2	9	-	1000
ICS, LUBE (OD NWTPH Dx/Dx EXTENDED AND METHOD NWTPH-Gx/8260			DEPTH BENZENE TOLUENE BENZENE XYLENES	ng/L	10	ND	_	2
ORGAN	NWTPH			DEPTH		10.5	10.5		ST
ESEL RANGE BY METHOD		SAMPLE	DATE		10/9/14	10/9/14	LS	AN UP LEVE	
ANALYSIS OF DIESEL RANGE ORGANICS, LUBE OIL RANG ORGANICS, GASOLINE RANGE ORGANICS &	BTEX IN WATER BY METH		SAMPLE	NUMBER		W1	W2	REPORTING LIMITS	METHOD "A" CLEAN UP LEVELS

UST EXCAVATION AREA SCREENING SAMPLES

ANALYSIS	OF GASOL	INE RANGE	ANALYSIS OF GASOLINE RANGE ORGANICS	& BTEX IN SOIL	& BTEX IN SOIL BY METHOD NWTPH-GX/8260	TPH-GX/8260			
ANALYSIS	OF DIESE	L RANGE O	ANALYSIS OF DIESEL RANGE ORGANICS & L	UBE OIL RANGE	LUBE OIL RANGE ORGANICS IN SOIL BY METHOD NWTPH-Dx/D EXTENDED	OIL BY METHOI	D NWTPH-Dx/D	EXTENDED	
**							GASOLINE	DIESEL	LUBE OIL
SAMPLE	SAMPLE	SAMPLE			ETHYL-	TOTAL	RANGE	RANGE	RANGE
NUMBER	DATE	DEPTH	BENZENE	TOLUENE	BENZENE	XYLENES	ORGANICS	ORGANICS	ORGANICS
			mg/kg	mg/kg	mg/kg·	mg/kg	mg/kg	mg/kg	mg/kg
PI4	8/7/14	71"	0.23	N	0.13	0.45	QN	QN	QN
PI6	8/7/14	09	0.03	Q	N	QN	QN	QN	QN
NEF1	8/12/14	120"	60.0	Q	N	9.0	QN	QN	QN
NE2S	8/12/14	48"	0.68	0.19	0.33	က	49	QN	QN
SEC	8/12/14	126"	0.03	Q	N	QN	QN	QN	QN
NEF2	8/12/14	121"	0.13	0.47	3.6	2.1	41	QN	QN
NE1	8/12/14	89	0.04	QN	0.07	0.64	28	Q	260
PI7	8/12/14	09	0.29	1.8	0.27	1.8	35	QN	QN
PI18	8/15/14	84"	90.0	QN	N	0.18	QN	QN	QN
TF3	8/15/14	130"	0.08	Q	Q	0.5	QN	QN	QN
PINW	8/27/14	48"	0.05	Q	Q	QN	QN	Q	QN
PI34	8/28/14	08	0.03	Q	0.16	QN	QN	QN	QN
P136	8/28/14	84"	0.04	Q	QN	0.25	QN	QN	QN
METHOL	METHOD DETECTION LIMI	TON LIMIT	0.02	0.05	0.05	0.05	10	50	100
METHOL	METHOD "A" CLEAN UP LE	AN UP LE	0.03	7	9	6	30	2000	2000

UST EXCAVATION AREA CONFIRMATION SOIL SAMPLES

	10161 8 11011	COPCANIC		I DANICE OBC	TOO I W OO H	DVACTIO	" A TIGATIME A	O EVTENIDEL	
ANALYSIS OF DIESEL RANGE ORGANICS & LUBE	MESEL KANGI	CICAMIN		L NAINGE ON	OIL RANGE ORGANICS IN SOIL BY METHOD NWTPH-DX/D EXTENDED	L BI MEIHOL	ONWIPH-DX/	U EAI EINDEL	
							GASOLINE	DIESEL	LUBE OIL
SAMPLE	SAMPLE	SAMPLE			ETHYL-	TOTAL	RANGE	RANGE	RANGE
NUMBER	DATE	DEPTH	BENZENE	TOLUENE	BENZENE	XYLENES	ORGANICS	ORGANICS	ORGANICS
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
IF	7/31/14	143"	N	ND	ND	ND	ND	ND	ND
2F	7/31/14	145"	N	ND	ND	ND	ND	ND	ND
4S	7/31/14	136"	ND	ND	ND	ND	ND	ND	ND
38	7/31/14	130"	N	ND	ND	N	ND	ND	ND
23E	7/31/14	52"	ND	ND	ND	ND	ND	ND	ND
PII	8/7/14	48"	ND	ND	ND	ND	ND	ND	ND
PI2	8/7/14	09	ND	ND	ND	ND	ND	ND	ND
PI3	8/7/14	98	ND	ND	ND	ND	ND	ND	ND
PI7	8/7/14	99	ND	ND	ND	ND	ND	ND	ND
PI8	8/7/14	98	ND	ND	ND	ND	ND	ND	ND
PI9	8/7/14	136"	ND	ND	ND	ND	ND	ND	ND
P110	8/7/14	96	ND	ND	ND	ND	ND	ND	ND
PI4-2	8/12/14	82"	ND	ND	ND	ND	ND	ND	ND
PI13	8/14/14	84"	N ON	ND	ND	ND	ND	ND	ND
PI14	8/14/14	.99	ND	ND	ND	ND	ND	ND	ND
P115	8/14/14	94"	N	ND	ND	ND	ND	ND	ND
P116	8/14/14	112"	ND ND	ND	ND	ND	ND	ND	ND
TF1	8/14/14	148"	N	ND	ND	ND	ND	ND	ND
T14	8/15/14	129"	N	ND	ND	ND	ND	62	ND
T15	8/15/14	146"	N	ND	ND	ND	ND	ND	ND
T13	8/15/14	108"	N ON	ND	ND	ND	ND	ND	ND
PI19	8/15/14	130"	ND	ND	ND	ND	ND	. ON	ND
· T18	8/15/14	96	· QN	ND	ND	ND	ND	ND	QN
TF4	8/15/14	144'	N ON	ND	ND	ND	ND	ND	ND

UST EXCAVATION AREA CONFIRMATION SOIL SAMPLES

							GASOLINE	DIESEL	LUBE OIL
SAMPLE	SAMPLE	SAMPLE			ETHYL-	TOTAL	RANGE	RANGE	RANGE
NUMBER	DATE	DEPTH	BENZENE	TOLUENE	BENZENE	XYLENES	ORGANICS	ORGANICS	0
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
T19	8/15/14	106"	ND	N ON	N ON	- Q	QN QN	ND	N O
T192	8/15/14	140"	ND	N	N ON	QN.	ND	ND	N N
T5	8/15/14	145"	ND	ND	ND	N N	QN.	ND	ND
T21	8/15/14	144"	ND	ND	ND	N N	QN.	ND QN	ND
TF9	8/15/14	146"	ND	ND	ND	Q.	QN	ND	N N
TF7	8/15/14	145"	ND	ND	ND	ND	<u>R</u>	ND QN	N N
TF8	8/15/14	150"	ND	ND	ND	N N	QN	N Q	N N
TF6	8/15/14	147"	ND	ND	ND .	<u>N</u>	ND	ND	N N
T22	8/15/14	144"	ND	ND	ND	9	N QN	ND	N N
T20	8/15/14	82"	N	N	ND	QN.	QN	ND	N
T23	8/15/14	84	ND	ND	ND	ND	N	ND	ND
TF10	8/15/14	141"	ND	ND	ND	N ON	N	ND	N
TF12	8/15/14	145	ND	N	ND	N N	N N	ND	N
830	8/15/14	96	ND	ND	ND	ND	ND	ND	ND
S31	8/15/14	09	ND	ND	ND	ND	ND	ND	N
S32	8/15/14	108"	ND	ND	ND	N ON	N	ND	N N
PI25	8/27/14	106"	ND	ND	ND	ND	N ON	ND	N
PI22	8/27/14	108"	ND	ND	ND	0.18	N N	ND	N
PI32	8/27/14	92	ND	ND	ND	N ON	N	ND	N
PI23	8/27/14	52"	ND	ND	ND	0.21	N N	ND	N
PINE	8/27/14	89	ND	ND	ND	N N	ND	ND	N
NEC3	8/27/14	98	ND	ND	ND	ND	. ND	ND	N
NF1-2	8/27/14	136"	ND	ND	· QN	ND	N	ND	ND ND
NF2-2	8/27/14	132"	QN	CN	ND	0.18	CN	CIN	CN

UST EXCAVATION AREA CONFIRMATION SOIL SAMPLES

SAMPLE NUMBER		CRUAIN	S & LUBE OL	L KANGE OK	ANALYSIS OF DIESEL RANGE ORGANICS & LUBE OIL RANGE ORGANICS IN SOIL BY METHOD NWTPH-Dx/D EXTENDED	CBI MEINUL	フ I V W I I I I I I V V I	フロクコロドフロ	
SAMPLE NUMBER							GASOLINE	DIESEL	LUBE OIL
NUMBER	SAMPLE	SAMPLE			ETHYL-	TOTAL	RANGE	RANGE	RANGE
	DATE	DEPTH	BENZENE	TOLUENE	BENZENE	XYLENES	ORGANICS	ORGANICS	ORGANICS
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PI27	8/27/14	89	ND	ND	ND	ND	ND	ND	ND
PI29-2	8/27/14	08	ND	N	ND	ND	ND	ND	ND
PI31	8/28/14	92"	ND	N	ND	ND	ND	ND	ND
PI35	8/28/14	06	N ON	N ON	ND	ND	ON	ND	ND
PI37	8/28/14	84"	S	ND	ND	0.25	ON	ND	ND
P134-2	9/26/14	72"	N N	QN	ON	QN	ON	ON	ND
PINW-2	9/26/14	48"	S	N ON	N	ND	ND	ND	ND
METHOD DETECTION LIMITS	TION LIMITS		0.02	0.05	0.05	0.05	10	50	100
METHOD "A" CLEAN UP LEVELS	EAN UP LEV	ELS	0.03	7	9	6	30	2000	2000
					3				,

STOCK PILE SAMPLES

ANALYSIS	OF GASOLI	ANALYSIS'OF GASOLINE RANGE ORGANICS & BTEX IN SOIL BY METHOD NWTPH-GX/8260	NICS & BTE	N SOIL	BY METHO	D NWTPH-	GX/8260			
ANALYSIS	OF DIESEL	ANALYSIS OF DIESEL RANGE ORGANICS & LUBE OIL RANGE ORGANICS IN SOIL BY METHOD NWTPH-Dx/D EXTENDED	S & LUBE (JIL RANGE	ORGANICS	S IN SOIL B	Y METHOD	NWTPH-D	x/D EXTENDED	
							GASOLINE	DIESEL	LUBE OIL	
SAMPLE	SAMPLE	SAMPLE			ETHYL-	TOTAL	RANGE	RANGE	RANGE	
NUMBER	DATE	DEPTH	BENZENE	BENZENE TOLUENE	BENZENE		ORGANICS	ORGANICS	XYLENES ORGANICSORGANICS	
			mg/kg	.mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
CS1	7/31/14	VARIOUS	QN	ND	Q	N	QN	1500	QN	
CS2	7/31/14	VARIOUS	N	ND	Q	Q	R	1500	QN	
CS3	7/31/14	VARIOUS	Q	QN	QN	QN	N	3200	QN	
CS4	7/31/14	VARIOUS	Q	N	Q.	N	Q	1000	QN	
CS5	7/31/14	VARIOUS	N	ND	Q	ND	ND	2300	ND	
SP6	8/8/14	VARIOUS	0.04	ND	80.0	ND	QN	8800	ND	
SP7	8/8/14	VARIOUS	0.04	0.05	0.1	0.16	Q	8700	ND	
SP8	8/8/14	VARIOUS	0.2	ND	0.85	0.49	QN	10000	ND	
SP9	8/15/14	VARIOUS	0.03	ND	Q	QN	0.05	1500	QN	•
SP10	8/15/14	VARIOUS	90.0	ND	90.0	0.28	N	006	ND	
SP11	8/15/14	VARIOUS	0.02	N	Q.	0.19	QN	200	ND	
SP11	8/15/14	VARIOUS	N	QN	Q	N	QN	ND	ND	
SP12	8/15/14	VARIOUS	N	QN	Q	0.15	ND	QN	ND	
SP13	8/15/14	VARIOUS	Q.	QN	Q.	ND	ND	ND	ND	
METHOL	DETECTI	METHOD DETECTION LIMITS	0.02	0.05	0.05	0.05	10	50	100	
METHOL	A" CLEA	METHOD "A" CLEAN UP LEVELS	0.03	7	9	6	30	2000	2000	

APPENDIX A - 3

AST SITE LABORATORY ANALYSES CHARTS AND CONFIRMATION SOIL SAMPLING LOCATION MAP

AST EXCAVATION AREA CONFIRMATION SOIL SAMPLES

ANALYSIS OF ORGANICS IN	SOIL BY M	NGE ORO	GANICS & I IWTPH-Dx/	LUBE OIL RANGE D EXTENDED
				ETTENDED
SAMPLE	SAMPLE	SAMPLE	DIESEL	LUBE OIL
NUMBER	DATE	DEPTH	RANGE	RANGE
				SORGANICS
			mg/kg	mg/kg
WF	6/20/15	34"	ND	780
ESW	6/20/15	19"	ND	560
S1	7/8/15	23"	ND	ND
S2	7/8/15	27"	ND	ND
S3	7/8/15	28"	ND	ND
S4	7/8/15	38"	ND	ND
S5	7/8/15	36"	ND	ND
S6	7/8/15	27"	ND	ND
S7	7/8/15	40"	ND	ND
S9	7/13/15	22"	ND	220
S10	7/13/15	36"	69	240
S11	7/13/15	38"	ND	ND
S12	7/14/15	28"	ND	ND
S13	7/14/15	37"	ND	1500
S15	7/14/15	24"	ND	1500
S16	7/14/15	36"	ND	380
S14-2	7/15/15	22"	ND	210
TETHOD DETE	ECTION LIM	ITS	50	100
METHOD "A" C	LEAN UP L	EVELS	2000	2000

AST EXCAVATION AREA CONFIRMATION SAMPLES

OIAL MEIALS IN	ALS III SON						
SAMPLE	SAMPLE SAMPLE	SAMPLE					
NUMBER	DATE	DEPTH	LEAD (Pb)	CADMIUM (Cd)	CHROMIUM (Cr)	ARSENIC (As)	Mercury (Hg)
			mg/kg	mg/kġ	mg/kg	mg/kg	mg/kg
S4	7/8/15	38"	ND	QN	57	ND	ND
S5	7/8/15	36"	7.9	ND	24	ND	ND
S11	7/13/15	41"	ND	ON	34	ND	ND
S13	7/14/15	37"	N	N	29	ND	ND
S15	7/14/15	24"	9.7	ND	35	ND	ND
METHOD DETECTION LEVEL	TECTION	LEVEL	\$		S	\$	0.5
IETHOD "A	METHOD "A" CLEAN UP LEVEL!	P LEVEL!	250	2	2000	20	2

AST EXCAVATION AREA SCREENING SAMPLE

ANALYSIS OF POLYNUCLEAR AR	OMATIC HY	DROCARBO	NS IN SOIL BY METHOD 8270
SAMPLE-NUMBER		NSW	
DATE		6/20/2015	
4	REPORT		
DEPTHS	LIMITS	18"	
		mg/kg	
. Naphthalene	0.02	ND	
2-Methylnapthalene	0.02	ND	
1-Methylnapthalene	0.02	ND	
Acenaphthylene	0.02	ND	
Acenaphthene	0.02	0.57	
Fluorene	0.02	ND	
Phenanthrene	0.02	· ND	
Anthracene	0.02	ND	
Fluoranthene	0.02	ND	
Pyrene	0.02	0.73	
Benzo(a)anthracene	0.02	ND	
Chrysene	0.02	ND	
Benzo(b)fluoranthene	0.02	ND	
Benzo(k)fluoranthene	0.02	ND	
Benzo(a)pyrene	0.02	ND	,
Indeno(1,2,3-cd)pyrene	0.02	ND	
Dibenzo(a,h)anthracene	0.02	ND	
Benzo(ghi)perylene	0.02	ND	

APPENDIX B SITE PHOTOS

APPENDIX C LABORATORY ANALYSES



April 28, 2014

Paul Stemen Stemen Environmental P.O. Box 3644 Lacey, WA 98509

Dear Mr. Stemen:

Please find enclosed the analytical data report for the Flintstone Fuel Project in Tumwater, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended on April 10, 2014.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Stemen Environmental for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we look forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec

Michael a Korosee

President

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc FLINTSTONE FUEL PROJECT Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

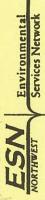
Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	4/10/2014	4/10/2014	94	nd	nd
LCS	4/10/2014	4/10/2014	107	99%	
SP1	4/10/2014	4/10/2014	int	7,300	nd
SP2	4/10/2014	4/10/2014	88	510	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 50% TO 150%

[&]quot;int" Indicates that interference prevents determination.



CHAIN-OF-CUSTODY RECORD

PAGE OF	STARONE FUEL	122 , with	Shen of Collection If	NO Total Number of Containers of Containers Note Number												LABORATORY NOTES:				\	Turn Around Time: 24 HR 48 HR 5 DAY
DATE: 48	PROJECT NAME:	LOCATION: TUMMARY	COLLECTOR: PAUL	800 10 x 8 x 10 x 10 x 10 x 10 x 10 x 10							42 5					SAMPLE RECEIPT	TOTAL NUMBER OF CONTAINERS	CHAIN OF CUSTODY SEALS THINA	SEALS INTACT? YMMA	RECEIVED GOOD COND./COLD	
NON MENNE IN	of forus, not	FAX:	Sprifted PROJECT MANAGER. May (South	Container Type 15/2/2/2/2/2/2/19/19/2/2/2/2/2/2/2/2/2/2/2	× 5											TIME	4.033	RECEIVED BY (Signature) DATE/TIME CHAIN	SEALS		ech Return Pickup NOTES:
CLIENT: STEMEN & LUINS	ADDRESS: Pu Ray 3644	PHONE: 36 4889521	CLIENT PROJECT #: Funstainfun	Sample Number Depth Time Type C.	705 705				o,	2.	3.	4.	5.	9.	8.	ELINQUISHED BY (Signature) DATE/TIME	1001	ELINQUISHED BY (Signature) DATE/TIME		SAMPLE DISPOSAL INSTRUCTIONS	☐ ESN DISPOSAL @ \$2.00 each

September 11, 2014

Paul Stemen Stemen Environmental P.O. Box 3644 Lacey, WA 98509

Dear Mr. Stemen:

Please find enclosed the analytical data report for the Flintstone Fuel Project in Tuwater, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, and BTEX by Method 8260 on August 1 - September 5, 2014.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Stemen Environmental for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we look forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec

Michael a Kornee

President

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xvlenes	Gasoline Range Organics	Currogoto
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	7/31/2014	8/1/2014	pu	pu	pu	bu	pu	104
TCS	7/31/2014	8/1/2014	100%	%16	%16	101%	%99	100
LCSD	7/31/2014	8/1/2014	%86	100%	%66	106%))	66
IF	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	106
2F	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	100
48	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	101
38	7/31/2014	8/1/2014	pu	pu	pu	pu	pu pu	66
23E	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	108
CS1	7/31/2014	8/1/2014	pu	pu	pu	pu	Pu	102
CS2	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	113
CS3	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	100
CS4	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	110
CS5	7/31/2014	8/1/2014	pu	pu	pu	pu	pu	101
Denouting I imite			Co	i c	i d	,	Noord	
reporting milits		×	0.07	0.00	0.02	0.15	10	

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS:65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	8/1/2014	8/1/2014	102	nd	nd
LCS	8/1/2014	8/1/2014	111	91%	
1F	8/1/2014	8/1/2014	109	nd	nd
2F	8/1/2014	8/1/2014	105	nd	nd
4S	8/1/2014	8/1/2014	109	nd	nd
3S	8/1/2014	8/1/2014	114	nd	nd
23E	8/1/2014	8/1/2014	127	nd	nd
23E Duplicate	8/1/2014	8/1/2014	112	nd	nd
CS1	8/1/2014	8/1/2014	124	1500	nd
CS2	8/1/2014	8/1/2014	Int	1500	nd
CS3	8/1/2014	8/1/2014	Int	3200	nd
CS4	8/1/2014	8/1/2014	121	1000	nd
CS5	8/1/2014	8/1/2014	Int	2300	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 50% TO 150%

[&]quot;int" Indicates that interference prevents determination.

ENVIRONMENTAL Services Network

CHAIN-OF-CUSTODY RECORD

			131	Stantainers aboratory lote Number	1																						5 DAY	Website: www.esnnw.com
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CLIENT:	ADDRESS:	PHONE:	CLIENT PROJECT #:	Sample Number	18	26	7	b	7	CS	63	8	550	CS									RELINQUISHED BY (Signature)		RELINQUISHED BY (Signature)	1		1210 Eastside Street SE, Suite 200
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Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	8/8/2014	8/8/2014	84	nd	nd
LCS	8/8/2014	8/8/2014	63	93%	
PI1	8/8/2014	8/8/2014	87	nd	nd
PI2	8/8/2014	8/8/2014	86	nd	nd
PI3	8/8/2014	8/8/2014	87	nd	nd
PI6	8/8/2014	8/8/2014	88	nd	nd
PI4	8/8/2014	8/8/2014	87	nd	nd
PI7	8/8/2014	8/8/2014	86	nd	nd
PI7 Duplicate	8/8/2014	8/8/2014	83	nd	nd
PI8	8/8/2014	8/8/2014	96	nd	nd
PI9	8/8/2014	8/8/2014	92	nd	nd
PI10	8/8/2014	8/8/2014	84	nd	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xvlenes	Gasoline Range Organics	Currocoto
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	110
CS	8/7/2014	8/8/2014	94%	%96	%88	%06	112%	66
CSD	8/7/2014	8/8/2014	%86	%86	91%	93%	1	66
PII	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	114
PI1 Duplicate	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	109
PI2	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	108
PI3	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	113
PI6	8/7/2014	8/8/2014	pu	pu	pu	pu	þu	109
PI4	8/7/2014	8/8/2014	0.23	pu	0.13	0.45	þu	112
PI7	8/7/2014	8/8/2014	0.03	pu	pu	pu	pu	107
PI8	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	112
PI9	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	109
PI10	8/7/2014	8/8/2014	pu	pu	pu	pu	pu	109
Reporting Limits			0.02	0.05	0.05	0.15	10	

[&]quot;---" Indicates not tested for component.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS:65% TO 135%

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

ESIN NORTHWEST, INC.

Environmental Services Network

CHAIN-OF-CUSTODY RECORD

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PAGE / OF //	not Free	on. West.	m c DATE OF 8/7	Otal Number Containers Shoratory Shoratory Jose Number	0 1																		LABORATORY NOTES:				Turn Around Time: 24 HR 48 HR 5 DAY	Website: www.esnnw.com
DATE: 8/2/2414	PROJECT NAME: ALMS	LOCATION: Tun w	COLLECTOR: MANLENS	2115 OK 1 200 5 00 1 5 00 5 00 1 5 00 5 00 5 00																<i>f</i>			SAMPLE RECEIPT	TOTAL NUMBER OF CONTAINERS CHAIN OF CUSTODY SEALS Y/N/NA	SEALS INTACT? Y/N/NA	RECEIVED GOOD COND./COLD	NOTES:	
おかるはた。		0.0	DANC STREW	150 10 0 10 0 10 0 10 0 10 0 10 0 10 0	2	又 8 /	7 2 1 2 -	L R R	2 7 2	2 2 9	2 2 2 3	8 8 8	2 2 8								(1 / 0	RECEIVED BY (Signature) DATE/TIME	01 PI 7:8 A	TIME	REG	ON	Phone: 360-459-4670
SREMIND ENVINOUND	Po	360 48952 FAX:	Flu rsrawl	Sample Container Depth Time Type Type	Soil Chil		<u> </u>		7	1 1 6	- d	20											DATE/TIME	A rishing	DATE/TIME	V		1210 Eastside Street SE, Suite 200
CLIENT:	ADDRESS:	PHONE:	CLIENT PROJECT #:	Sample Number	1. Pt /	2. PT 2	3. pt	4. PTC	5. pt	To .9	£9 L	8. It	9. Pt	10.	11.	12.	13.	14.	15.	16.	17.	18.	RELINQUISHED BY (Signature)		RELINQUISHED BY (Signature)			1210 Eastside St

Olympia, Washington 98501

Fax: 360-459-3432

E-Mail: info@esnnw.com

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	8/11/2014	8/11/2014	100	nd	nd
LCS	8/11/2014	8/11/2014	108	80%	<u></u>
SP6	8/11/2014	8/11/2014	INT	8,800	nd
SP7	8/11/2014	8/11/2014	INT	8,700	nd
SP8	8/11/2014	8/11/2014	INT	10,000	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	8/8/2014	8/11/2014	pu	pu	pu	pu	pu	102
TCS	8/8/2014	8/11/2014	101%	104%	101%	104%	109%	100
LCSD	8/8/2014	8/11/2014	107%	100%	103%	1111%	-	101
SP6	8/8/2014	8/11/2014	0.04	pu	0.08	pu	pu	105
SP7	8/8/2014	8/11/2014	0.04	0.05	0.10	0.16	pu	110
SP8	8/8/2014	8/11/2014	0.20	pu	0.85	0.49	pu	109
Reporting Limits			0.02	0.05	0.05	0.15	10	

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"nd" Indicates not detected at the listed detection limits.

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ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS:65% TO 135%

Environmental Services Network ESN NORTHWEST, INC.

CHAIN-OF-CUSTODY RECORD

PAGE / OF /	TO TE FULL SIR	mer, let	DATE OF SILECTION: 8/8		10 Lab																		LABORATORY NOTES:			(Turn Around Time: 24 HR 48 HR 5 DAY	Website: www.esnnw.com E-Mail: info@esnnw.com
DATE: 8/8/2017	PROJECT NAME: FLIPTS	LOCATION: TUM VI	COLLECTOR: HAM STEW	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 0 4 0 0 0																		SAMPLE RECEIPT	TOTAL NUMBER OF CONTAINERS CHAIN OF CUSTODY SEALS Y/N/NA	SEALS INTACT? Y/N/NA	RECEIVED GOOD COND./COLD	NOTES:	
Willer WENNELTEL	loverey, lest		my 1 (mm)		20 30 15 15 15 15 15 15 15 15 15 15 15 15 15	1 2 2 2	1 0 2 2				7												RECEIVED BY (Signature) DATE/TIME	8.8.14 TOT	RECEIVED BY (Signature) DATE/TIME SEA	REC	LON	Phone: 360-459-4670 Fax: 360-459-3432
STEMBUL ENV,	2 Ray 3644	488524 FAX:	FLINDING	Sample Co	Nobel Ilme Type Type		770	:															DATE/TIME	8/8/2014 D	DATE/TIME			e 200
CLIENT:	ADDRESS:	PHONE: 360	CLIENT PROJECT #:	S IN C	1. SIL	2. 5/7	3. 508	4.	5.	6. married and a second a second and a second a second and a second	7.	80	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	RELINQUISHED BY (Signature)	+	RELINQUISHED BY (Signature)			1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	8/12/2014	8/12/2014	102	nd	nd
LCS	8/12/2014	8/12/2014	89	100%	
NEF1	8/13/2014	8/13/2014	100	nd	nd
NE2S	8/13/2014	8/13/2014	101	nd	nd
NE2S Duplicate	8/13/2014	8/13/2014	101	nd	nd
SEC	8/12/2014	8/12/2014	101	nd	nd
NEF2	8/13/2014	8/13/2014	129	nd	nd
NE1	8/13/2014	8/13/2014	96	nd	260
PI7	8/13/2014	8/13/2014	102	nd	nd
PI4-2	8/13/2014	8/13/2014	101	nd	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

	Date	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	8/12/2014	8/12/2014	pu	pu	pu	pu)G G	67) (20)
CCS	8/12/2014	8/12/2014	107%	102%	100%	108%	103%	86
CCSD	8/12/2014	8/12/2014	104%	101%	101%	103%		96
NEF1	8/12/2014	8/15/2015	0.00	pu	pu	0.40	pu	103
NE2S	8/12/2014	8/12/2014	89.0	0.19	0.33	3.0	49	66
SEC	8/12/2014	8/12/2014	0.03	pu	pu	pu	pu	108
NEF2	8/12/2014	8/15/2015	0.13	0.47	3.6	2.1	14	106
NE1	8/12/2014	8/14/2014	0.04	pu	0.07	0.64	28	107
PI7	8/12/2014	8/14/2014	0.29	1.8	0.27	1.8	35	113
PI4-2	8/12/2014	8/12/2014	pu	pu	pu	pu) u	103
PI4-2 Duplicate	8/12/2014	8/12/2014	pu	pu	pu	pu	pu	113
Reporting Limits			20.0	900	30.0	910	Ş	

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS:65% TO 135%

Services Network NORTHWEST, INC. ESN

Environmental

CHAIN-OF-CUSTODY RECORD

Note Number Turn Around Time: 24 HR 48 HR 5 DAY Laboratory of Containers otal Number COLLECTION: OF DATE OF LABORATORY NOTES: NOTES 17572N PAGE SINS ON sins Old 12017 ins Odds SAMPLE RECEIPT CHAIN OF CUSTODY SEALS Y/N/NA **OTAL NUMBER OF CONTAINERS** RECEIVED GOOD COND./COLD PROJECT NAME: Siesew S POIN COLLECTOR: SEALS INTACT? Y/N/NA LOCATION: Sleson S book DATE: NOTES: DATE/TIME DATE/TIME TOOSES JON euiloseo Hair NO \$ PRSBIO . HOLL 2 RECEIVED BY (Signature) RECEIVED BY (Signature) PLINTSTONE PROJECT MANAGER: 9 9 2 ODH-HOL BAR SISAIWNO 9 Container Type FAX: 8 2 2 Sample Type DATE/TIME DATE/TIME 478-552 2 him B 3644 Depth Time 360 RELINQUISHED BY (Signature) RELINQUISHED BY (Signature) CLIENT PROJECT #: Sample Number しとにん ADDRESS: PHONE: CLIENT: 10. 11. 12. 13. 14. 15. 16. 17. 18. 4 00 6

1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Phone: 360-459-4670 Fax: 360-459-3432

E-Mail: info@esnnw.com Website: www.esnnw.com

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Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	8/15/2014	8/15/2014	111	nd	nd
LCS	8/15/2014	8/15/2014	84	93%	
PI13	8/15/2014	8/15/2014	97	nd	nd
PI15	8/15/2014	8/15/2014	86	nd	nd
PI16	8/15/2014	8/15/2014	101	nd	nd
PI14	8/16/2014	8/16/2014	107	nd	nd
PI14 Duplicate	8/16/2014	8/16/2014	121	nd	nd
TF1	8/16/2014	8/16/2014	110	nd	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xvlenes	Gasoline Range Organics	Surrogata
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	8/14/2014	8/18/2014	pu	pu	pu	nd	(S. S.)	104
TCS	8/14/2014	8/18/2014	%86	%68	%96	93%	27%	+01 06
TCSD	8/14/2014	8/18/2014	100%	%88	%26	%96		001
PI13	8/14/2014	8/18/2014	pu	pu	pu	pu	pu	8
PI13 Duplicate	8/14/2014	8/18/2014	pu	pu	pu	pu	p d	88
P115	8/14/2014	8/18/2014	pu	pu	pu	pu	pu pu	93
P116	8/14/2014	8/18/2014	pu	pu	pu	pu	pu	87
P114	8/14/2014	8/18/2014	pu	pu	pu	pu	nd Di	87
TF1	8/14/2014	8/18/2014	pu	pu	pu	pu	pu)6 06
Reporting Limits		3	0.02	0.05	0.05	0.15	10	

[&]quot;---" Indicates not tested for component.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS:65% TO 135%

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

ESN Environmental NORTHWEST, INC. Services Network

CHAIN-OF-CUSTODY RECORD

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1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Phone: 360-459-4670 Fax: 360-459-3432

Website: www.esnnw.com E-Mail: info@esnnw.com

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	8/16/2014	8/16/2014	129	nd	nd
LCS	8/16/2014	8/16/2014	92	93%	
PI18	8/16/2014	8/16/2014	115	nd	nd
T14	8/16/2014	8/16/2014	99	62	nd
T15	8/16/2014	8/16/2014	124	nd	nd
T13	8/16/2014	8/16/2014	118	nd	nd
PI19	8/16/2014	8/16/2014	121	nd	nd
TF3	8/17/2014	8/17/2014	111	nd	nd
T18	8/17/2014	8/17/2014	112	nd	nd
TF4	8/17/2014	8/17/2014	113	nd	nd
T19	8/17/2014	8/17/2014	111	nd	nd
SP9	8/17/2014	8/17/2014	96	1500	nd
SP10	8/17/2014	8/17/2014	94	900	nd
SP11	8/17/2014	8/17/2014	137	700	nd
SP11 Duplicate	8/17/2014	8/17/2014	int	530	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington

1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

ESN Northwest

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xvlenes	Gasoline Range Organics	Surrogata
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	8/15/2014	8/18/2014	pu	pu	pu	pu	bu pu	104
TCS	8/15/2014	8/18/2014	%86	%68	%96	93%	72%	\$0 \$0
LCSD	8/15/2014	8/18/2014	100%	%88	%16	%96	;	001
PI18	8/15/2014	8/20/2014	90.0	pu	pu	0.18	pu	105
T14	8/15/2014	8/19/2014	pu	90.0	pu	pu	pu	110
T15	8/15/2014	8/18/2014	pu	pu	pu	pu	pu	86
T13	8/15/2014	8/20/2014	pu	pu	pu	pu	pu	109
T13 Duplicate	8/15/2014	8/20/2014	pu	pu	pu	pu	pu	<u> </u>
P119	8/15/2014	8/20/2014	pu	pu	pu	pu	pu	106
TF3	8/15/2014	8/20/2014	80.0	pu	pu	0.50	pu	106
T18	8/15/2014	8/20/2014	pu	pu	pu	pu	pu	103
TF4	8/15/2014	8/20/2014	pu	pu	pu	pu	pu	86
7 611	8/15/2014	8/20/2014	pu	pu	pu	pu	pu	101
SP9	8/15/2014	8/19/2014	0.03	pu	0.05	pu	pu	=======================================
SP10	8/15/2014	8/19/2014	90.0	pu	90.0	0.28	pu	109
SP11	8/15/2014	8/19/2014	0.02	pu	pu	0.19	pu	109
,								
Reporting Limits			0.02	0.05	0.05	0.15	10	

[&]quot;---" Indicates not tested for component.

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

ESN Environmental NORTHWEST, INC. Services Network

CHAIN-OF-CUSTODY RECORD

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1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Phone: 360-459-4670 Fax: 360-459-3432

Website: www.esnnw.com E-Mail: info@esnnw.com

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	8/25/2014	8/25/2014	92	nd	nd
LCS	8/25/2014	8/25/2014	79	71%	
T5	8/26/2014	8/26/2014	86	nd	nd
T19	8/26/2014	8/26/2014	81	nd	nd
T19 Duplicate	8/26/2014	8/26/2014	92	nd	nd
T21	8/26/2014	8/26/2014	87	nd	nd
TF9	8/26/2014	8/26/2014	87	nd	nd
TF7	8/26/2014	8/26/2014	97	nd	nd
TF8	8/26/2014	8/26/2014	81	nd	nd
TF6	8/26/2014	8/26/2014	86	nd	nd
T22	8/25/2014	8/25/2014	75	nd	nd
T22 Duplicate	8/25/2014	8/25/2014	68	nd	nd
T20	8/25/2014	8/25/2014	71	nd	nd
T23	8/25/2014	8/25/2014	77	nd	nd
TF10	8/25/2014	8/25/2014	72	nd	nd
TF12	8/25/2014	8/26/2014	80	nd	nd
S30	8/25/2014	8/25/2014	70	nd	nd
S31	8/25/2014	8/25/2014	79	nd	nd
S32	8/25/2014	8/25/2014	76	nd	nd
SP11	8/25/2014	8/25/2014	80	nd	nd
SP12	8/25/2014	8/25/2014	80	nd	nd
SP13	8/25/2014	8/25/2014	75	nd	nd
					IIG
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	8/24/2014	8/24/2014	nd	nd	nd	nd	nd	96
LCS	8/24/2014	8/24/2014	109%	98%	94%	107%	84%	94
LCSD	8/24/2014	8/24/2014	94%	84%	93%	95%		97
T5	8/15/2014	8/23/2014	nd	nd	nd	nd	nd	99
T19	8/15/2014	8/23/2014	nd	nd	nd	nd	nd	97
T21	8/15/2014	8/23/2014	nd	nd	nd	nd	nd	90
TF9	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	86
TF7	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	84
TF8	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	80
TF6	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	85
T22	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	94
T20	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	85
T20 Duplicate	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	81
T23	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	99
TF10	8/15/2014	8/24/2014	nd	nd	nd	nd	nd	93
TF12	8/15/2014	8/25/2014	nd	nd	nd	nd	nd	92
TF12 Duplicate	8/15/2014	8/25/2014	nd	nd	nd	nd	nd	92
S30	8/15/2014	8/25/2014	nd	nd	nd	nd	nd	94
S31	8/15/2014	8/25/2014	nd	nd	nd	nd	nd	90
S32	8/15/2014	8/25/2014	nd	nd	nd	nd	nd	88
SP11	8/15/2014	8/25/2014	nd	nd	nd	nd	nd	88
SP12	8/15/2014	8/25/2014	nd	nd	nd	0.15	nd	98
SP13	8/15/2014	8/25/2014	nd	nd	nd	nd	nd	97
Reporting Limits			0.02	0.05	0.05	0.15	10	

[&]quot;---" Indicates not tested for component.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS: 65% TO 135%

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

ESN NORTHWEST, INC.

Environmental

CHAIN-OF-CUSTODY RECORD

Services Network

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Fax: 360-459-3432

E-Mail: info@esnnw.com

CHAIN-OF-CUSTODY RECORD

Services Network Environmental

ESN NORTHWEST, INC.

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DATE: 1/15/2"4	PROJECT NAME: 16,	LOCATION: TUM WATE	COLLECTOR: MALL SALL	\$\\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			_			7		77											SAMPLE RECEIPT	TOTAL NUMBER OF CONTAINERS CHAIN OF CUSTODY SEALS Y/N/NA	SEALS INTACT? Y/N/NA	RECEIVED GOOD COND./COLD	NOTES:		
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E-Mail: info@esnnw.com

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	9/5/2014	9/5/2014	87	nd	nd
LCS	9/5/2014	9/5/2014	99	109%	
PI26	9/5/2014	9/5/2014	74	nd	nd
PI22	9/5/2014	9/5/2014	85	nd	nd
PI32	9/5/2014	9/5/2014	73	nd	nd
PI23	9/5/2014	9/5/2014	81	nd	nd
PINE	9/5/2014	9/5/2014	77	nd	nd
NEC3	9/5/2014	9/5/2014	75	nd	nd
NEC3 Duplicate	9/5/2014	9/5/2014	71	nd	nd
NF1-2	9/5/2014	9/5/2014	70	nd	nd
NF2-2	9/5/2014	9/5/2014	90	nd	nd
PI27	9/5/2014	9/5/2014	82	nd	nd
PI29-2	9/5/2014	9/5/2014	92	nd	nd
PINW	9/5/2014	9/5/2014	82	nd	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample	Date	Date	Benzene	Toluene	Ethylbenzene	Xvlenes	Gasoline Range Organics	Currogata
Number	Prepared	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Recovery (%)
Method Blank	9/8/2014	9/8/2014	pu	pu	pu	pu	pu	101
CCS	9/8/2014	9/8/2014	%88	78%	85%	85%	103%	94
CSD	9/8/2014	9/8/2014	%68	83%	82%	%68		97
PI26	8/27/2014	9/4/2014	pu	pu	pu	pu	pu	100
PI22	8/27/2014	9/8/2014	pu	pu	pu	0.18	pu	97
PI32	8/27/2014	9/8/2014	pu	pu	pu	pu	pu	93
PI23	8/27/2014	9/8/2014	pu	pu	pu	0.21	þu	66
PINE	8/27/2014	9/8/2014	pu	pu	pu	pu	pu	96
NEC3	8/27/2014	9/8/2014	pu	pu	pu	pu	pu	102
NF1-2	8/27/2014	9/8/2014	pu	pu	pu	pu	pu	107
NF2-2	8/27/2014	9/8/2014	pu	pu	pu	0.18	pu	96
PI27	8/27/2014	9/8/2014	pu	pu	pu	pu	pu	97
PI29-2	8/27/2014	9/8/2014	pu	pu	pu	pu	pu	66
PINW	8/27/2014	9/8/2014	0.05	pu	pu	pu	pu	95
Reporting Limits			0.02	0.05	0.05	0.15	10	

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS:65% TO 135%

Services Network Environmental NORTHWEST, INC.

CHAIN-OF-CUSTODY RECORD

Website: www.esnnw.com Turn Around Time: 24 HR 48 HR 5 DAY of Containers Laboratory retal Number COLLECTION: OF DATE OF LABORATORY NOTES: NOTES つるっていって PAGE 200 4 SINSON Silvs OHO sains Odds SAMPLE RECEIPT CHAIN OF CUSTODY SEALS Y/N/NA TOTAL NUMBER OF CONTAINERS RECEIVED GOOD COND./COLD PROJECT NAME: icion s to in COLLECTOR: SEALS INTACT? Y/N/NA LOCATION: DATE: NOTES: DATE/TIME DO.T DATE/TIME 1000 to 201 do enioses Hall NO \$ 185 BIG HOL RECEIVED BY (Signature) RECEIVED BY (Signature) R PROJECT MANAGER: QDH-HOL 2 SISAIWND × Container Type 9524 FAX: 2 2 Sample Type 2 DATE/TIME DATE/TIME 2014 3 Depth Time RELINQUISHED BY (Signature) RELINQUISHED BY (Signature) CLIENT PROJECT #: 7-60 Sample Number ADDRESS: PHONE: CLIENT: 12. 16. 10. 11. 13. 14. 15. 17. 6 00

Note Number

1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Phone: 360-459-4670 Fax: 360-459-3432

E-Mail: info@esnnw.com

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics	Lube Oil Range Organics
			,	(mg/kg)	(mg/kg)
Method Blank	9/3/2014	9/3/2014	91	nd	nd
LCS	9/3/2014	9/3/2014	102	101%	
PI31	9/3/2014	9/3/2014	91	nd	nd
PI35	9/5/2014	9/5/2014	82	nd	nd
PI35 Duplicate	9/5/2014	9/5/2014	89	nd	nd
PI34	9/5/2014	9/5/2014	83	nd	nd
PI36	9/5/2014	9/5/2014	78	nd	nd
PI37	9/5/2014	9/5/2014	82	nd	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	8/31/2014	8/31/2014	nd	nd	nd	nd	nd	111
LCS	8/31/2014	8/31/2014	109%	94%	100%	99%	88%	104
LCSD	8/31/2014	8/31/2014	108%	95%	92%	99%		99
PI31	8/28/2014	8/31/2014	nd	nd	nd	nd	nd	102
PI35	8/28/2014	8/31/2014	nd	nd	nd	nd	nd	108
PI34	8/28/2014	9/4/2014	0.03	nd	0.16	nd	nd	103
PI34 Duplicate	8/28/2014	9/4/2014	0.04	nd	nd	0.16	nd	102
PI36	8/28/2014	9/4/2014	nd	nd	nd	0.25	nd	100
PI37	8/28/2014	9/4/2014	nd	nd	nd	nd	nd	104
Reporting Limits			0.02	0.05	0.05	0.15	10	

[&]quot;---" Indicates not tested for component.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS : 65% TO 135%

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Environmental Services Network

CHAIN-OF-CUSTODY RECORD

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/ Zoly PAGE	RUTSTUR	Timauno	Thire Stern as	\$100 ON									GAS CARE											VERS /N/NA			Turn		
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· Arc			R: Lawi Inc.	\$ 05,11183 1308 08 305		又	2	2	2										- Z	,		~	ire)/ DATE/TIME	N 8.28.13	ire) DATE/TIME)		Phone: 360-459-4670	Fax: 360-459-3432
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October 6, 2014

Paul Stemen Stemen Environmental P.O. Box 3644 Lacey, WA 98509

Dear Mr. Stemen:

Please find enclosed the analytical data report for the Flintstone Fuel Project in Tumwater, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, and BTEX by Method 8260 on September 29, 2014.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Stemen Environmental for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we look forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec

Michaela Horose

President

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	9/26/2014	9/26/2014	102	nd	nd
LCS	9/26/2014	9/26/2014	91	69%	
PI34-2	9/26/2014	9/26/2014	107	nd	nd
PI34-2 Duplicate	9/26/2014	9/26/2014	140	nd	nd
PINW-2	9/26/2014	9/26/2014	102	nd	nd
Reporting Limits				50	*
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Soil by Method NWTPH-Gx/8260

Sample Number	Date Prepared	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline Range Organics (mg/kg)	Surrogate Recovery (%)
Method Blank	9/26/2014	9/26/2014	nd	nd	nd	nd	nd	129
LCS	9/26/2014	9/26/2014	96%	87%	93%	93%	88%	117
LCSD	9/26/2014	9/26/2014	107%	96%	102%	103%		114
PI34-2	9/26/2014	9/26/2014	nd	nd	nd	nd	nd	122
PINW-2	9/26/2014	9/26/2014	nd	nd	nd	nd	nd	126
Reporting Limits			0.02	0.05	0.05	0.15	10	

[&]quot;---" Indicates not tested for component.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS : 65% TO 135% $\,$

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

ESSN Environmental NORTHWEST, INC. Services Network

CHAIN-OF-CUSTODY RECORD

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1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Phone: 360-459-4670 Fax: 360-459-3432

Website: www.esnnw.com E-Mail: info@esnnw.com

October 16, 2014

Paul Stemen Stemen Environmental P.O. Box 3644 Lacey, WA 98509

Dear Mr. Stemen:

Please find enclosed the analytical data report for the Flintstone Fuel Project in Tumwater, Washington. Probe services were conducted on October 9, 2014. Water samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, BTEX by Method 8260, and Pb by Method 6020 on October 9-14, 2014.

The results of these analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Stemen Environmental for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we look forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec

Michael a Koroses

President

Stemen Environmental, Inc PROJECT FLINTSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Water by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (ug/L)	Lube Oil Range Organics (ug/L)
Method Blank	10/10/2014	10/10/2014	111	nd	nd
LCS	10/10/2014	10/10/2014	102	73%	
W1	10/10/2014	10/10/2014	102	nd	nd
W2	10/10/2014	10/10/2014	110	nd	nd
Reporting Limits				250	500

[&]quot;nd" Indicates not detected at the listed detection limits.

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINTSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Gasoline Range Organics & BTEX in Water by Method NWTPH-Gx/8260

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline Range Organics	Surrogate
Number	Analyzed	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	Recovery (%)
Method Blank	10/9/2014	nd	nd	nd	nd	nd	132
LCS	10/9/2014	108%	92%	101%	104%	106%	111
LCSD	10/9/2014	114%	98%	112%	108%	1 	109
W1	10/9/2014	10	1.2	nd	4.0	1300	129
W1-Duplicate	10/9/2014	9.9	1.4	nd	4.0	1600	125
W2	10/9/2014	nd	nd	nd	nd	250	127
Trip Blank	10/9/2014	nd	nd	nd	nd	nd	126
Reporting Limits		1.0	1.0	1.0	3.0	100	

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Bromoflurorbenzene) & LCS: 65% TO 135%

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc PROJECT FLINTSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Total Lead in Water by EPA-6020 Method

Sample	Date	Lead (Pb)
Number	Analyzed	(ug/L)
Method Blank	10/14/2014	nd
W1	10/14/2014	nd
W2	10/14/2014	nd

[&]quot;nd" Indicates not detected at listed detection limits.

QA/QC Data - Total Metals EPA-6020

	Labor	ratory Control	Sample	Laboratory (Control Sample	Duplicate	RPD
	Spiked Conc.	Measured Conc.	Spike Recovery	Spiked Conc.	Measured Conc.	Spike Recovery	
ead	(ug/L)	(ug/L)	(%)	(ug/L)	(ug/L)	(%)	(%)
Lead	20.0	21.7	109	20.0	21.7	109	0.00

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120% ACCEPTABLE RPD IS 35%

ESSIV Environmental NORTHWEST, INC. Services Network

CHAIN-OF-CUSTODY RECORD

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1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Phone: 360-459-4670 Fax: 360-459-3432

Website: www.esnnw.com E-Mail: info@esnnw.com

July 1, 2015

Paul Stemen Stemen Environmental P.O. Box 3644 Lacey, WA 98509

Dear Mr. Stemen:

Please find enclosed the analytical data report for the Flintstone Fuel Project in Tumwater, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended with Silica Gel Cleanup and MTCA 5 Metals by Method 8260 on June 23, 2015.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Stemen Environmental for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we look forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec

Michaela Korane

President

Stemen Environmental, Inc. PROJECT FLINTSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended with Silica Gel Clean Up

Sample	Date	Date	Surrogate	Diesel Range Organics	Lube Oil Range Organics
Number	Prepared	Analyzed	Recovery (%)	(mg/kg)	(mg/kg)
Method Blank	6/23/2015	6/23/2015	133	nd	nd
LCS	6/23/2015	6/23/2015	114	89%	
EF	6/23/2015	6/23/2015	89	nd	3200
WF	6/23/2015	6/23/2015	131	nd	780
ESW	6/23/2015	6/23/2015	99	nd	560
WSW	6/23/2015	6/23/2015	107	nd	2500
NSW	6/23/2015	6/23/2015	81	nd	8700
SSW	6/23/2015	6/23/2015	78	nd	3600
Danartina Limita				999	
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 50% TO 150%

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc.
PROJECT FLINTSTONE FUEL
Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Total Metals in Soil by EPA-6020 Series

Sample	Date	Lead (Pb)	Cadmium (Cd)	Chromium (Cr)	Arsenic (As)	Mercury (Hg)
Number	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Method Blank	6/29/2015	nd	nd	nd	nd	nd
NSW	6/29/2015	15	nd	42	nd	nd
Reporting Limits	S	5.0	1.0	5.0	5.0	0.5

QA/QC Data - Total Metals EPA-6020

Sample Numb	er: QC Batch						
		Matrix Spik	e	Mai	trix Spike Dupli	cate	RPD
	Spiked	Measured	Spike	Spiked	Measured	Spike	10.0
	Conc.	Conc.	Recovery	Conc.	Conc.	Recovery	
	(mg/kg)	(mg/kg)	(%)	(mg/kg)	(mg/kg)	(%)	(%)
Lead	96.6	89.3	92.4	91.7	85.6	93.3	1.0
Cadmium	96.6	90.9	94.1	91.7	85.2	92.9	1.3
Chromium	96.6	100	103	91.7	76.4	83.3	21.4
Arsenic	96.6	96.1	99.5	91.7	89.9	98.0	1.5
Mercury	9.66	8.67	89.8	9.17	8.25	90.0	0.2

	Labo	ratory Contro	l Sample
	Spiked	Measured	Spike
	Conc.	Conc.	Recovery
	(mg/kg)	(mg/kg)	(%)
Lead	100	82.9	82.9
Cadmium	100	91.9	91.9
Chromium	100	88.5	88.5
Arsenic	100	91.7	91.7
Mercury	10.0	8.22	82.2

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120% ACCEPTABLE RPD IS 35%

ESN NORTHWEST, INC.

Environmental Services Network

CHAIN-OF-CUSTODY RECORD

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Olympia, Washington 98501

Fax: 360-459-3432

Mydd-00 0'Clo-15 E-Mail: info@esnnw.com

July 21, 2015

Paul Stemen Stemen Environmental P.O. Box 3644 Lacey, WA 98509

Dear Mr. Stemen:

Please find enclosed the analytical data report for the Flintstone Fuel Project in Tumwater, Washington. Probe services were conducted on July 9, 2015. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended with Silica Gel Cleanup, PAH's by Method 8270, and MTCA 5 Metals by Method 6020 on July 8 - 20, 2015.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Stemen Environmental for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we look forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec

Michael a Koroce

President

Stemen Environmental, Inc. PROJECT FLINTSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended with Silica Gel Clean Up

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	7/8/2015	7/8/2015	105	nd	nd
LCS	7/8/2015	7/8/2015	120	70%	
S1	7/8/2015	7/8/2015	84	nd	nd
S2	7/8/2015	7/8/2015	89	nd	nd
S2 Duplicate	7/8/2015	7/8/2015	90	nd	nd
S3	7/8/2015	7/8/2015	111	nd	nd
S5	7/8/2015	7/8/2015	63	nd	nd
S4	7/8/2015	7/8/2015	64	nd	nd
S6	7/8/2015	7/8/2015	125	nd	nd
S7	7/8/2015	7/8/2015	85	nd	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

[&]quot;int" Indicates that interference prevents determination.

CHAIN-OF-CUSTODY RECORD

Environmental Services Network

NORTHWEST, INC. ESN

CLIENT: STEMEN ENVIRON MENTAL	シスタ	DON	として	١				DA	DATE: 7	7/8/	1 1 2		PAGE		OF		
ADDRESS:								PR	PROJECT NAME:	IME:		TIL	TSTON	FLINTSTANE FUEL	ال		
PHONE: 438-952	12		FAX:	1	Concessor			P	LOCATION:		F	MW	TUMWATCZ, WA	43			
CLIENT PROJECT #:	Companies		PROJECT MANAGER:	MANA	1	PAULS	STEMOS		COLLECTOR:		PAUL	S			DATE OF COLLECTION:	1/8/	1
Sample Number Death	I.	Sample	Container	SISA IVAND HEL	10 30 Seg Ha	10350	8 PONIUS	2808 2.	\$15,304 \$ \$2,00 \$15,304 \$ \$2,00 \$300,000 \$300,000 \$300,000 \$300,00	1.25 86	PAINS ON	Sins On		NOTES		otal Number of Containers	aboratory lote Number
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			1		X	105	7-8-15	TOTAL NU	TOTAL NUMBER OF CONTAINERS CHAIN OF CUSTODY SEALS Y/N/NA	ALS Y/N/	SS NA		X	Add-on	1/10	187	2
RELINQUISHED BY (Signature)	DATE	DATE/TIME	RECEI	RECEIVED BY (Sig	(Signature)	0	DATE/TIME	SEALS INT.	SEALS INTACT? Y/N/NA	1							
				-				RECEIVED	RECEIVED GOOD COND./COLD	O./COLD					(
			New York Control of the Control of t			>		NOTES:					Turn	Around Tim	Turn Around Time: 24 HR 48 HR 5 DAY	BHR 5D	AY
1210 Eastside Street SE, Suite 200	0					Phon	Phone: 360-459-4670	029						×	Website: www.esnnw.com	v.esnnw.c	com
Olympia, Washington 98501						Fax	Fax: 360-459-3432	32							E-Mail: mfo@esnnw.com	gesnnw.c	com

Stemen Environmental, Inc. PROJECT FLINTSTONE FUEL Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended with Silica Gel Clean Up

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	7/13/2015	7/13/2015	71	nd	nd
LCS	7/13/2015	7/13/2015	97	73%	
S9	7/13/2015	7/13/2015	106	69	220
S10	7/13/2015	7/13/2015	76	nd	240
S11	7/13/2015	7/13/2015	80	nd	nd
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

[&]quot;int" Indicates that interference prevents determination.

ESSN Environmental NORTHWEST, INC. Services Network

CHAIN-OF-CUSTODY RECORD

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CLIENT:	ADDRESS:	PHONE:	CLIENT PROJECT #:	Sample Number	50	S	8															1	RELINQUISHED BY (Signature)	1	7	RELINQUISHED BY (Signature)		1710 Fastside Street SE Suite 200
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E-Mail: info@esnnw.com

Fax: 360-459-3432

Olympia, Washington 98501

ESSN Environmental NORTHWEST, INC. Services Network

CHAIN-OF-CUSTODY RECORD

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CLIENT:	ADDRESS	PHONE:	CLIENT PROJECT #:	Sam	1. 5	2. 5	3. 5	4. 5	5. 3	9.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	RELINQUISHED BY (Signature)	9	RELINQUISHED BY (Signature)			1210 Eastside Street SE, Suite 200	Olympia, Washington 98501
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Stemen Environmental, Inc. PROJECT FLINTSTONE FUEL Tumwater, Washington ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended with Silica Gel Clean Up

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	7/14/2015	7/14/2015	90	nd	nd
LCS	7/14/2015	7/14/2015	87	64%	
S12	7/14/2015	7/14/2015	82	nd	nd
S13 -	7/14/2015	7/14/2015	84	nd	1500
S14	7/14/2015	7/14/2015	67	nd	2000
S15	7/14/2015	7/14/2015	89	nd	1500
S15-Duplicate	7/14/2015	7/14/2015	76	nd	1400
S16	7/14/2015	7/14/2015	81	nd	380
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 50% TO 150%

[&]quot;int" Indicates that interference prevents determination.

Stemen Environmental, Inc.
PROJECT FLINTSTONE FUEL
Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Diesel Range Organics & Lube Oil Range Organics in Soil by Method NWTPH-Dx Extended

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	7/16/2015	7/16/2015	86	nd	nd
LCS	7/16/2015	7/16/2015	72	61%	
S14-2	7/16/2015	7/16/2015	77	nd	210
S14-2 Duplicate	7/16/2015	7/16/2015	75	nd	230
Reporting Limits				50	100

[&]quot;nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 50% TO 150%

[&]quot;int" Indicates that interference prevents determination.

Services Network NORTHWEST, INC. ESN

Environmental

CHAIN-OF-CUSTODY RECORD

7-16-15

OF

LUNTSTURE PAGE SINS ON eains Old 121 Sins OHO SAMPLE RECEIPT CHAIN OF CUSTODY SEALS Y/N/NA TOTAL NUMBER OF CONTAINERS RECEIVED GOOD COND./COLD PROJECT NAME: siesen s polin COLLECTOR: SEALS INTACT? Y/N/NA LOCATION: Slesen S below Fede Septings of Di DATE: 28085,854 NOTES: OLTOS SING 7-15-15 DATE/TIME DATE/TIME 0828301 DOSTOSON eliloses Hall NO \$ 1858 OCHOL (Signature) RECEIVED BY (Signature) PROJECT MANAGER: ODH-Hall SISAIWNA RECEIVED BY Container Type FAX: Sample Type DATE/TIME 200 DATE/TIME PHONE: 36,438-512, Time Depth RELINQUISHED BY (Signature) RELINQUISHED BY (Signature) CLIENT PROJECT #: Sample Number ADDRESS: CLIENT: 11. 14. 15. 16. 17. 10. 12. 13. 18. m 4. 5. 6. o. 6

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DATE OF

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NOTES

1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

Phone: 360-459-4670 Fax: 360-459-3432

E-Mail: info@esnnw.com Website: www.esnnw.com

Turn Around Time: 24 HR 48 HR 5 DAY

LABORATORY NOTES:

Stemen Environmental, Inc.
PROJECT FLINTSTONE FUEL
Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Analysis of Polynuclear Aromatic Hydrocarbons in Soil by Method 8270

Analytical Results

	RL	MB	LCS	NSW	MS	MSD	RPD
Date extracted		07/16/15	07/16/15	07/16/15	07/16/15	07/16/15	
Date analyzed		07/16/15	07/16/15	07/16/15	07/16/15	07/16/15	
Moisture, %	(mg/kg)		2%				
Naphthalene	0.02	nd	77%	nd			
2-Methylnaphthalene	0.02	nd	90%	nd			
1-Methylnaphthalene	0.02	nd		nd			
Acenaphthylene	0.02	nd	99%	nd			
Acenaphthene	0.02	nd	92%	0.57	64%	76%	17%
Fluorene	0.02	nd	108%	nd			
Phenanthrene	0.02	nd	71%	nd			
Anthracene	0.02	nd	88%	nd			
Fluoranthene	0.02	nd	92%	nd			
Pyrene	0.02	nd	86%	0.73	66%	76%	14%
Benzo(a)anthracene*	0.02	nd	68%	nd			
Chrysene*	0.02	nd	99%	nd			
Benzo(b)fluoranthene*	0.02	nd	63%	nd			
Benzo(k)fluoranthene*	0.02	nd	98%	nd			
Benzo(a)pyrene*	0.02	nd	66%	nd			
Indeno(1,2,3-cd)pyrene*	0.02	nd	109%	nd			
Dibenzo(a,h)anthracene*	0.02	nd	89%	nd			
Benzo(ghi)perylene	0.02	nd	71%	nd			
Γotal Carcinogens				nd			
Surrogate recoveries:	l mei						
2-Fluorobiphenyl		142%	103%	107%	88%	100%	
p-Terphenyl-d14		95%	99%	108%	97%	103%	

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits

ns - not spiked

Results reported on dry-weight basis

Acceptable Recovery limits: 50% TO 150%

Acceptable RPD limit: 35%

^{* -} Carcinogenic Analyte

Stemen Environmental, Inc.
PROJECT FLINTSTONE FUEL
Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Total Metals in Soil by EPA-6020 Series

Sample	Date	Lead (Pb)	Cadmium (Cd)	Chromium (Cr)	Arsenic (As)	Mercury (Hg)
Number	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Method Blank	7/20/2015	nd	nd	nd	nd	nd
S4	7/20/2015	nd	nd	57	nd	nd
S5	7/20/2015	7.9	nd	24	nd	nd
S5 Duplicate	7/20/2015	8.5	nd	24	nd	nd
S11	7/20/2015	nd	nd	34	nd	nd
S13	7/20/2015	nd	nd	29	nd	nd
S15	7/20/2015	7.6	nd	35	nd	nd
Reporting Limit	S	5.0	1.0	5.0	5.0	0.5

QA/QC Data - Total Metals EPA-6020

Sample Number	er: QC Batch						
		Matrix Spik	e	Mai	rix Spike Dupli	cate	RPD
	Spiked	Measured	Spike	Spiked	Measured	Spike	-11, 2
	Conc.	Conc.	Recovery	Conc.	Conc.	Recovery	
	(mg/kg)	(mg/kg)	(%)	(mg/kg)	(mg/kg)	(%)	(%)
Lead	96.6	92.5	95.8	90.5	81.8	90.4	5.8
Cadmium	96.6	97.1	101	90.5	93.5	103	2.7
Chromium	96.6	97.9	101	90.5	96.2	106	4.8
Arsenic	96.6	100	103	90.5	95.0	105	1.8
Mercury	9.66	9.81	102	9.05	8.56	94.6	7.1

	Labo	ratory Contro	l Sample
	Spiked Conc.	Measured Conc.	Spike Recovery
	(mg/kg)	(mg/kg)	(%)
Lead	100	84.4	84.4
Cadmium	100	104	104
Chromium	100	92.8	92.8
Arsenic	100	105	105
Mercury	10.0	8.41	84.1

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120% ACCEPTABLE RPD IS 35%

Stemen Environmental, Inc.
PROJECT FLINTSTONE FUEL
Tumwater, Washington

ESN Northwest 1210 Eastside Street SE Suite 200 Olympia, WA 98501 (360) 459-4670 (360) 459-3432 Fax lab@esnnw.com

Total Metals in Soil by EPA-6020 Series

Sample	Date	Lead (Pb)	Cadmium (Cd)	Chromium (Cr)	Arsenic (As)	Mercury (Hg)
Number	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Method Blank	7/20/2015	nd	nd	nd	nd	nd
S4	7/20/2015	nd	nd	57	nd	nd
S5	7/20/2015	7.9	nd	24	nd	nd
S5 Duplicate	7/20/2015	8.5	nd	24	nd	nd
S11	7/20/2015	nd	nd	34	nd	nd
S13	7/20/2015	nd	nd	29	nd	nd
S15	7/20/2015	7.6	nd	35	nd	nd
Reporting Limit	S	5.0	1.0	5.0	5.0	0.5

QA/QC Data - Total Metals EPA-6020

		Matrix Spik	te	Mat	rix Spike Dupli	cate	RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Lead	96.6	92.5	95.8	90.5	81.8	90.4	5.8
Cadmium	96.6	97.1	101	90.5	93.5	103	2.7
Chromium	96.6	97.9	101	90.5	96.2	106	4.8
Arsenic	96.6	100	103	90.5	95.0	105	1.8
Mercury	9.66	9.81	102	9.05	8.56	94.6	7.1

	Labo	ratory Contro	l Sample
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead	100	84.4	84.4
Cadmium	100	104	104
Chromium	100	92.8	92.8
Arsenic	100	105	105
Mercury	10.0	8.41	84.1

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120% ACCEPTABLE RPD IS 35%

Environmental Services Network ESNNORTHWEST, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: STEWNS N	ENVIRON	STEMEN ENVINORINGENTAL	ļ	DATE: (122-120)	PAGE / OF /
ADDRESS: Popo	Po Box 3644	My when	W	CT NAME:	D
PHONE: 340 438-952		FAX:		1	1. A.
CLIENT PROJECT #: FLWTSTD FE PROJECT MANAGER:	J. STOVE PI	1	me Stone	OR: Parise	DATE OF STATES
Sample Number Depth Ti	Sample Co	16/05/3/6	100 to 30 to	\$ 0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Edition of the containers of t
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RELINCUISHED BY Signature)	-	RECEIVED IN Signature)	ME	SEALS INTACT? Y/N/NA	SUKKED
`				RECEIVED GOOD COND./COLD	
1210 Exercise Street CT				TES:	Turn Around Time: 24 HR (8 HR) 5 DAY
izzu eastside street st, suite 200 Olympia, Washington 98501			Phone: 360-459-4670 Fax: 360-459-3432		WAdd an 6-26-15 Website: www.esnnw.com

ESIV Environmental NORTHWEST, INC. Services Network

CHAIN-OF-CUSTODY RECORD

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DATE: 6/22/2016	T NAME:	LOCATION:	OR:	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 00 12 100 100 100 100 100 100 100 100			(X														SAMPLE RECEIPT	TOTAL NUMBER OF CONTAINERS CHAIN OF CUSTODY SEALS Y/N/NA	SEALS INTACT? Y/N/NA	RECEIVED GOOD COND./COLD	NOTES:	
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I MENTA	Willy 1 W	FAX:	13	16/05/04	2,	22	2	2	2		Control of							The state of the s				RECEIVED BY (Signature)	7	RECEIVED IN Signature)			
STEMEN ENVIRONMENTA	Po Box 31.44	12/	LINTSTOREP	Sample C		181	N.	7,	>	harana and a same and												DATE/TIME	U/20/2018	/ DAFE/TIME			0
CLIENT: STEINIG	ADDRESS: PD	PHONE: 340 738-91	CLIENT PROJECT #: FLINT STOPE PROJECT MANAGER:	Sample Number		650	WSW	W.S.U	6. 85W IY!	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	RELINQUISHED BY (* gnature)	4 124	RELINOUISHED BY (Signature)		200 - 41 2 TO 40004 2 Object 2010	1210 Eastside Street SE, Suite 200 Olympia, Washington 98501

APPENDIX D PROPERTY INFORMATION

Date: 11/23/2016

Thurston County Assessor

Parcel Number: 12829130201

2840 BLACK LAKE BLVD SW

Sect/Town/Range: 29 18 2W

Owner:

Situs Address:

BLACK LAKE QUARRY LLC

Address:

2840 BLACK LAKE BLVD SW TUMWATER, WA 98512

9.10 Acres

Taxpayer: Address:

BLACK LAKE QUARRY LLC 2840 BLACK LAKE BLVD SW TUMWATER, WA 98512

TCA Number: 440 Neighborhood: 62R1 Property Type:

Taxable:

IND YES

Abbreviated Legal:

Active Exemptions: None

School District: TUMWATER S.D. #33

Section 29 Township 18 Range 2W Quarter SW NE BLA037453TW TR A Document 3593259

				Market \	Values					
Tax Year Assessment Year	2017 2016	2016 2015	2015 2014	2014 2013	2013 2012	2012 2011	2011 2010		2009 2008	2008 2007
Market Value Land Market Value Buildings Market Value Total	\$381,500 \$118,000 \$499,500	\$111,800	\$372,250 \$114,400 \$486,650	\$372,250 \$115,400 \$487,650	\$109,500	\$112,800		\$116,400	\$124,300	\$104,200

Commercial Structures

Building OFFICE

Year Built Floor 1979

1

Square Feet 864

No. Floors

Total Sq. Ft. 864

Quality LOW-COST Condition AVERAGE

864

Detached Structures					
Structure	Year Built	Square Feet	Quality	Condition	
SHOP	1979	1760	FAIR	AVERAGE	
GEN-PUR-BLDG	1979	1680	FAIR	AVERAGE	
MACHINE-SHED	1979	1440	FAIR	POOR	
MACHINE-SHED	1979	960	FAIR	POOR	

Land Characteristics

Land Flag Lot Square Footage Lot Acreage **Effective Frontage Effective Depth**

Water Source

Sewer Source

8040 396536 9.1 Not Listed Not Listed Not Listed Not Listed

Land Influence(s)

SP-SHAPE ST-STEEP-TOPO RS-RESTRICTIONS PS-PART IMPRVD SITE

Sales

Sale Date: Price:

08/21/2015

08/21/2015 \$750,000 527822

12/19/2013

Excise: Sale Type: **Recording Number:**

QUIT CLAIM DEED 4461476

STATUTRY WARNTY DEED 4461477

376649 QUIT CLAIM DEED 4373408

Seller:

BLACK LAKE QUARRY LLC

WOOD MICHAEL BLACK LAKE QUARRY LLC WOOD MIKE & KARMON WOOD MICHAEL

Buyer: **Multiple Parcel Sale:**

Sale Date: Price: Excise: Sale Type: 05/29/2008 \$1,785,000 505017

05/29/2008

505015

05/29/2008 505016

http://tcproperty.co.thurston.wa.us/propsql/basic_p.asp?pn=12829130201

Recording Number:

SPECIAL WARRNTY DEED

QUIT CLAIM DEED 4013806

QUIT CLAIM DEED 4013807

Seller: Buyer: 4013808

JONES WILLIAM

WOOD MIKE & KARMON

WOOD MIKE & KARMON

WOOD MIKE & KARMON

Multiple Parcel Sale:

Sale Date: Price:

Excise:

02/20/2004

02/20/2004

321140 QUIT CLAIM DEED 321141

Sale Type: Recording Number:

3619108

QUIT CLAIM DEED

3619109

Seller:

Multiple Parcel Sale:

FLINTSTONE FUEL INC

FLINTSTONE FUEL INC

The Assessor's Office maintains property records on approximately 112,000 parcels in Thurston County for tax purposes. Though records are updated regularly, the accuracy and timeliness of published data cannot be guaranteed. Any person or entity that relies on information obtained from this website does so at his or her own risk. Neither Thurston County nor the Assessor will be held liable for damage or losses caused by use of this information. All critical information should be independently verified.

Office of the Assessor

Steven J. Drew, Assessor

2000 Lakeridge Drive SW - Olympia, WA 98502

Customer Service (360)867-2200 -- Fax (360)867-2201 -- TDD (360)754-2933



APPENDIX E

WASTE DISPOSAL
AUTHORIZATION, WASTE
DISPOSAL RECEIPTS
PETROLEM CONTAMINATED
WATERD DISPOSAL RECEIPTS,
TANK RECYCLING RECEIPTS,
AND PERMITS

WASTE ACCEPTANCE APPLICATION CONTAMINATED SOILS, DREDGE SPOILS, AND DEBRIS

(Complete an application for each waste)

Conta	ss: 76 1504 3644 Material Number ss: tate/Zip: Lacky, wh 98509 ct: Tip Fee per ton \$20 Tow
1.	Project Address:
2.	Charge Account number
	Nominal quantity (ton or CY per day) 300 TONS ADAY—
	Source Type "1" thru "4" (see Acceptance Process)
5.	Waste current location: 2840 - BLACKLAKE BLUD. ; TUMLATOR , WA.
6.	Waste original location: 2840 - C BLA CK LYKE 192VD TUM WATER, WA
7.	Please give a detail description of activities which occurred on or near soils original location which may have impacted the soils. LEAKING UPPERENOUND GASOLINE DESSE FUEL STORAGE LE
8.	Analysis Guidelines for Contaminated Soils, Debris, and Dredge Spoils :

Waste Oils and Unknown Oils:

Analyze waste by NWTPH-Gx & NWTPH-Dx to identify contaminants. Additional testing will be required based on these results.

Gasoline Range Organics (C6 - C12):

Analyze waste by NWTPH-Gx.

Analyze waste for BTEX compounds with EPA Method 8021 or 8260.

If TPH > 5000 ppm, analyze waste for TCLP metals.

If TPH > 5000 ppm analyze waste by 8240 and 8270.

Diesel Range Organics (C12 - C24):

Analyze waste by NWTPH-Dx.

If TPH>5000 ppm, analyze waste for TCLP metals.

If TPH>5000 ppm, analyze waste by EPA Method 8240 and 8270.

Heavy Oil Organics (> C24):

Analyze waste for heavy fuel by NWTPH-Dx.

Analyze waste for PCB's by EPA Method 8082 when there is a potential the PCB's may be present.

If TPH>5000 ppm, analyze waste for TCLP metals.

If TPH>5000 ppm, analyze waste by EPA Method 8240 and 8270.

9.	List of	possible additional analysis. Selected items depend on potential ninants, available analytical, and generator knowledge of process and/or
	history	
	d.	(iii) [pH]. Waste has been analyzed and is non-toxic per WAC 173-303-090(8) [TCLP
	e.	Waste has been analyzed and is non-toxic per WAC 173-303-090(8) [TCLP
	f.	Waste has been analyzed and is non-toxic per WAC 173-303-090(8) [TCLP analysis for acids/hase neutrals].
	g.	Waste has been analyzed and is non-toxic per WAC 1/3-303-090(8) [ICLP
	☐ h.	hierosov only)
	☐ i.	Waste has been analyzed and is non-persistent per WAC 173-303-102 [PAH only].
	j.	Waste has been analyzed and contains less than 2 ppm PCB's per EPA Method 8082.
	X k.	Waste has been analyzed for diesel and/or heavy oil range organics per NWTPH-Dx. Waste has been analyzed for gasoline range organics per NWTPH-Gx.
		Waste has been analyzed for gasoline range organics per two waste has been analyzed for BTEX per EPA Methods 8021 or 8260. Chain of custody and lab analytical data for required waste analyses is attached.
	По.	Other

10. Customer certifies that:

- The waste sampled and intended for disposal under this certification is neither dangerous nor extremely hazardous waste as determined by WAC 173-303.
- The waste has no free liquids per WAC 173-303-110(3) (c) (i).
- To the best of its knowledge, there have been no alterations to the waste that would affect the accuracy of the analyses performed above.
- d. There have been no material changes in the character of the waste after the analyses were performed which would render those analyses inaccurate.

The samples analyzed are representative of the waste to be tendered to the Cowlitz County Headquarters Landfill for disposal.

Signature of Authorized Agent

PAUL W. STEMEN VICE PRESIDENT LEAS CONSULTING

Printed Name and Title of Authorized Agent

From 8/1/2014 to 8/31/2014

Totals by Date

Day of Week	Date	Count	Weight	Tip Fee	Spec Fee	Tax Fee	Total Fee
Monday	8/4/2014	4	120.36	\$2,407.20	\$0.00	\$0.00	
Tuesday	8/5/2014	8	233.84	\$4,676.80	.\$0.00	\$0.00	\$2,407.20
Wednesday	8/6/2014	2	54.92	\$1,098.40	\$0.00	\$0.00	\$4,676.80
Thursday	8/7/2014	13	374.23	\$7,484.60	\$0.00	201 #30 Page 2010/00-01	\$1,098.40
Friday	8/8/2014	7	198.29	\$3,965.80	\$0.00	\$0.00	\$7,484.60
Monday	8/11/2014	9	256.59	\$5,131.80		\$0.00	\$3,965.80
Tuesday	8/12/2014	. 14	390.67		\$0.00	\$0.00	\$5,131.80
Wednesday	8/13/2014	10	282.76	\$7,813.40	\$0.00	\$0.00	\$7,813.40
Thursday	8/14/2014	9	20.00.00.00.00.00.00.00.00	\$5,655.20	\$0.00	\$0.00	\$5,655.20
Friday	8/15/2014	5	247.56	\$4,951.20	\$0.00	\$0.00	\$4,951.20
Monday	8/18/2014		137.87	\$2,757.40	\$0.00	\$0.00	\$2,757.40
		14	380.48	\$7,609.60	\$0.00	\$0.00	\$7,609.60
Tuesday	8/19/2014	5	128.79	\$2,575.80	\$0.00	\$0.00	\$2,575.80
Tuesday	8/26/2014	3	81.58	\$1,631.60	\$0.00	\$0.00	\$1,631.60
Wednesday	8/27/2014	12	329.90	\$6,598.00	\$0.00	\$0.00	\$6,598.00
Thursday	8/28/2014	9	247.67	\$4,953.40	\$0.00	\$0.00	\$4,953.40
Friday 	8/29/2014	6	168.39	\$3,367.80	\$0.00	\$0.00	\$3,367.80
Totals		130	3633.90	\$72,678.00	\$0.00	\$0.00	\$72,678.00

Totals by Category

Trar	saction	Details `						- Weights			_	
Site	Date	Time	Trans #	Truck	Trlr	Material Type	Gross					S
LF	8/4/2014	12:36:00 PM	440000	7000			Gioss	Tare	Net Rate\$	Tip \$	Spec \$	Total \$
LF				7639	0	57=PCS 4	48.35	19.17	29.18 \$20.00	\$583.60	\$0.00	\$583.60
LF		12:44:00 PM		7639	0	57=PCS 4	49.95	19.70	30.25 \$20.00	\$605.00	\$0.00	\$605.00
	8/4/2014	1:06:00 PM		7639	0	57=PCS 4	49.79	19.77	30.02 \$20.00	\$600.40	\$0.00	\$600:40
LF	8/4/2014	1:07:00 PM	440990	7639	0	57=PCS 4	51.53	20.62	30.91 \$20.00	\$618.20	\$0.00	\$618.20
LF	8/5/2014 1	12:17:00 PM	441005	7639	0	57=PCS 4	47.54	12.90	34 64 620 00	\$ 000.00		
LF	8/5/2014 1	12:27:00 PM	441006	7639	0	57=PCS 4	48.11	19.17	34.64 \$20.00	\$692.80	\$0.00	\$692.80
LF	8/5/2014 1	2:27:00 PM	441007	7639	0	57=PCS 4	49.20		28.94 \$20.00	\$578.80	\$0.00	\$578.80
LF	8/5/2014 1	2:28:00 PM	441008	7639	0	57=PCS 4		19.77	29.43 \$20.00	\$588.60	\$0.00	\$588.60
LF		2:29:00 PM		7639	0	57=PCS 4	46.62	19.77	26.85 \$20.00	\$537.00	\$0.00	\$537.00
LF		2:30:00 PM		7639	0	57=PCS 4	48.52	19.70	28.82 \$20.00	\$576.40	\$0.00	\$576.40
LF		2:32:00 PM		7639	-		46.46	19.17	27.29 \$20.00	\$545.80	\$0.00	\$545.80
LF		2:33:00 PM		7.0	0	57=PCS 4	48.02	19.17	28.85 \$20.00	\$577.00	\$0.00	\$577.00
_,	0/0/2014 1	2.55.00 FIVI 4	44 10 12	7639	0	57=PCS 4	49.64	20.62	29.02 \$20.00	\$580.40		\$580.40
LF	8/6/2014	7:05:00 AM	441055	7639	0	57=PCS 4	47.00	19.77	27.22 620.00	0500		
LF	8/6/2014	7:24:00 AM 4	141065	7639	0	57=PCS 4			VIEW TOWNS HOUSE WAS STONE		\$0.00	\$544.60
LF	0/7/004444					07 1 00 4	48.31	20.62	27.69 \$20.00	\$553.80	\$0.00	\$553.80
		2:36:00 PM 4		7639	0	57=PCS 4	48.12	19.18	28.94 \$20.00	\$578.80	\$0.00	\$570 on
LF	8///2014 12	2:37:00 PM 4	41117	7639	0	57=PCS 4	50.17	22.16	reservation II	01 1090 100a04045		\$578.80 \$560.20

Account: 7639

STEMEN ENVIRONMENTAL

9/4/2014 3:52:53 PM

From 8/1/2014 to 8/31/2014

	saction D							Weights -			Fees	
Site	Date	Time	Trans #			Material Type	Gross	Tare	Net Rate\$	Tip \$	Spec \$	Total \$
LF		4 12:38:00				57=PCS 4	50.50	0 19.17	31.33 \$20.00	\$626.60	\$0.00	
LF		4 12:39:00				57=PCS 4	47.9	5 20.62	27.33 \$20.00			\$546.6
LF		12:40:00				57=PCS 4	47.87	7 19.17	28.70 \$20.00			\$574.0
LF		12:40:00				57=PCS 4	47.60	19.17	28.43 \$20.00			\$568.6
LF		1 12:41:00				57=PCS 4	49.42	19.01	30.41 \$20.00			\$608.2
LF		12:42:00				57=PCS 4	48.56		29.38 \$20.00		W. 1200.200	\$587.6
LF		12:42:00				57=PCS 4	51.89		29.73 \$20.00		\$0.00	\$594.6
LF		12:43:00 F				57=PCS 4	48.33		26.17 \$20.00		\$0.00	\$523.4
LF		12:44:00 F			0	57=PCS 4	46.09		26.92 \$20.00		\$0.00	
LF		12:47:00 F			0	57=PCS 4	47.82	90505050	28.81 \$20.00			\$538.4
LF	8/7/2014	12:48:00 F	PM 44112	8 7639	0	57=PCS 4	49.24		30.07 \$20.00		\$0.00 \$0.00	\$576.2 \$601.4
LF		1:49:00 F			0	57=PCS 4	47.40	19.17	28.23 \$20.00	\$564.60	00.00	CEC 4 C
LF	8/8/2014	1:51:00 F	PM 441184	7639	0	57=PCS 4	48.22		29.04 \$20.00		\$0.00	\$564.6
LF	8/8/2014	1:52:00 F	M 44118	7639	0	57=PCS 4	49.00		26.84 \$20.00		\$0.00	\$580.8
LF	8/8/2014	1:53:00 P	M 441186	7639	0	57=PCS 4	49.24		30.06 \$20.00		\$0.00	\$536.8
LF	8/8/2014	1:57:00 P	M 441187	7639	0	57=PCS 4	48.83				\$0.00	\$601.2
LF	8/8/2014	1:58:00 P	M 441188	7639	0	57=PCS 4	50.09		29.66 \$20.00		\$0.00	\$593.2
LF	8/8/2014	2:00:00 P	M 441189	7639	0	57=PCS 4	45.71	19.18	27.93 \$20.00 26.53 \$20.00		\$0.00 \$0.00	\$558.6 \$530.6
LF	8/11/2014	1:57:00 P	M 441251	7639	0	57=PCS 4	49.03	10.10	30 85 #30 aa	0507.00		
LF	8/11/2014				0	57=PCS 4	47.29	19.18	29.85 \$20.00		\$0.00	\$597.0
LF	8/11/2014				0	57=PCS 4		19.17	28.12 \$20.00		\$0.00	\$562.4
LF	8/11/2014				0	57=PCS 4	50.01	19.59	30.42 \$20.00		\$0.00	\$608.4
LF	8/11/2014				0	57=PCS 4	47.12	19.77	27.35 \$20.00		\$0.00	\$547.0
_F	8/11/2014				0	57=PCS 4	49.31	22.16	27.15 \$20.00		\$0.00	\$543.00
_F	8/11/2014				0	57=PCS 4	48.07	19.17	28.90 \$20.00		\$0.00	\$578.00
_F	8/11/2014				0	57=PCS 4	48.79	22.16	26.63 \$20.00		\$0.00	\$532.60
F	8/11/2014				0	57=PCS 4	47.05	19.18	27.87 \$20.00		\$0.00	\$557.40
_					U	37-2034	50.07	19.77	30.30 \$20.00	\$606.00	\$0.00	\$606.00
.F	8/12/2014				0	57=PCS 4	47.33	19.77	27.56 \$20.00	\$551.20	\$0.00	\$551.20
.F	8/12/2014				0	57=PCS 4	48.06	22.16	25.90 \$20.00		\$0.00	
.F	8/12/2014				0	57=PCS 4	48.19	19.17	222	\$580.40		\$518.00
F.	8/12/2014				0	57=PCS 4	48.72	19.77	28.95 \$20.00		\$0.00	\$580.40
F	8/12/2014				0	57=PCS 4	47.66	22.16	25.50 \$20.00		\$0.00	\$579.00
F	8/12/2014				0	57=PCS 4	49.06	19.17	29.89 \$20.00		\$0.00	\$510.00
F	8/12/2014				0	57=PCS 4	47.36	19.18	28.18 \$20.00		\$0.00	\$597.80
F	8/12/2014				0	57=PCS 4	47.42	19.77			\$0.00	\$563.60
F	8/12/2014	2:50:00 PM	1 441321	7639	0	57=PCS 4	47.96	22.16	27.65 \$20.00		\$0.00	\$553.00
F	8/12/2014	2:51:00 PN	1 441322	7639	0	57=PCS 4	48.60	19.17	25.80 \$20.00		\$0.00	\$516.00
F	8/12/2014	2:51:00 PM	441323	7639	0	57=PCS 4	47.08		29.43 \$20.00		\$0.00	\$588.60
F	8/12/2014				0	57=PCS 4	48.53	19.18	27.90 \$20.00		\$0.00	\$558.00
=	8/12/2014				0	57=PCS 4		19.77	28.76 \$20.00		\$0.00	\$575.20
=	8/12/2014				0	57=PCS 4	45.73 48.75	19.18 19.17	26.55 \$20.00 29.58 \$20.00		\$0.00 \$0.00	\$531.00
=	8/13/2014	1:27:00 PM	441351	7639	0	57=PCS 4	47.95	19.77	28.18 \$20.00			\$591.60
	8/13/2014				0	57=PCS 4	48.31	19.18	29.13 \$20.00		¥10.00 (10.00)	\$563.60
	8/13/2014				0	57=PCS 4	49.85	22.16	27.69 \$20.00			\$582.60
	8/13/2014				0	57≐PCS 4	48.11	19.17				\$553.80
	8/13/2014 1	:37:00 PM	441355	7639	0	57=PCS 4	47.35	19.17	28.94 \$20.00 \$ 28.17 \$20.00 \$			\$578.80
	unt: 7639			N ENVII			41.00	13.10	20.17 DZU.UU S	5553 40	\$0.00	\$563.40

From 8/1/2014 to 8/31/2014

Site	nsaction [-		<u></u>			- Weights			Fees	
	Date	Time	Trans #	Truck	Trlr	Material Type	Gross	Tare	Net Rate	\$ Tip \$	Spec \$	Total \$
LF		4 2:03:00			0	57=PCS 4	48.33	19.17	29.16 \$2	0.00 \$583.2	0 \$0.00	
LF	149 2004070707	4 2:04:00			0	0. 100 1	48.52	22.16		0.00 \$527.2		
LF LF		4 2:06:00			0	57=PCS 4	47.36	19.18		0.00 \$563.6		
LF		4 2:06:00			0	57=PCS 4	48.41	19.77		0.00 \$572.80		\$572.8
	6/13/201	4 2:10:00	PM 44136	0 7639	0	57=PCS 4	47.48	19.17		0.00 \$566.20		\$566.2
LF		4 11:17:00 /			0	57=PCS 4	47.36	19.77	27.59 \$20	0.00 \$551.80	\$0.00	
LF		4 11:18:00 /			0	57=PCS 4	47.59	19.18		.00 \$568.20		\$551.8
LF		11:19:00			0	57=PCS 4	48.19	22.16		.00 \$520.60		\$568.2
LF		11:19:00			0	57=PCS 4	48.61	22.16		.00 \$529.00		\$520.6 \$529.0
LF		11:21:00			0	57=PCS 4	48.23	19.17		.00 \$581.20		\$529.0
LF		11:23:00 A			0	57=PCS 4	48.46	19.77		.00 \$573.80		\$573.80
LF		12:05:00 F			0	57=PCS 4	47.55	20.00		.00 \$551.00		\$551.00
LF		1:30:00 F			0	57=PCS 4	47.74	19.17		00 \$571.40		\$571.40
LF		1:31:00 F			0	57=PCS 4	47.37	22.16		00 \$504.20		\$504.20
LF		8:58:00 A			0	57=PCS 4	45.83	20.00	25.83 \$20	00 \$516.60	\$0.00	
LF		8:59:00 A			0	57=PCS 4	49.02	19.77		00 \$585.00	\$0.00	\$516,60
LF		9:00:00 A			0	57=PCS 4	48.67	22.16		00 \$530.20	\$0.00	\$585.00
LF		9:00:00 A			0	57=PCS 4	47.63	19.17		00 \$569.20	\$0.00	\$530.20
LF	8/15/2014	9:03:00 A	M 441456	7639	0	57=PCS 4	47.59	19.77		00 \$556.40	\$0.00	\$569.20 \$556.40
LF		12:32:00 P			0	57=PCS 4	46.07	19.77		00 \$526.00		
LF		12:33:00 PI			0	57=PCS 4	47.02	20.00		00 \$540.40	\$0.00	\$526.00
LF		12:33:00 PI			0	57=PCS 4	46.29	20.00		00 \$540.40	\$0.00	\$540.40
LF		12:34:00 PI			0	57=PCS 4	47.30	22.16		00 \$502.80	\$0.00	\$525.80
LF	8/18/2014				0	57=PCS 4	47.93	19.17	28.76 \$20.0		\$0.00	\$502.80
LF	8/18/2014				0	57=PCS 4	46.56	19.18	27.38 \$20.0		\$0.00	\$575.20
_F	8/18/2014				0	57=PCS 4	46.13	19.77	26.36 \$20.0		\$0.00	\$547.60
_F _	8/18/2014				0	57=PCS 4	46.07	19.18	26.89 \$20.0		\$0.00	\$527.20
.F	8/18/2014				0	57=PCS 4	49.42	22.16	27.26 \$20.0		\$0.00	\$537.80
F.	8/18/2014				0	57=PCS 4	47.28	19.17	28.11 \$20.0		\$0.00	\$545.20
.F	8/18/2014 1				0	57=PCS 4	49.86	20.00	29.86 \$20.0		\$0.00	\$562.20
.F	8/18/2014 1				0	57=PCS 4	47.86	19.77	28.09 \$20.0		\$0.00	\$597.20
F	8/18/2014 1				0	57=PCS 4	47.40	22.16	25.24 \$20.0		\$0.00	\$561.80
F	8/18/2014 1	2:46:00 PN	441472	7639	0	57=PCS 4	46.95	19.17	27.78 \$20.0		\$0.00 \$0.00	\$504.80 \$555.60
F	8/19/2014	7:24:00 AM	441515	7639	0	57=PCS 4	45.17	19.18				
F	8/19/2014	7:27:00 AM	441516	7639	0	57=PCS 4	46.08	19.77	25.99 \$20.0		\$0.00	\$519.80
F	8/19/2014				0	57=PCS 4	45.22	22.16	26.31 \$20.0		\$0.00	\$526.20
F	8/19/2014				0	57=PCS 4	46.64	19.17	23.06 \$20.0		120200000	\$461.20
F	8/19/2014	8:25:00 AM	441523	7639	0	57=PCS 4	45.96	20.00	27.47 \$20.00 25.96 \$20.00			\$549.40
F	8/26/2014 12	2:34:00 PM	441754	7639	0	57=PCS 4					\$0.00	\$519.20
=	8/26/2014 12					57=PCS 4	48.64	19.17	29.47 \$20.00		\$0.00	\$589.40
=	8/26/2014 12					57=PCS 4	46.58 47.46	19.77	26.81 \$20.00			\$536.20
	8/27/2014 1						47.46	22.16	25.30 \$20.00	\$506.00	\$0.00	\$506.00
	8/27/2014 1					57=PCS 4	48.35	19.77	28.58 \$20.00	\$571.60	\$0.00	\$571.60
	8/27/2014 1					57=PCS 4	47.72	22.16	25.56 \$20.00		W3000000000000000000000000000000000000	\$511.20
	8/27/2014 1					57=PCS 4	47.34	19.17	28.17 \$20.00			\$563.40
		.55.50 PIVI				57=PCS 4	47.19	19.17	28.02 \$20.00			\$560.40
~UCO	unt: 7639		STEME	N ENVIR	DNMEN	TAL	9/4	/2014 3:5:		abosema fili di Te	Pa	

From 8/1/2014 to 8/31/2014

Tran	saction De	<u>etails</u>						Weights			Fees	
Site	Date	Time	Trans #	Truck	Trlr	Material Type	Gross	Tare	Net Rate\$	Tip \$	Spec \$	Total \$
LF	8/27/2014	2:00:0	0 PM 441802	7639	0	57=PCS 4	47.54	19.77	27.77 \$20.00			\$555.40
LF	8/27/2014	2:00:0	DPM 441803	7639	0	57=PCS 4	49.93		27.77 \$20.00	\$555.40	2.500,000	\$555.40
LF	8/27/2014	2:04:00	DPM 441804	7639	0	57=PCS 4	49.24		29.47 \$20.00	\$589.40		1900 100 100 100 100 100 100 100 100 100
LF	8/27/2014	2:04:00	PM 441805	7639	0	57=PCS 4	48.08	22.16	25.92 \$20.00	\$518.40		\$589.40
LF	8/27/2014	2:05:00	PM 441806	7639	0	57=PCS 4	48.08	19.17	28.91 \$20.00		,	\$518.40
LF	8/27/2014	2:06:00	PM 441807	7639	0	57=PCS 4	47.24	10	27.47 \$20.00			\$578.20
LF	8/27/2014	2:07:00	PM 441808	7639	0	57=PCS 4	47.21	22.16	25.05 \$20.00	\$549.40		\$549.40
LF	8/27/2014	2:08:00	PM 441809	7639	0	57=PCS 4	46.38	19.17	27.21 \$20.00	\$501.00 \$544.20	\$0.00 \$0.00	\$501.00 \$544.20
LF	8/28/2014	8:49:00	AM 441832	7639	0	57=PCS 4	46.70	22.16	24.54 \$20.00	\$490.80	\$0.00	\$490.80
LF	8/28/2014	8:58:00	AM 441833	7639	-0.	57=PCS 4	48.53	19.77	28.76 \$20.00	\$575.20	\$0.00	\$575.20
LF	8/28/2014	8:58:00	AM 441834	7639	0	57=PCS 4	47.34	19.17	28.17 \$20.00	\$563.40	\$0.00	\$563.40
LF	8/28/2014	1:49:00	PM 441850	7639	0	57=PCS 4	47.78	19.77	28.01 \$20.00	\$560.20	\$0.00	\$560.20
LF	8/28/2014	1:51:00	PM 441851	7639	0	57=PCS 4	48.97	19.17	29.80 \$20.00	\$596.00	\$0.00	\$596.00
LF	8/28/2014	1:52:00	PM 441852	7639	0	57=PCS 4	46.92	22.16	24.76 \$20.00	\$495.20	\$0.00	\$495.20
LF	8/28/2014	1:53:00	PM 441853	7639	0	57=PCS 4	48.37	19.77	28.60 \$20.00	\$572.00	\$0.00	\$572.00
LF	8/28/2014	1:54:00	PM 441854	7639	0	57=PCS 4	47.74	19.17	28.57 \$20.00	\$571.40	\$0.00	self-record and
LF	8/28/2014	2:20:00	PM 441860	7639	0	57=PCS 4	48.62	22.16		\$529.20	\$0.00	\$571.40 \$529.20
LF	8/29/2014 1	12:16:00	PM 441905	7639	0	57=PCS 4	49.11	19.17	20.04 \$20.00	# 500.00		
LF				7639	0	57=PCS 4	48.52	19.17	122120000000000000000000000000000000000	\$598.80	\$0.00	\$598.80
LF				7639	0	57=PCS 4	45.90			\$587.00	\$0.00	\$587.00
LF				7639	0	57=PCS 4	50.52	22.16		\$474.80	\$0.00	\$474.80
LF			Laboration of the second of the	7639	0	57=PCS 4		19.77		\$615.00	\$0.00	\$615.00
LF				7639	0	57=PCS 4	47.00 49.54	19.77 22.16		\$544.60 \$547.60	\$0.00 \$0.00	\$544.60 \$547.60

From 2/1/2015 to 2/28/2015

Totals by Date

Day of Week	Date	Count	Weight	Tip Fee	Spec Fee	Tax Fee	Total Fee
Wednesday	2/11/2015	1	31.91	\$638.20	\$0.00	\$0.00	\$638.20
Totals		1	31.91	\$638.20	\$0.00	\$0.00	\$638.20

Totals by Category

Tra	nsaction	<u>Details</u>						- Weights			Fees	}
Site	Date	Time	Trans #	Truck	Trlr	Material Type	Gross	Tare	Net Rate\$	Tip \$	Spec \$	Total \$
LF	2/11/2015	2:11:00 PM	448619	7639	0	57=PCS 4	54.07	22.16	31.91 \$20.00	\$638.20	\$0.00	\$638.20

Account: 7639

From 7/1/2015 to 7/31/2015

Totals by Date

Day of Week	Date	Count	Weight	Tip Fee	Spec Fee	Tax Fee	Total Fee
Wednesday	7/8/2015	2	54.62	\$1,092.40	\$0.00	\$0.00	\$1,092.40
Tuesday	7/28/2015	2	43.27	\$865.40	\$0.00	\$0.00	\$865.40
Totals		4	97.89	\$1,957.80	\$0.00	\$0.00	\$1,957.80

Totals by Category

Tra	nsaction	<u>Details</u>						- Weights			Fees	S
Site	Date	Time	Trans #	Truck	Trlr	Material Type	Gross	Tare	Net Rate\$	Tip \$	Spec \$	Total \$
LF LF		12:19:00 PM 12:54:00 PM		7639 7639	0	57=PCS 4 57=PCS 4	45.21 47.98	19.06 19.51	26.15 \$20.00 28.47 \$20.00		\$0.00 \$0.00	\$523.00 \$569.40
LF LF	7/28/2015 7/28/2015	7:55:00 AM 8:18:00 AM		7639 7639	0	57=PCS 4 57=PCS 4	44.64 36.75	19.36 18.76		\$505.60 \$359.80	\$0.00 \$0.00	\$505.60 \$359.80



American Rerefining Company (253) 535-9322 WAD-988 515 334



Used Oil & Spent Antifreeze Transport Specialists

		-9	SERVICE INV	OICE #	10	84619
Customer	a Like Inc.	Janes (Phone	1	Date	K-1/
Street	7. Au	spiration de la constitución de la	City	151	(9
Bill To	7.0	3	Accol	unit #	7/1-1	
	1	:		1 122		
B of L # //] L/	84%)	it t	- Q	
PO #	Servic	e Ordered By	Will I	in a	رزندک نن ۱۱۰ نا	.1 - (
QTY.		Amount	The state of the s	ummary of	Charges	
25 411	, mil		MATERIAL			
1	4					3
4.74	4,445		SERVICE CA PICK-UP-DEL		8 g	in the
			LABOR OR FLAT RATE			
			2			
	k .	!				
Clor-D-1 Results:	ectQ4000Kit ppm		TOTAL		350	4
F.T.	pass / fail		l levels of	s the general does not PCB's or solvents	erator of th contain de 1000 PPM	is used tectable
	9	1	Signature		1 1	1
MATER	RIAL TOTAL		Drivers N	lame		

MAIL PAYMENTS TO:

Arcom Oil

P.O. Box 12042 Tacoma, WA 98412-0042

white-office

canary-office

pink-customer

MARINE VACUUM SERVICE, INC.

INVOICE

PO BOX 24263 SEATTLE, WA 98124

Phone # 206-762-0240

ACCOUNTING@MARINEVACUUM.COM

Fax # 206-763-8084

Bill To			
	CASH	×	,
		,	

Date	Invoice #	
7/29/2014	51693	

Ship To

PUMP AND WASH AS DIRECTED 2840 BLACK LAKE C BLVD SW, TUMWATER

P.O. No. Terms

Due on receipt

Quantity U/M	Description	Rate	Amount
4 HR 4 HR 4 HR 2,700 GAL 356	******* PUMP & WASH AS DIRECTED VAC TRUCK & DRIVER STRAIGHT TIME LABOR STRAIGHT TIME WASH PUMP WASTE WATER FUEL SURCHARGE	89.00 41.50 45.00 0.20 0.13	0.00 356.00 166.00 180.00 540.00 46.28
	The state of the s		
		<u>.</u>	
	*	.	
Due Date 7/29/2014	Sales Tax (8.7%) \$112.08	TOTAL:	\$1,400.3



Date: 7-29-2014	Carrier: Ccs	Vehicle #: 159
Drivers Signature *:	Plant Employee: Zach	Time: 1853

	Profile	Work		Vater: 10 Solids:	Ph:	7 x# Or 4B	Area:	The second secon	Flash>140 🔀 Other Value (Fuel Only): Chlor Test:NA 🔀 Chlor Value <1000:			
Generator Name		Order, "BÖL, Or Manifest #	<u>Used</u> <u>Oil</u>	Spent Antifreeze	Used Oil Filters	Off Spec. Fuel	Oily Waste Water	Oily Solids	PCS	Absorbent	Empty Drums	Other
Stemen Environmental	Pend ing						5900g				Million L	oc
						17数。 1	Salva Salva					67 C
		agin e de l'est l'est										
1 1999 14			ŘÍ.	* * * * 1			***************************************		i		多种 的	
-		i i		9		***************************************					4	

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										N 300		

^{*} The information contained in this entry log describes your waste as specified in the specific waste profile approved in to the PRS facility. Please verify the information for accuracy prior to signing.



Date: 7-30-2014	Carrier: Ccs	Vehicle #: 308
Drivers Signature *:	Plant Employee: Josh	Time: 10:10

	Work		% Water: 99% % Solids: 0%				Ph: 7 Tank # Or Area: 5B				Flash>140 ⊠ Other Value (Fuel Only): Chlor Test:NA ⊠ Chlor Value <1000: □			
Generator Name	Profile	Order, BOL, Or Manifest #	Used Oil	Spent Antifreeze	<u>Used Oil</u> <u>Filters</u>	Off Spec. Fuel	Oily Waste Water	Oily Solids	PCS	Absorbent	Empty Drums	<u>Other</u>		
Stemen	Pend ing			`stry :			1404g	and any or the first section (Section 1977) a section				· >		
			madica de la deleventa de la desenva que que se con la desenva de la deleventa de la deleventa de la deleventa									1		
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			X 7	italia, Tripormenti A	1 1 2	1								

^{*} The information contained in this entry log describes your waste as specified in the specific waste profile approved in to the PRS facility. Please verify the information for accuracy prior to signing.



Date: 8	-4-2014	4		7	Carrie	er: Ccs			V	ehicle #:	308		
Drivers Sig	nature	*: Nois	22	de	Plant	Employee	; Zac	ch	. T	ime: 1532	- 12		
			% V	Vater: 10	0%	Ph:	8	and the second s		Flash>14 Other Value	0 ⊠ (Fuel Only	/):	
			% S	folids:	%	Tank # Or Area: 4B Chlor Test:NA Chlor Value <1000:							
Generator	Profile	Work Order, BOL, Or Manifest #	Used Oil	Spent Antifreeze	Used Oil Filters	Off Spec. Fuel	Oily Waste Water	Oily Solids	<u>PCS</u>	Absorbent	Empty Drums	<u>Other</u>	
Name Stemen Environmental	PEN DIN G	6046				-	125G					oc	
								T T T T T T T T T T T T T T T T T T T					
										A CATALOGRAPHIC STREET, STREET			
= 1									of manager and the Contraction				
								- Contract de Cont			1		

		-											

^{*} The information contained in this entry log describes your waste as specified in the specific waste profile approved in to the PRS facility.

Please verify the information for accuracy prior to signing.



Date: 8-28-2014	Carrier: Ccs	Vehicle #: 160
Drivers Signature *:	Plant Employee: Zach	Time: 1513

			% Water: 99% % Solids: 1%			Ph: Tank	Ph: 7.8 Tank # Or Area: 2B				Flash>140 ⊠ Other Value (Fuel Only): Chlor Test:NA ⊠ Chlor Value <1000: □										
Generator Profile Name #		Work Order, BOL, Or Manifest #	Used Oil	<u>Used</u> <u>Oil</u>	Used Oil	<u>Used</u> <u>Qil</u>	<u>Used</u> <u>Qil</u>	Used Qil	Used Qil	<u>Used</u> <u>Qil</u>	Used Oil	Used Oil	Spent Antifreeze	Used Oil Filters	Off Spec. Fuel	Oily Waste Water	<u>Oily</u> Solids	PCS	Absorbent	Empty Drums	Other
Stemens Enviornmental	4395 -b	Flintstone					6800g	ng pananish in individual Africano e conserve e po				ос									
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and the second s								e personal e de un un													

^{*} The information contained in this entry log describes your waste as specified in the specific waste profile approved in to the PRS facility.

Please verify the information for accuracy prior to signing.



Date: 8	-28-201	14/)ı	Carrie	er: Ccs			Ve	ehicle #:	308			
Drivers Sig	nature	*: Stail	n		Plant	Employe	e: Za	eh	Ti	me: 1504		238 12		
				Vater: 99 Solids:		Ph: 8 Tank # Or Area: 4B					Flash>140 \(\subseteq \) Other Value (Fuel Only); Chlor Test:NA \(\subseteq \) Chlor Value <1000: \(\subseteq \)			
Generator Name	Profile	Work Order, BOL, Or Manifest #	Used Oil	Spent Antifreeze	Used Oil Filters	Off Spec. Fuel	Oily Waste Water	Oily Solids	PCS	Absorbent	Empty Drums	<u>Other</u>		
Stemens Enviornmental	4395 -b	Flintstone				and the second s	1375g		Managas Vascolida (et al environment			oc		
	Kaje J. 4		<u> </u>											
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						11/11/11/11/11		9						
			and process for the second second											
			an ann aire an 1944 an Ann	***************************************			-	,						

^{*} The information contained in this entry log describes your waste as specified in the specific waste profile approved in to the PRS facility. Please verify the information for accuracy prior to signing.



Date:	8-29-2014	Carrier: Ccs	Vehicle #: 160
Drivers	Signature *:	Plant Employee: Zach	Time: 1444

		Work	% Water: 99% % Solids: 1%			Ph: Tanl	Ph: 7.8 Tank # Or Area: 2B				Flash>140 \(\subseteq \) Other Value (Fuel Only): Chlor Test:NA \(\subseteq \) Chlor Value <1000: \(\subseteq \)			
Generator Profile		Order, BOL, Or Manifest #	Manifest	BOL, Or Used Spent Manifest Oil Antifreeze			Used Oil Filters	Off Spec. Fuel	Oily Waste Water	<u>Oily</u> Solids	PCS	Absorbent	Empty Drums	Other
Stemens Enviornmental	4395 -B	Flintstone						6800G				ОС		
								- Anderson (III de Presidente Communication (III de Presidente Com			econ more or winds in some conditions			
				ar markatan sa kaman kari katan nga ren markar na samanangara						***************************************				
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							***************************************	in mar antiful funciona na disclora e marinario na a a a a	***************************************		MARTINE STATE CONTROL OF THE PARTY OF THE PA	Pro Albanian Antonian (16-au		
				i distribution de la companya de la	400 Jugo 21 000 1000 Jugo 21 000 100 100 100 100 100 100 100 100	armi, a des arrespondientes de comerce per la missionie					1	ang saga Annagay saga b		

^{*} The information contained in this entry log describes your waste as specified in the specific waste profile approved in to the PRS facility Please verify the information for accuracy prior to signing.

ID 0.1					
GROSS 43	L320 lb IMBOL	IND			
08/07/2014	07:56AM				
ID ().1					
TARE / 32	1320 lb REGAL 2 580 lb . 3740 lb .	LEI)	·\$.	A.	财
08/07/2014	07:59AM				
Driver On ☐ Driver Off ☐ Customer Signature	s:		-		

		G	AS PANK	_	
ÎD 0.2					
3ROSS 42380	1b INBOUND				
08/07/2014 09:	1.5AM				
D 0.2	2867				
GROSS 42380 TARE 32560 VET 9820	Ib		. 1	*	
08/07/2014 09::	19AM				
ver On 🗌					
ver Off					
stomer Signature:					

ID 0.1

GROSS 39520 Lb TNBOUND

08/07/2014 12:02PM

ID 0.1

GROSS 39520 Lb RECALLED

TARE 32500 lb

NET 7020 lb

08/07/2014 12:06PM

Driver On □

Driver Off □

Customer Signature:

GASTANK

ID 0.1

GROSS

41920 lb INBOUND

08/07/2014 10:11AM

- 32500

9429

Driver On \square

Driver Off

Customer Signature:

GASNIC

ID 0.1

GROSS 33320 1b INBOUND

07/28/2014 01:55PM

ID 0.1

GROSS 3332

33320 1b RECALLED

TARE NET 26620 lb 6700 lb

07/28/2014 02:03PM

Driver On

Driver Off \square

Customer Signature:

ID 0.1

GROSS 30760 1b INBOUND

07/28/2014 12:58PM

ID 0.1

GROSS 30760 1b RECALLED

TARE

26620 15 4140 lb

07/28/2014 01:01PM

Driver On

Driver Off

Customer Signature: _

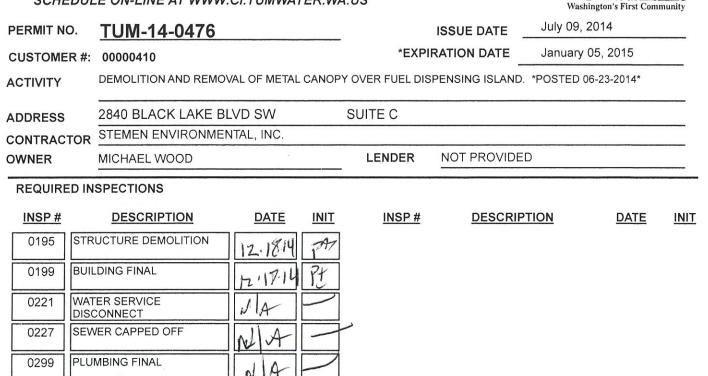
PERMIT

INSPECTION RECORD

COMMUNITY DEVELOPMENT INSPECTION REQUEST LINE: (360) 754-4189

OR

SCHEDULE ON-LINE AT WWW.CI.TUMWATER.WA.US



*This permit shall expire by limitation and become null and void if the building or work authorized by this permit is not commenced within 180 days from the issue date or if the building or work is suspended or abandoned at anytime or if no required inspections have been approved after the work is commmenced for a period of 180 days. See TMC 15.04.020 for requirements on permit extensions and renewals.

On New Construction a Certificate of Occupancy is required.

When requesting inspections, please give your NAME, PROJECT ADDRESS, PERMIT NUMBER, and TYPE OF INSPECTION desired.

NOTICE: THIS CARD MUST BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION

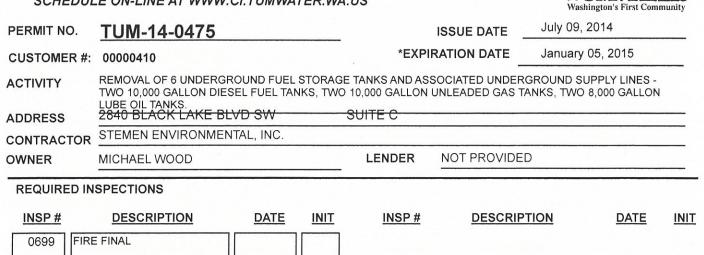
PERMIT

INSPECTION RECORD

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