SD&C
PO Box 2071, Kirkland, WA 98083
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Phone (206)459-5775

September 13, 2016

Mr. Mark Nelson
Nelson Petroleum Inc.
1125 SW 80th Street
Everett, WA 98203

Subject: Site Demolition and Soil Excavation Report
201 W. Stanley Street
Granite Falls, WA

Dear Mr. Nelson:

Slotta Design and Consulting (SD&C) is pleased to present this report documenting the site demolition and soil excavation activities recently conducted at the Nelson Petroleum Inc. facility referenced above.

If you have any questions about this project or report, please contact SD&C at (206) 459-5775. We appreciate the opportunity to work with you on this project.

Respectfully,

SD&C

Timothy S. Slotta L.H.G. #2175
Hydrogeologist

SD&C
PO Box 2071, Kirkland, WA 98083 **Phone (206)459-5775 Fax (425)820-8368**

Site Demolition and Soil Excavation Report

Nelson Petroleum Inc.
201 W. Stanley Street
Granite Falls, WA

Prepared for:

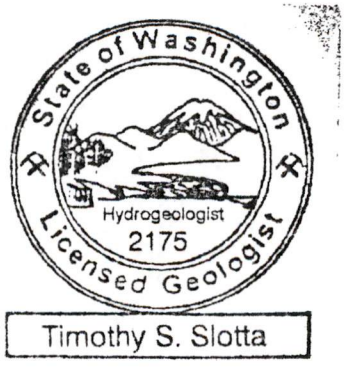
Nelson Petroleum Inc.
1125 SW 80th Street
Everett, WA 98203

Submitted by:

Slotta Design & Construction
PO Box 2071
Kirkland, WA 98083

September 13, 2016

Timothy S. Slotta L.H.G. #2175
Hydrogeologist



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ABREVIATIONS AND ACRONAMES

ACM	Asbestos Containing Material
AST	Above-ground Storage Tank
bgs	below ground surface
BMPs	best management practices
CGF	City of Granite Falls
DOT	WA Department of Transportation
Ecology	WA Department of Ecology
EPA	U.S. Environmental Protection Agency
IMQ	Iron Mountain Quarry
Marvac	Marine Vacuum Service
Nelson	Nelson Petroleum Inc.
PHC	petroleum hydrocarbon compounds
PPE	personal protective equipment
RCLs	regulatory cleanup levels
ROW	right-of-way
SD&C	Slotta Design and Consulting
VOA	volatile organic analysis

1.0 INTRODUCTION

1.1 Project Description

This report presents the results of the site demolition and soil sampling (draft) report recently conducted by Slotta Design and Consulting (SD&C) at the Nelson Petroleum Inc. (Nelson) bulk fuel facility (Site) located at 201 W. Stanley Street in Granite Falls, WA (Figure 1). The demolition activities were conducted in accordance guidelines identified in SD&C's *Site Decommissioning* and *Demolition Workplan* dated May 1, 2015. The decommissioning and remediation activities were conducted with the intent of achieving a No Further Action (NFA) determination from Washington Department of Ecology's (Ecology) Voluntary Cleanup Program (VCP).

This report does not include results of continued groundwater monitoring from wells previously installed at the site during November 2015. Continued groundwater monitoring is on-going and samples are being collected on a quarterly basis with separate reports prepared.

1.2 Scope of Work

The scope of work during the demolition and site remediation included the following tasks:

1. Obtaining a City of Granite Falls (CGF) demolition permit (Appendix 1)
2. Developing a health and safety program for construction activities
3. Conducting utility identification and clearance
4. Coordinating and implementing asbestos abatement
5. Implementing the reconfiguration of the CGF water meter
6. Demolishing the existing structures at the site and segregating materials for disposal
7. Excavating petroleum hydrocarbon impacted soil
8. Collecting soil samples during the excavation
9. Backfilling the excavation to surface grade
10. Installing a surface water diversion berm

2.0 BACKGROUND

2.1 Site Description

The rectangular shaped Site is approximately one-acre in size and located in a commercial area of downtown CGF as illustrated in Figure 1. The Site included a warehouse and operations building (1,500 sq ft), a small pump monitoring shed building associated with an aboveground storage tank (AST) compound, and three fuel distribution pump islands as illustrated in Figure 2.

The northern portion of the site is undeveloped, and is surfaced by deciduous trees and blackberry vines. The warehouse and shed buildings were constructed of wood framing and steel roofing and siding. The warehouse (west) was constructed on a pier and grade beam foundations that formed a crawl space, and the operations building (east) had a slab on grade concrete foundation.

The four ASTs included one 12,955-gallon Unleaded Gasoline tank, one 19,430-gallon Low Sulfur Diesel tank, and two 4,970-gallon Hi-Sulfur Diesel tanks that were interconnected. Underground piping connected the ASTs to the vehicle fueling pumps. The tanks were enclosed by a gated cyclone fence on top of a concrete wall. The AST compound was paved with concrete which sloped to an oil/water separator and stormwater collection system that drained to the southwest along Stanley Street. The site was served by the municipal power, water, and sewer.

The property is bordered to by:

- A vacant, flat graded, undeveloped property to the north.
- Stanley Street, residential and commercial properties further to the south.
- An unpaved lot and an utility sales company to the west
- A Shell gasoline distribution station, and mini-mart convenience store to the east.

2.2 Past Site Investigations

Past environmental investigations conducted at the site include: Environmental Associates (EA) *Preliminary Subsurface Exploration Report* dated December 9, 2003, SD&C's *Phase I and II Environmental Site Assessment* dated April 3, 2008 and SD&C's *Subsurface Investigation Report* dated January 14, 2016. The past investigations identified widespread subsurface impact at the site from petroleum hydrocarbons constituents (PHCs) at concentrations exceeding the MTCA cleanup levels in soil and groundwater.

3.0 SITE DEMOLITION AND SOIL EXCAVATION

3.1 Site Decommissioning

As part of the site decommissioning activities, Nelson removed the majority of product from the ASTs and had the electric supply lines disconnected. SD&C contacted the Utility Notification Center (public utility notification). The CGF requested that during disconnection of the water line that the water meter would be reconfigured and installed in the right-of-way (ROW) south of the site. Storm and sanitary sewer connections at the site were plugged and a catch basin insert was installed in the down gradient storm drainage catch basin west of the site along Stanley St.

On June 3, 2016 SD&C initiated site mobilization activities including installing temporary fencing around the perimeter of the site, and placing a portable toilet at the site. Silt fencing was installed along the temporary fence on the asphalt and secured with sand bags on the asphalt. A trench line was cut along the northern portion of the site and silt fencing was keyed into the topsoil. Stormwater dust suppression best management practices (BMP) were implemented to

conform to Snohomish County standards. Surrounding roads were kept clean and free of debris and mud associated with site activities, construction vehicles, and equipment. SD&C used the barricades to place "No Smoking" and "No Entry" signs around the work zone. Only authorized personnel were allowed on-site, and tailgate safety meetings were conducted daily to discuss work zones and safety concerns.

Personnel and subcontractors were required to wear Level D personal protection equipment (PPE) within the work zone. Non-disposable PPE was decontaminated as necessary and at the end of each workday using a solution of Alconox detergent and water. The decontamination station was located next to the portable toilet and first aid station. Disposable PPE (such as Tyvek and nitrile gloves) were properly disposed and removed of in double-plastic bags.

3.1.1 Asbestos Abatement

In accordance with CGF requirements SD&C previously conducted a survey of building materials at the site to identify asbestos containing materials (ACM) prior to demolition. Each of the buildings were visually inspected initially to evaluate the different materials present at the site. All of the buildings were constructed of sheet metal siding with wood flooring. The main warehouse building had a small office and bathroom located centrally. Based on the survey results, it was concluded that the office building floor tiles contained approximately 80 sq. ft. of 5% non-friable chrysotile.

The ACM was removed prior to the demolition of the building and disposed at the Snohomish County Landfill. Safety measures were implemented to protect workers from exposure to the ACM during the removal activities. The ACM floor tiles were wetted prior to removal, and double-bagged in 6-mil plastic bags prior to transport and disposal.

3.2 Structure Demolition and Materials Segregation

On June 10, 2016, Marine Vacuum Services (Marvac) of Seattle, WA was subcontracted to open the manways to the tanks, triple rinse the interiors, and dispose of the residual materials. Marvac's triple rinse certificate and disposal documentation is included as Appendix II. Pipelines in the tank compound were cut using a reciprocating saw and drained by elevating the lines into storage drums which Marvac transported off site for disposal. On June 30, 2016, Marvac returned to the site to clean the oil-water separator.

The metal product pipelines were piled for disposal as metal debris. The tanks were inerted and prepared for off-site disposal using the following procedures:

1. Two (2) 20-BC portable fire extinguishers were placed within 10 feet of the operation.

2. The tank and process piping were drained and cleaned free of product.

3. Tank and piping were inerted with CO2 gas (Dry Ice) from AAA Fire Equipment Supplier of Everett, WA. SD&C provided dry ice as follows to ensure that the tank atmosphere was inerted: one (1) pound of dry ice (carbon dioxide) per 50-gallon capacity.

4. All tank accesses, fill spouts, turbine heads, etc. were capped, locked, shut, and covered to ensure the C02 gas remained in the tank. A minimum of 60 minutes time was allotted for the dry ice to vaporize.

5. The tanks were cut in half prior to transport open using a cutting torch under the observation of CGF Fire Department to facilitate cleaning and observation. The tanks were removed from the site within 24 hours of cleaning and transported off-site for disposal as scrap metal by 4T4 Trucking of Lake Stevens WA.

The tanks were unbolted, tilted and lifted onto a transport truck for disposal at NW Auto Recyclers scrap metal service in Lake Stevens, WA (Appendix III). The metal buildings were crushed using a combination of three excavators. The metal sheeting were separated from the wood debris for recycling and disposal. The concrete foundations from beneath the buildings, AST compound, and fuel islands were crushed using an excavator equipped with a breaking tip. The disposal locations of the segregated materials is listed as follows:

MATERIAL TYPE	DISPOSAL LOCATION
Flooring	Snohomish County Transfer Station
Metals	NW Auto Recyclers
Wood & Gypsum Materials	Snohomish Co. Landfill
Clean Concrete	Menzel Lake Pit
Asphalt	United Recycling
Fuel Products	Nelson Petroleum
PHC Impacted Soil	Iron Mt. Quarry

All demolition debris was manifested, documented and the disposal certificates are included as a separate attachment and summarized in the following sections. Photo-documentation of the site demolition and soil excavation activities are also included in a separate document.

3.3 Excavation of Impacted Soil

On June 21, 2016 Wes Roberts Construction was subcontracted to conduct the excavation and transport the PHC impacted soil in the vicinity of the garage building, AST compound, and fueling areas. The soil excavation was directed using field screening to segregate PHC impacted soil for disposal off-site at Iron Mt. Quarry (IMQ) in Granite Falls. Appendix IV includes IMQ's license for solid waste disposal facility using thermal radiation disposal. The PHC impacted soil was placed directly into transport trucks for direct disposal off-site. CGF required single-load trucks only to be operated within the city limits.

The excavation was conducted in stages as illustrated in Figure 2 and labeled as:

Area 1 – located on the eastern portion of the site adjacent to the former warehouse,
Area 2 – located on the western portion of the site adjacent to the former AST compound,
Area 3 – located on the central portion of the site adjacent to the former fueling pump island,

The excavation accumulated surface water from significant rain events, the relocation of the water meter by CGF, and shallow groundwater conditions. The CGF would not allow onsite treatment of water to discharge to the storm, sanitary sewer, or recirculated back into the excavation. The separation of excavation areas allowed for some control of the water by creating soil dams to load out unsaturated soil for disposal.

3.4 Waste Profiling Disposal and Backfill

Initial samples were collected from test pits conducted in the Area 1 to evaluate and demonstrate the disposal concentrations. Based on the results of the soil sampling and field screening a total of 2,683.31 tons of soil were disposed of at the IMQ. The areas of subsurface impact extended from the eastern property boundary to the western and southern property lines. The northern boundaries of the excavation extended typically to the fence-line of the former facility operations. However, the extent of impact to the northeast corner extended 15 – 20 ft. north of the former fence line, and up-gradient of the former warehouse building. The subsurface soil beneath the site ranged within the areas of excavation as follows:

Area 1 – 20 ft. north of fence line to 15 ft. north of south property line to east property line

Surfaced to a depth of approximately 2 ft. with ¾ in.-minus top-course imported gravel.
Underlain by 2 ft. of very PHC impacted gray/black crushed rock railroad ballast.
Underlain by 1 ft. of very PHC impacted black peat soil with a high organic content.
Underlain by 1 ft. of brown silty clayey topsoil material with moderate PHC impact.
Underlain by 2 ft. of gravelly (rounded 2-4") sand with heavy PHC impact.
Underlain to the maximum depth of excavation at 7 ft. by gray fine to course very dense sandy silt (glacial till) with no PHC impact.

Area 2 – 5 ft. north of fence line to the south property line to west property line including the southeast entrance to the western located parcel

Surfaced to a depth of approximately 6-inches of concrete 1 ft. with imported gravel.
Underlain by 1 ft. of brown silty sand with gravel with slight PHC impact.
Underlain by a 6-inch dark brown silty sandy organic layer with slight PHC impact.
Underlain by 4 ft. of brown gravelly (rounded 2-4") sand with slight PHC impact.
Underlain to by grey silty sand with gravel, cobbles, and rock with interbedded clay lenses which was heavily impacted by PHCs which became very dense sandy silt (glacial till) at 9 ft. with no PHC impact.

Area 3 – north to the fence line, to the south property line, and east and west to Areas 1 and 2

> Surfaced to approximately 2 ft. with brown peat soil with a high organic content.
> Underlain by 3 ft. of brown gravelly (rounded 2-4") sand with slight PHC impact.
> Underlain to by grey gravelly silty sand, and rock with interbedded clay lenses which was heavily impacted by PHCs which became very dense sandy silt (glacial till) at 7 ft. with no PHC impact

The excavations were backfilled using imported 2-4" cobblestone supplied by IMQ. The cobble fill was placed until it was above the water level. The excavation was then filled to grade using pit run gravel from IMQ, and backfilled in 1 ft. lifts and compacted by track-rolling with the excavator. The concrete site sanitary sewer was excavated and plugged at the western property boundary, and the PVC storm sewer from the site was plugged at the south property line, and both sewers were flagged at the surface grade to demark the cap locations. Following backfilling activities, the native soil surrounding the excavation area was graded to make a smooth transition between the existing slopes and the excavation areas to prevent water collecting at a single location. An asphalt surface water diversion berm was constructed to parallel Stanley Street to prohibit surface run-on to the site. All construction equipment, temporary fencing, construction-related debris were removed and the site was left in a clean and well-ordered condition.

4.0 SOIL SAMPLING AND CHEMICAL ANALYSIS

4.1 Soil Sampling Methods

At the completion of soil excavation activities, when the field screening indicated PHCs were non-detectable, property boundary was reached, or utilities prohibited further excavation, confirmation soil samples were collected from the sidewalls and floor of each area. Soil samples were collected in accordance with Ecology method 5035 for volatile organic analysis (VOAs). The soil samples were collected in 4-oz laboratory prepared glass jars, and two 40-mL VOA containers preserved with 10 mL of methanol for high level analysis. The three containers were collected from each sampling location using EPA approved sampling protocol. The vials were labeled in accordance with their sampling location including the date, time, and project name. The vials were placed in iced coolers at 4-degrees Celsius to store the samples until delivered under chain-of-custody to ALS Laboratory of Everett, WA for analysis.

4.2 Laboratory Analyses of Soil Samples

Copies of the original laboratory reports for the sample analyses are included as Appendix V. The samples were analyzed for the following constituents:

- Total Petroleum Hydrocarbons (TPH) as gasoline using Ecology Method WTPH-Gx and Diesel and Heavy Oil using Ecology Method WTPH Dx.

- Benzene, Toluene, Ethyl Benzene, Xylenes (BTEX), using EPA Method 8020 modified.

During previous studies of the site, soil samples were analyzed for Total Lead by EPA method 7010, Dichloroethane (EDC), Dibromethane (EDB), Naphthalene and MTBE using EPA Method 8260B. The analytes were below detection levels, and not analyzed during the site decommissioning.

5.0 RESULTS and CONCLUSIONS

5.1 Results of Soil Analyses

The laboratory results of soil samples collected from the excavation are summarized in Table 1 A. The soil sampling locations collected from the three excavation areas are illustrated on Figure 2.

The results of soil samples collected to demonstrate disposal levels (EX-1@5' and EX-2@5') from the Area 1 contained PHCs as Diesel, heavy oil and benzene at concentrations which exceeded the MTCA method A cleanup levels. The concentration of gasoline in the EX-2 sample also exceeded the regulatory cleanup levels (RCLs)

At the completion of the excavation activities in Area 1 two confirmation soil samples were collected from the floor of the excavation which did not contain detectable concentrations of PHCs. The two soil samples collected from the north wall and the south wall of the Area 1 excavation did not contain PHCs at concentrations which exceeded the RCL. However, the sample collected from the eastern wall of the excavation at the property border contained residual PHCs as Diesel and heavy oil at concentrations which exceeded the RCLs.

After excavation activities in Area 2, two of three floor samples did not contain PHCs at concentrations exceeding the RCLs. The sample collected from the north wall of the Area 2 excavation did not contain detectable concentrations of PHCs. The samples collected from the south, west, and southwest walls of the excavation at the property borders contained residual PHCs at concentrations which exceeded the RCLs. The sample A2F3@9', located beneath the utilities for the western located site's SE entrance, exceeded the RCL for benzene.

Confirmation soil samples collected in Area 3 indicated the north wall, south wall and floor of the excavation did not contain concentrations of PHCs exceeding the RCLs.

5.2 Conclusions

SD&C was contracted to conduct demolition and soil excavation activities at the Nelson Petroleum Granite Falls facility between June 3 and July 12th 2016. All buildings, foundations and piping were removed from the site to the property boundaries, and the site is currently level and unpaved. The storm and sanitary sewers are capped at the south and west property boundaries and the water meter is located in the CGF ROW to the south. A total of 2,683.31 tons of soil were disposed of off-site at the IMQ. Soil sample results indicate that the majority of PHC impacted soil was removed from the site. There are concentrations of PHC which

remained outside of the south, west, and eastern property boundaries, and the floor of the excavation beneath the utilities located on the southeastern entrance to the western adjacent site.

The excavation was extended in the northerly direction upgradient of the site (groundwater flows to the southwest) approximately 20 ft. to the north outside site's operational area. The impact in Area 1 appeared to be a result of a railroad ballast type of gravel material which was encountered on top of a peat soil at a depth of 4 ft. bgs. It appears that the ballast was placed on top of the peat soil in the past to stabilize the underlying swamp type materials. The peat was also encountered in Area 2 beneath the raised west warehouse building which was stabilized with wood caissons driven through the soil to the underlying dense bearing materials.

Past operational records give reference to railroad operations in the site vicinity, but the specific location and operations at the site are currently unknown. The sample results collected from the eastern wall of the excavation also suggest an upgradient source of impact to soil and groundwater at the site. The soil sample from the east side wall of the excavation contained residual concentrations of Diesel and heavy oil at concentrations which exceeded the MTCA method A cleanup levels. It is likely that the historical release of PHC upgradient of the site to the northeast developed a plume which migrated onto the site in a southwesterly groundwater flow direction.

Residual concentrations of PHCs exceeding the RCLs in soil also remain to the south, west, and southwestern property boundaries. The PHC impact in those areas appeared to be the result of PHC storage and distribution activities at the site.

Based on past sampling results and monitoring of groundwater, the site vicinity, is impacted by PHCs which were likely the result of a combination of past site operations and localized industry. Continued monitoring is planned to evaluate the impact of the soil remediation and site decommissioning activities on the groundwater quality at the site.

6.0 LIMITATIONS

SD&C's conclusions are based on conditions encountered at the time of field activities, information provided, and the results of qualitative sampling. The opinions expressed in this report are based on an evaluation of the subsurface conditions encountered, and the assumption that the subsurface conditions in proximity to the sample sites do not deviate appreciably from those examined. Any unusual conditions not identified during this subsurface investigation should be identified for SD&C so that modifications may be made to this report if necessary.

SD&C's work was performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

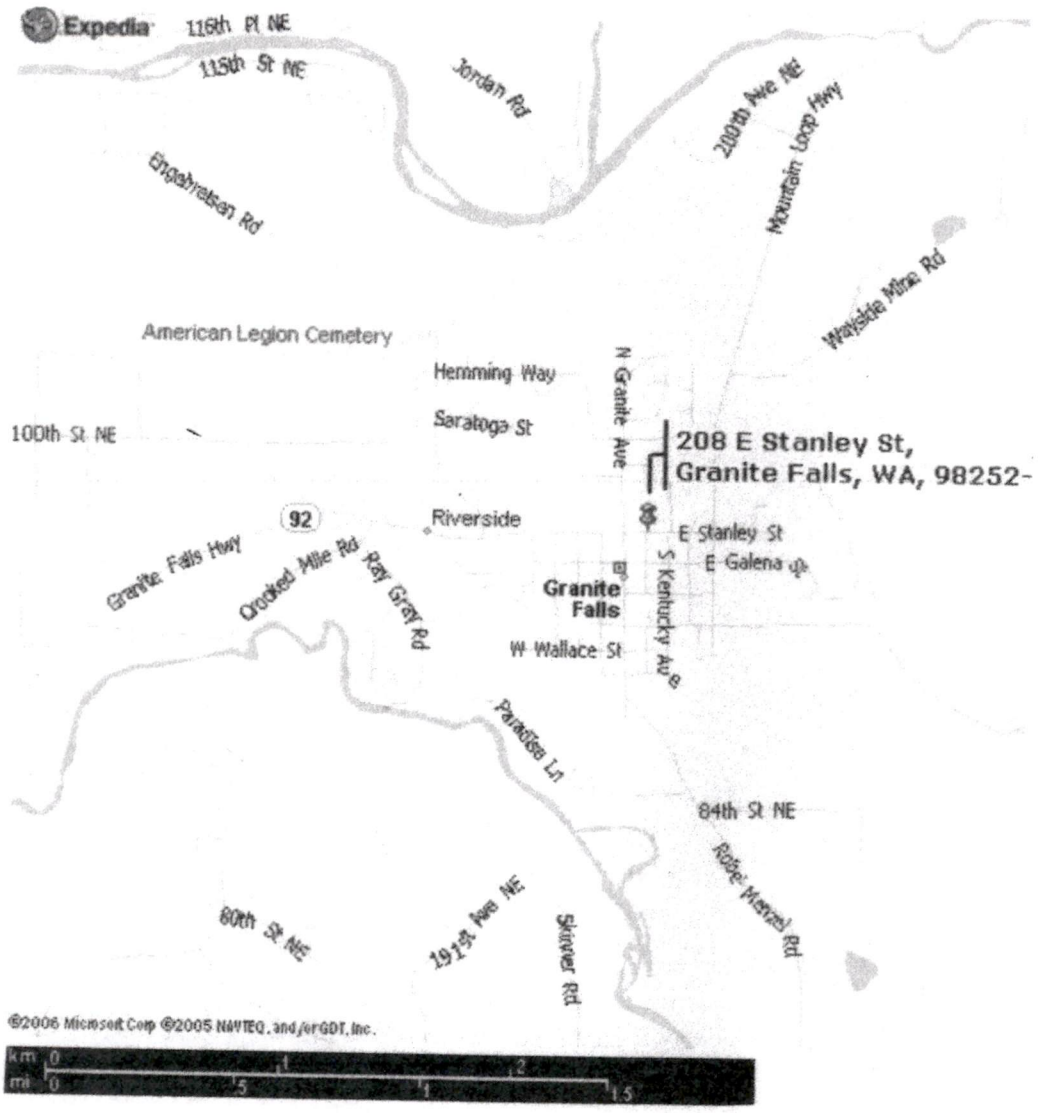
7.0 REFERENCES

Ecology. October 1992. *Guidance for Site Checks and Site Assessments for Underground Storage Tanks.* Washington State Department of Ecology, Olympia, Washington.
Environmental Associates (EA). December 9, 2003 *Preliminary Subsurface Exploration Report*
SD&C. April 3, 2008 *Phase 1 and 2 Environmental Site Assessment Report*
SD&C. May 1, 2015 *Site Decommissioning and Demolition Plan*
SD&C January 14, 2016 *Subsurface Investigation Report*

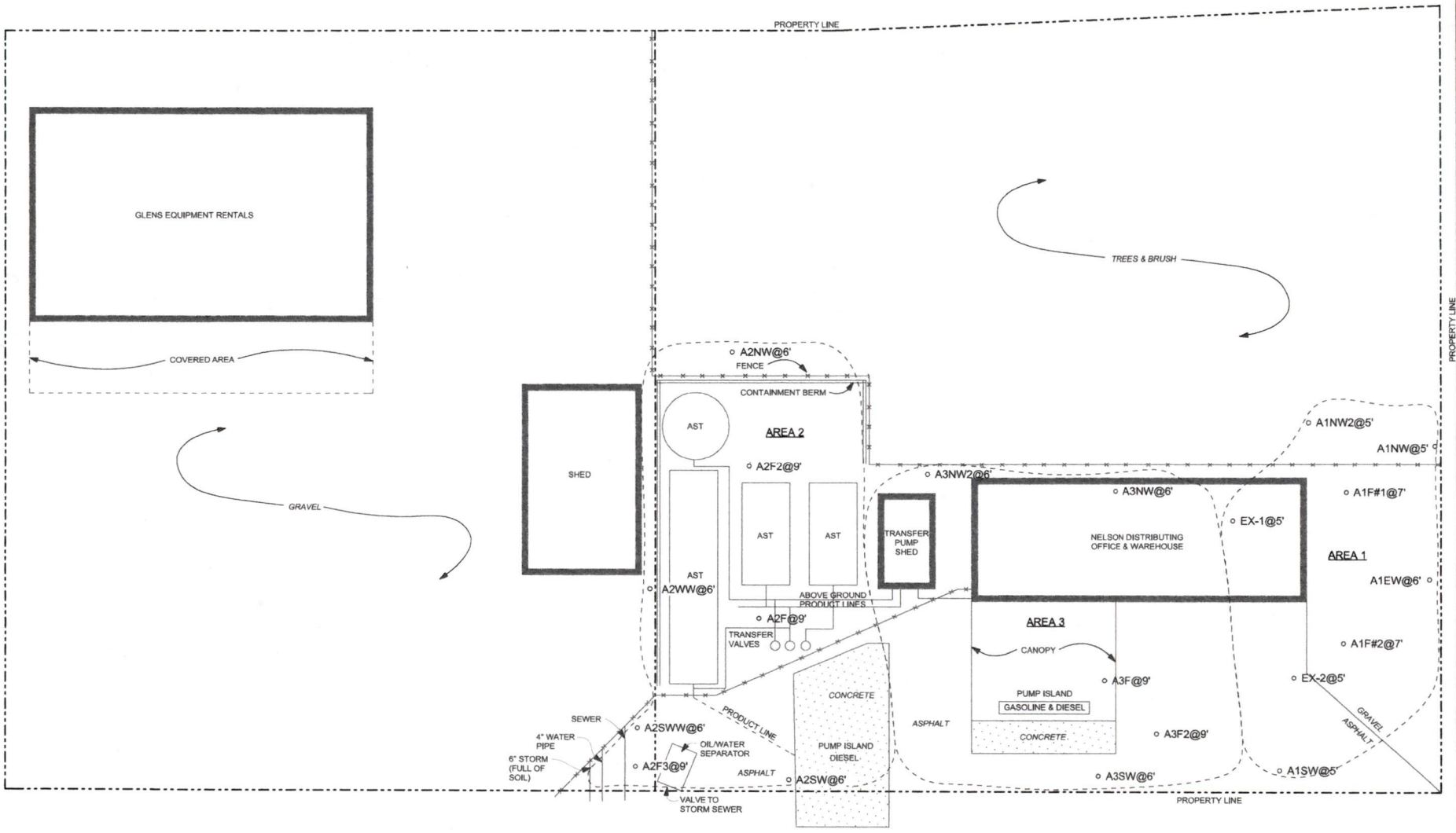
Table 1
Laboratory Chemical Analyses Results for Soil Samples During-Excavation
Nelson Petroleum Facility, Granite Falls, WA

Sample ID	Sample Date	WTPH-G (mg/kg, ppm)	WTPH-D (mg/kg, ppm)	WTPH-O (mg/kg, ppm)	Benzene (mg/kg, ppm)	Toluene (mg/kg, ppm)	Ethyl Benzene (mg/kg, ppm)	Xylenes (mg/kg, ppm)
Soil Excavations								
EX-1@5'	6/21/16	79	**3,400**	**3,800**	**0.042**	<0.05	0.011	0.29
EX-2@5'	6/21/16	**160**	**2,900**	**3,800**	**0.14**	0.11	0.43	0.36
A1F#1@7'	6/21/16	<3	<25	<50	<0.03	<0.05	<0.05	<0.05
A1F#2@7'	6/21/16	<3	<25	<50	<0.03	<0.05	<0.05	<0.05
A1NW@5'	6/21/16	61	460	590	<0.03	<0.05	<0.05	<0.05
A1SW@5'	6/21/16	<3	<25	<50	<0.03	<0.05	<0.05	<0.05
A1EW@6'	6/29/16	21	**1,800**	**1,600**	<0.03	<0.05	<0.05	<0.05
A1NW2@5'	6/29/16	<3	<25	<50	<0.03	<0.05	<0.05	<0.05
A2SW@6'	6/27/16	**770**	**11,000**	<50	<0.03	<0.05	3.3	<0.05
A2F@9'	6/27/16	<3	<25	<50	<0.03	<0.05	<0.05	<0.05
A2F2@9'	6/27/16	4.9	<25	<50	<0.03	<0.05	<0.05	<0.05
A2F3@9'	7/6/16	14	<25	<50	**0.49**	0.12	0.061	0.31
A2SWW@6'	7/6/16	**150**	390	<50	**0.36**	0.10	0.47	0.52
A2WW@6'	7/7/16	**100**	900	110	<0.03	<0.05	<0.05	<0.02
A2NW@6'	7/7/16	<3	<25	<50	<0.03	<0.05	<0.05	<0.05
A3SW@6'	7/7/16	23	140	<50	<0.03	<0.05	<0.05	<0.02
A3NW@6'	7/7/16	8.7	<25	<50	<0.03	<0.05	<0.05	<0.05
A3F@7'	6/29/16	4.8	<25	<50	<0.03	<0.05	<0.05	<0.05
MTCA Method A cleanup level		**100**	**2,000**	**2,000**	**0.03**	**7**	**6**	**9**
Method Reporting Limit		3	25-50	50-250	0.02	0.05	0.05	0.05

Notes: Milligrams per kilogram (mg/kg) parts per million (ppm). <1.0 = not detected at or above the method reporting limit. N/A= not analyzed
MTCA Method A cleanup levels for soil are from Washington Administrative Code (WAC) chapter 173-340 revised 2-12-01.
Soil samples were analyzed for Diesel and Heavy Oil by Ecology method NWTPH-Dx, Gasoline by Ecology method NWTPH-Gx.



SD&C **Granite Falls Vicinity Map** **Figure 1**



N

SITE PLAN

SCALE: 1" = 20'

0 10' 20' 40'

○ SD&C REMEDIATION SAMPLE LOCATIONS

Slotta Design & Consulting
P.O. Box 2071 Kirkland, WA 98083
(206) 459-5775

NELSON DISTRIBUTING
201 W. Stanley Street
Granite Falls, WA

SOIL ANALYTICAL RESULTS

2

APPENDIX I

City of Granite Falls Building Permit

GRANITE FALLS

City of Granite Falls
206 S. Granite Avenue / P.O. Box 1440
Granite Falls, Washington 98252

P 360-691-6441
F 360-691-6734
www.ci.granite-falls.wa.us

City of Granite Falls Building Permit
Number 2015-014

Residential _____ **Mechanical** _____ **Plumbing** _____ **Commercial** _____ **Demolition** X
Application is hereby made by:
Name: Nelson Petroleum, Inc. Address: 1125 SW 80th Street, Everett, WA 98203 Phone (425) 353-9701

Contractor: Wes Roberts Construction Address: 1681 Smoky Point Road, Arlington, WA 98223 Phone (425) 422-3387
Lic. No. WESSRCG022RD, Expires: 10/16
Job Location: 201 W. Stanley Street, Granite Falls, Washington 98252
To do the following work: Demolition of Site (Shed, Building, Pumps)
Tax Acct. No 30061300403400 Sec. 13 Twp -30N Range 06E
Subdivision: _____ Block _____ Lot Size .58 Acres
Zoning _____ Building Dimension _____ Stories ____ No. of Units _____ Deck Sq. Ft._____
Main Floor _____ Basement _____ 2nd Floor _____ Garage Sq. Ft _____

MANDATORY INSPECTION
1. Foundation _____
   a. Pilings _____
   b. Footings _____
   c. Walls _____
   Special Concrete Placement
   _____
   Sheer Nail _____
2. Framing _____
   a. Special Framing _____
   b. Insulation _____
3. Sheer Rock/Lath Nailing
   _____
4. Sprinkler System _____
5. Fire Alarm System _____
6. Final _____

MINIMUM REQUIRED SETBACKS
Front _____
Sides _____
Rear _____

SPECIAL CONDITIONS
_____Water Closets
_____Bath Tubs
_____Kitchen Sink
_____Wash Basins
_____Hot Water Heater
_____Dishwasher
_____Drains
_____Laundry Washers
_____Laundry Trays
_____Pumps
_____Vacuum Breakers
_____Gas Piping
_____Side Sewers
_____Water Service Lines
_____Misc.: _____

NOTE: SEPARATE PERMIT REQUIRED FOR PLUMBING, HEATING, AND MECHANICAL SYSTEMS.
No plumbing will be approved prior to installation of permanent potable water to building as per Section 1001 U.P.C.

PLUMBING INSPECTION
Underground _____
Rough In _____
Final _____

MECHANICAL INSPECTION
_____
_____

GAS PIPING _____

Underground _____

VALUATION $ Plan Check $
DATE 04/18/2016
ISSUED BY Paula Reese

Building	$150.00
Plumbing	$
Mechanical	$
State Fee	$
Sub-Total	$150.00
TOTAL	**$150.00**

Call (360) 691-6441 for Inspections
24 hour notice is required when calling for inspections

☐ I certify that I am exempt from the requirements of the state contractor's registration law, under Section 3, Chapter 126, laws of 1967.

(Signature)X _____

Demolition Permit Expires 18 Months From Date of Issuance

APPENDIX II

UST Pump and Rinse Certificate

Marine Vacuum Service, Inc.

GENERAL CONTRACTOR

CONTRACTORS LICENSE # MARINVS097JA

P0. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size: (2) 8 – (2) 12K

Last Contents

Tank Location: 201 W. STANDly ST
Granite falls, WA

Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360-380(I), API 1604, API 2015 and that all residual product and rinsate has been disposed of in accordance with Federal, State and Local regulations. Tanks listed above are **NOT GAS FREE** or **NOT SAFE FOR HOT WORK**

Tank Owner: Nelson Petro.

Contractor: SDSC

M.V.S. Representative: [signature]

Date: 6-10-16

Notes:

DBE # D4M1302341

EPA # WAD980974521

A MINORITY BUSINESS ENTERPRISE ID # D4M1302341

425-252-5192

This Memorandum Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. UC3503

Carrier No.

Page 1 of 4

MARINE VACUUM SERVICE, INC

(Name of carrier) (SCAC)

Date 6/10/16

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee MARINE VACUUM SERVICE INC

Street 1516 S. GRAHAM ST

City SEATTLE State WA Zip Code 98108

FROM:
Shipper CASH

Street 201 W. Stanclly ST

City Granite falls State Zip Code

24 hr. Emergency Contact Tel. No. 800-540-7491

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1T		NON-Regulated By DOT				
		Petroleum's Contaiminated -	1000			
		Wash wate				
		sludge	5			
		~~300~~ 300 W. gas.				
		10. Disel				
		5. gal's. sludge				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____." (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172. (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER MARINE VACUUM SERVICE, INC.

PER

DATE 6/10/16.

4

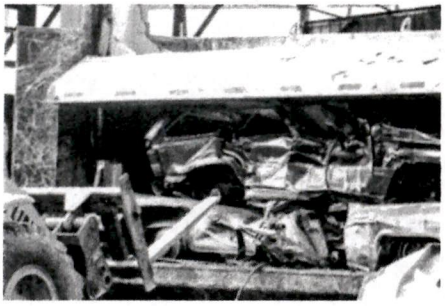
Permanent post-office address of shipper.

APPENDIX III

NW Auto Recyclers Ferrous and Non-Ferrous Metal Disposal

FERROUS METALS

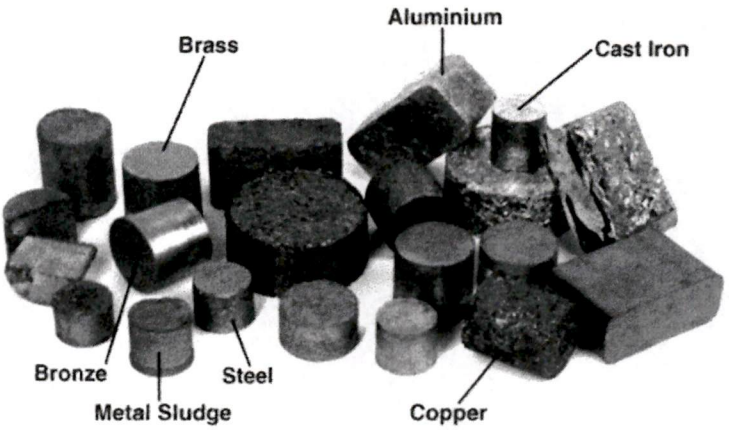
Ferrous metal is mostly used for things like machinery, cars, motors, farm implements, and other uses such as appliances, like stoves refrigerators, washers, dryers, and freezers. Lawn mowers are usually made from a combination of both ferrous and non-ferrous metals. Most of your smaller push type mowers, generally speaking, the motors are usually made from aluminum (a non-ferrous metal); however, the deck and handle assembly are made from ferrous metals.



FERROUS METALS: *Steel, Appliances, Car parts, Heavy equipment, Farm equipment, Fencing, Lawn mowers, Bicycles, Etc.*

NON-FERROUS METALS: *Aluminum, Copper, Stainless, Brass, Titanium, Electric motors, Zinc, Auto batteries, Industrial batteries, Lead*

NON-FERROUS METALS



Non-ferrous metals include aluminum, brass, copper, nickel, tin, lead, and zinc, as well as precious metals like gold and silver. While non-ferrous metals can provide strength, they are primarily used where their differences from ferrous metals can provide an advantage.

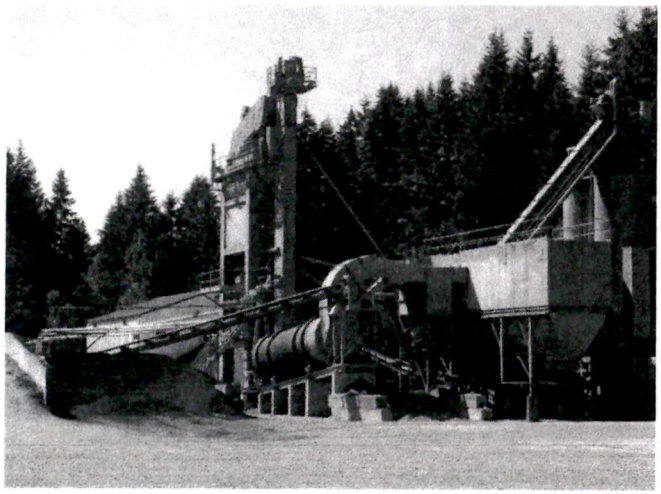
For instance, non-ferrous metals are much more malleable than ferrous metals. Non-ferrous metals are also much lighter, making them well-suited for use where strength is needed, but weight is a factor, such as in the aircraft or canning industries. Because they contain no iron, non-ferrous metals have a higher resistance to rust and corrosion, which is why you'll find these materials in use for gutters, water pipes, roofing, and road signs. Finally, they are also non-magnetic, which makes them perfect for use in small electronics and as electrical wiring. As far as recycling goes, aluminum is the third most recycled material in the world. However, many other non-ferrous materials like copper, brass and lead are relatively scarce, and metallurgists rely heavily on scrap material recycling to make new ones. .

MOBILE CRUSHING & BAILING

Mobile crushing and bailing- Have a landfill or wrecking yard and needing to crush or bail your cars and scrap metal? We got you covered with top of the line crushing and bailing equipment, NW Auto Recyclers has all the capabilities to handle your needs while delivering the highest prices for your material.

APPENDIX IV

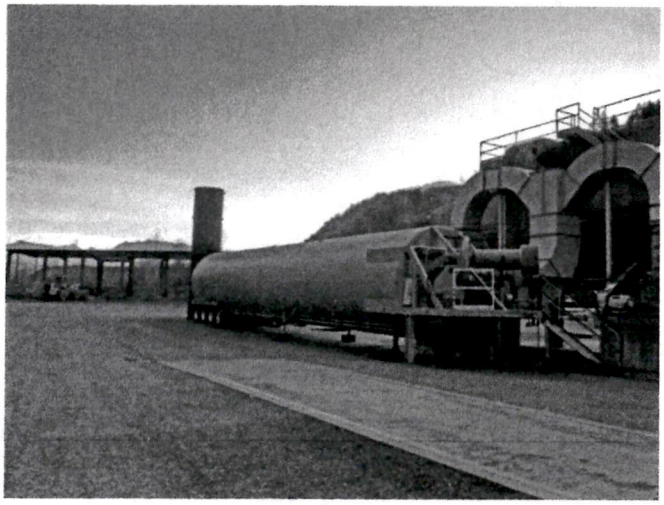
Iron Mountain Quarry Disposal License



Welcome to
Iron Mountain Thermal Remediation

Our facility is located in Snohomish County Washington on the edge of the town of Granite Falls.

- Large state of the art thermal remediation plant
- Easy truck access
- Inside soil storage facility
- Onsite landfill for final disposal
- Open daily Monday thru Friday
- Large variety of crushed rock and/or sand & gravel products available for your return haul



Have any questions give us a call

Plant: 866-442-4093

Sales: 206-953-2626

Or contact us via email: lee@ironmt.net

THERMAL REMEDIATION PRICE LIST

SHD Solid Waste Facility Permit # SW-501
20700 Wayside Mine Rd - Granite Falls, WA

Class 3 Petroleum Contaminated Soil	Price per Ton
See below for additional criteria	$42.00

- Pricing may vary depending upon soil type, moisture content and contamination levels
- The above pricing does not include a required 3.6% Washington State Refuse Tax

Class 3 Thermal Remediation Maximum Contamination Levels

TPH	MAX LEVEL
Heavy Fuels	15,000 ppm
Diesel	15,000 ppm
Gasoline	15,000 ppm
Chloride	83 ppm
PCB's	1 ppm
Chromium	2,000 ppm

Soils must not exceed standards for the following heavy metals shown in Model Toxic Control act (MTCA) table 740-1 Method A Soil Cleanup Levels for Unrestricted Land Uses – Arsenic, Cadmium, Lead, Mercury and if total Chromium exceeds 48 ppm, you must test for Chromium VI.

Hours of Operation	Mon-Fri 6:30am – 4:30pm	
Dispatch for all Yards	**Scale House**	
	866-672-3434	
Remediation Sales	**Office**	**Mobile**
Lee Langley	425-481-0999	206-953-2626

GENERAL MATERIAL RECEIVING & TESTING REQUIREMENTS FOR PETROLEUM CONTAMINATED SOIL

Criteria for material acceptance is based on Chapter 173-340 WAC "The Model Toxics Control Act" and the Washington State Department of Ecology.

Number of samples to be provided prior to acceptance of contaminated soil

Cubic Yards of Soil	Minimum Number of Samples
0 - 100	3
101 - 500	5
501 - 1,000	7
1,001 - 2,000	10
Over 2,000	10 + 1 for each additional 500 cubic yards

Analytical Data Requirements

Contaminate	Analytical Method
Heavy Fuel Hydrocarbons	NWTPH-D-EXTENDED
Diesel/Heating Oil	NWTPH-D-EXTENDED
Gasoline	NWTPH-G
Gasoline	BTEX 8020

Additional Requirements relating to the acceptance of material at our facility.

- No material will be received without an approved credit application, a completed disposal application form, and pre-approval from Iron Mountain Quarry.
- Trucks will be permitted to weigh-in Monday through Friday 6:30 AM to 4:00 PM unless prior arrangements have been made.
- Material will be sampled at delivery. Comparisons will be made between the submitted profile and the on-site analysis. Iron Mountain Quarry reserves the right to refuse any delivered material which does not compare to submitted profile.
- Soil must not contain any free liquids, or foreign material (rebar, fittings, cans, wood, etc.).
- Loads found with foreign material will be reloaded and returned to customer.

Plant Location: 20700 Wayside Mine Road Granite Falls, WA 98252 Phone: 866-442-4093
Landfill Location: 20800 Wayside Mine Road Granite Falls, WA 98252 Phone: 866-672-3434
Main Office: 22121 17th Ave SE Suite 117 Bothell, WA 98021-7404 Phone: 425-481-0999

IRON MOUNTAIN QUARRY (IMQ) THERMAL REMEDIATION SOIL ACCEPTANCE AGREEMENT

This policy is to outline the types of material that will be accepted from outside construction projects or sources for thermal remediation under Snohomish Health District Solid Waste Facility Permit # SW-501.

Acceptable Materials
- Soil
- Sand or Gravel

Prohibited Materials
- Garbage
- Wood
- Paper
- Pesticides/Herbicides
- Materials designated as dangerous waste

Thermal Remediation Maximum Contamination Levels

Class 3 acceptance limits for petroleum contaminated soils

TPH	MAX LEVEL
Heavy Fuels	15,000 ppm
Diesel	15,000 ppm
Gasoline	15,000 ppm
Chloride	83 ppm
PCB's	1 ppm
Chromium	2,000 ppm

Soils must not exceed standards for the following heavy metals shown in Model Toxic Control act (MTCA) table 740-1 Method A Soil Cleanup Levels for Unrestricted Land Uses – Arsenic, Cadmium, Lead, Mercury and if total Chromium exceeds 48 ppm, you must test for Chromium VI.

Maximum Liquid Content

Saturated materials are prohibited. All materials will be tested for liquid content using a "coffee filter test." If materials scooped into a coffee filter produce leaking liquid, they will be rejected.

Maximum pH

Materials may not have the potential of creating leachate with a pH outside the range of 6.5-8.5.

Required Information

Customers are required to identify the sources of material, including the construction project and contractor. At IMQ's discretion, customers may be required to produce lab test results demonstrating compliance with MTCA and Snohomish County Health District contamination standards. Please refer to disposal application.

Unacceptable Materials

Individual loads will be examined at the scale house prior to dumping. XRF Analyzers may be used for soil analytics. All material dumped will be given a final visual and smell check before placement. Unacceptable material will be rejected. If material is determined to be unacceptable after it is dumped, IMQ will remove, isolate and cover the material for the customer to pick up and/or charge the customer for all costs associated with the removal and proper disposal of unacceptable material.

Plant Location: 20700 Wayside Mine Road Granite Falls, WA 98252 Phone: 866-442-4093
Main Office: 22121 17th Ave SE Suite 117 Bothell, WA 98021-7404 Phone: 425-481-0999

SOLID WASTE FACILITY PERMIT # SW-501

Issued by the Snohomish Health District in accordance with the provisions of Chapter 70.95 of the Revised Code of Washington (RCW), Chapter 173-350 of the Washington Administrative Code (WAC), and the Snohomish Health District Sanitary Code, Chapters 3.1 and 3.2 (adopted text of WAC 173.350).

PERMIT PERIOD: JULY 1, 2015 TO JUNE 30, 2016

PERMITTEE AND ADMINISTRATIVE INFORMATION

NAME OF FACILITY:	Iron Mountain Quarry Petroleum Contaminated Soil Treatment Facility
FACILITY LOCATION:	20700 Wayside Mine Road, Granite Falls, Washington 98252
FACILITY OWNER:	Iron Mountain Quarry
FACILITY OPERATOR: PHONE:	James Burnett, Operations Manager 425-481-0999
PERMIT TYPE: ANNUAL FEE:	Piles for Petroleum Contaminated Soil Treatment $2,128.00 (2/3 fee of $3192.00 for multiple permits, same site)

The conditions of this permit are contained on the following pages. This permit is the property of the Snohomish Health District and may be suspended or revoked upon violation of any rules and regulations applicable hereto. This permit is not transferable to a different site, and must be renewed annually. This permit, or a legible copy, must be displayed or stored in a manner which allows easy access by operating personnel.

Kathy Pierson

Kathy Pierson, RS
Land Use Section
Environmental Health Division

July 1, 2015
Date of Issuance

3020 Rucker Avenue, Suite 104 ■ Everett, WA 98201-3900 ■ tel: 425.339.5250 ■ fax: 425.339.5254

SECTION I: STANDARD PERMIT CONDITIONS

A. This permit shall remain the property of the Snohomish Health District (Health District). The permit may be revoked, suspended, or appended upon violation of the permittee of any applicable local, state, or federal laws, or any of the conditions of this permit, by the Health Officer or any authorized agent of the Health District. If the permit is revoked, there is a procedure specified in the Snohomish Health District Sanitary Code, Chapters 3.1, *Solid Waste Handling Regulations;* and 3.2, Chapter 173-350 WAC *Solid Waste Handling Standards*, to appeal the revocation.

B. As a general condition of this permit, the permittee shall comply with the Snohomish Health District Sanitary Code, Chapters 3.1, *Solid Waste Handling Regulations;* Chapter 173-350 WAC *Solid Waste Handling Standards* or other regulations which may be subsequently adopted that affect this facility. Where any conflicts between any regulations are present, the more stringent regulations shall be in effect.

C. All conditions of this permit shall be followed for the permittee to remain in compliance. The permittee shall be responsible for all acts and omissions of all contractors and agents of the permittee. This requirement shall continue for the life of the site, including closure activity.

D. By applicant's receipt of this permit, applicant grants permission to any duly authorized officer, employee, or representative of the Health Officer of the Health District, or Washington Department of Ecology, to enter and inspect the permitted facility at any reasonable time for the purpose of determining compliance with the Snohomish Health District Sanitary Code, Chapters 3.1, *Solid Waste Handling Regulations;* Chapter 173-350 WAC *Solid Waste Handling Standards* and/or the conditions of this permit.

E. This permit, or a legible copy of the original, shall be displayed or stored in a manner which allows easy access by operating personnel.

F. This permit shall be subject to suspension or revocation if the Health District finds:

1. That the permit was obtained by misrepresenting or omitting any information that could have affected the issuance of the permit or will affect the current operation of the facility;

2. That there has been a significant change in quantity or character of the solid waste or method of solid waste handling, unless such change has been approved in advance by the Health District; or

3. That there has been a violation of any of the conditions contained in this permit.

G. This permit may be amended by the Health District. More stringent restrictions may be imposed on the facility during the period the permit is valid. Amendments shall be made in writing and become specific conditions of the permit.

H. The operating permit shall be renewed annually and, if needed, additional conditions may be placed upon the permit at the time of renewal.

SECTION II: PERFORMANCE STANDARDS

The owner or operator shall:

A. Design, construct, operate, and close all facilities in a manner that does not pose a threat to human health or the environment;

B. Comply with Chapter 90.48 RCW, *Water Pollution Control* and implementing regulations, including Chapter 173-200 WAC, *Water Quality Standards for Ground Waters of the State of Washington*;

C. Conform to the approved local comprehensive solid waste management plan prepared in accordance with Chapter 70.95 RCW, *Solid Waste Management – Reduction and Recycling*, and/or the local hazardous waste management plan prepared in accordance with Chapter 70.105 RCW, *Hazardous Waste Management*;

D. Not cause any violation of emission standards or ambient air quality standards at the property boundary of any facility, and comply with Chapter 70.94 RCW, *Washington Clean Air Act*;

E. Operate with an approved Order of Approval from the Puget Sound Clean Air Agency (PSCAA). If the PSCAA permit is denied for any reason, the Health District's permit is subject to suspension;

F. Comply with all other applicable local, state, and federal laws and regulations.

If the performance standards of this section are not met, corrective actions (approved by the Health District) shall be designed and implemented, and enforced on a time schedule approved by the Health District.

SECTION III: SPECIFIC CONDITIONS

A. The Iron Mountain Quarry Regional Petroleum Contaminated Soil Treatment Facility (PCSTF) shall operate in accordance with the approved plan of operation dated February 4, 2014. The permittee shall notify the Health District in writing prior to any deviation from or change in the operating plan. These changes will require Health District approval prior to implementation.

B. The facility shall comply with all conditions stated in Puget Sound Clean Air Agency's (PSCAA) Order of Approval to Construct, Install or Establish permit identified as *Notification of Construction No. 10707*, Registration No. 10455 and dated February 12, 2015.

C. All incoming contaminated soil must be verified by a state approved laboratory. Incoming contaminated soil found to be inconsistent with the Testing Requirements stated in Section IV or contaminated to the extent that they are classified as dangerous waste or otherwise found to be unsuitable for treatment shall be returned to the generator. Such piles of unacceptable contaminated soils must be tarped and placed on an impervious surface until removed.

D. All incoming contaminated soils must be immediately moved under permanent cover for storage.

E. Any incoming contaminated soils proposed for storage outside permanent storage building(s) for more than three (3) months require a change to the facility's operation plan. The amended plan of operation shall include engineered plans of the surface on which the pile(s) will be placed, including an analysis of the surface under the stresses expected during operations and design of the surface water management systems, including run-on prevention and runoff conveyance, storage and treatment; design and construction standards; mitigation and testing requirements to minimize environmental contamination. The amended plan of operation must be reviewed and approved by the Health District before temporary, outside storage is implemented.

F. The permittee shall keep the following records on site at all times, and make them available for Health District review upon request:

1. Self-inspection reports.
2. Source, type and quantity of contaminated soil accepted.
3. Records of any laboratory analysis performed on incoming feedstock as well as production sampling.

G. End-use of treated petroleum contaminated soils must meet the criteria as cited in the Department of Ecology's *Guidance for Remediation of Petroleum Contaminated Soils.* Unacceptable end-use includes, but is not limited to, reuse in residential, playground, wetland, or other sensitive area applications. Treated soils must not be used in close proximity to ground water.

SECTION IV: TESTING REQUIREMENTS

A. As stated in PSCAA's Order of Approval to Construct, Install or Establish permit identified as *Notification of Construction No. 10707*, Registration No. 10455 and dated February 12, 2015, Iron Mountain Quarry PCSTF incoming soil limits are as follows:

- 1.5% Total Petroleum Hydrocarbons by weight.
- A total of combined Diesel Range Organics and Gasoline Range Organics of 15,000 ppm by weight.
- 83 ppm Chloride by weight.
- PCBs in excess of 1.0 ppm by weight.
- Total Chromium levels in excess of 48 ppm by weight.

B. Feedstock soils to be deposited into inert waste landfills must not exceed standards for the following heavy metals as shown in Model Toxics Control Act (MTCA) Table 740-1, Method A Soil Cleanup Levels for Unrestricted Land Uses – Arsenic, Cadmium, Lead, Mercury and if total Chromium exceeds 48 ppm, test for Chromium VI and Chromium III.

C. Feedstock can include Street Wastes and Vactor Wastes as defined in Department of Ecology's publication 02-04-032 providing the material is de-watered and does not exceed 15% organics per load.

D. Feedstock soils must not produce leachate outside the pH range of 6.5 – 8.5.

E. Unacceptable materials include garbage, wood, paper, materials designated as dangerous waste, pesticides, herbicides and other materials as determined by the Health District's Waste Screening Determination process.

F. Sampling criteria for incoming contaminated soils must be tested at the following frequency:

- At least 3 soil samples for less than 100 cubic yards.
- At least 5 soil samples for 101 – 500 cubic yards.
- At least 7 soil samples for 501 – 1000 cubic yards.
- At least 10 soil samples for 1001 – 2000 cubic yards.
- At least 10 soil samples test for greater than 2000 cubic yards, plus 1 additional sample for every 500 cubic yards over 2000.

G. Post-treatment sampling must be done using NWTPH-Dx testing procedure according to above mentioned sampling criteria and made available for Health District review.

SECTION V: FACILITY CLOSURE CONDITIONS

The permittee must notify the Health District sixty (60) days in advance of closure. All waste shall be removed from the pile at closure, to a facility that conforms to the applicable regulations for handling the waste.

Develop, keep and abide by a closure plan approved by the Health District as part of the permitting process. As a minimum, the closure plan shall include the methods of removing waste.

SECTION VI: COMPLIANCE SCHEDULE FOR OPERATING

Not currently operating under a compliance schedule.

SECTION VII: APPROVED PERMIT AMENDMENTS

APPENDIX V

Laboratory Data

June 23, 2016

Mr. Tim Slotta
SD & C
PO Box 2071
Kirkland, WA 98083

Dear Mr. Slotta,

On June 21st, 6 samples were received by our laboratory and assigned our laboratory project number EV16060141. The project was identified as your Nelson GF. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2016 EV16060141 EV16060141-01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 1:00:00 PM
CLIENT SAMPLE ID	EX-1 @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**79**	15	5	MG/KG	06/23/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	06/22/2016	PAB
Benzene	EPA-8021	**0.042**	0.030	1	MG/KG	06/22/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/22/2016	PAB
Ethylbenzene	EPA-8021	**0.11**	0.050	1	MG/KG	06/22/2016	PAB
Xylenes	EPA-8021	**0.29**	0.20	1	MG/KG	06/22/2016	PAB
TPH-Diesel Range	NWTPH-DX	**3400**	120	5	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	**3800**	250	5	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**95.4**	06/23/2016	PAB
TFT	EPA-8021	**104**	06/22/2016	PAB
C25 5X Dilution	NWTPH-DX	**133**	06/22/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and lube oil.
Diesel range product results biased high due to oil range product overlap.
Gasoline range product results biased high due to semivolatile range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2016 EV16060141 EV16060141-02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 2:00:00 PM
CLIENT SAMPLE ID	EX-2 @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**160**	15	5	MG/KG	06/23/2016	PAB
Benzene	EPA-8021	**0.14**	0.030	1	MG/KG	06/22/2016	PAB
Toluene	EPA-8021	**0.11**	0.050	1	MG/KG	06/22/2016	PAB
Ethylbenzene	EPA-8021	**0.43**	0.050	1	MG/KG	06/22/2016	PAB
Xylenes	EPA-8021	**0.36**	0.20	1	MG/KG	06/22/2016	PAB
TPH-Diesel Range	NWTPH-DX	**2900**	120	5	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	**3800**	250	5	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**100**	06/23/2016	PAB
TFT	EPA-8021	**102**	06/22/2016	PAB
C25 5X Dilution	NWTPH-DX	**133**	06/22/2016	EBS

Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and lube oil.
Diesel range product results biased high due to oil range product overlap.
Gasoline range product results biased high due to semivolatile range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2016 EV16060141 EV16060141-03
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 3:00:00 PM
CLIENT SAMPLE ID	A1F#1 @ 7'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	06/21/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	06/21/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	06/21/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/21/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**73.9**	06/21/2016	PAB
TFT	EPA-8021	**75.9**	06/21/2016	PAB
C25	NWTPH-DX	**89.9**	06/22/2016	EBS

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

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2016 EV16060141 EV16060141-04
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 4:00:00 PM
CLIENT SAMPLE ID	A1F#2 @ 7'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	06/21/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	06/21/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/21/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**71.6**	06/21/2016	PAB
TFT	EPA-8021	**73.9**	06/21/2016	PAB
C25	NWTPH-DX	**109**	06/22/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C	DATE:	6/23/2016
	PO Box 2071	ALS JOB#:	EV16060141
	Kirkland, WA 98083	ALS SAMPLE#:	EV16060141-05
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 4:15:00 PM
CLIENT SAMPLE ID	A1NW @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**61**	9.6	1	MG/KG	06/21/2016	PAB
Benzene	EPA-8021	U	0.077	1	MG/KG	06/21/2016	PAB
Toluene	EPA-8021	U	0.063	1	MG/KG	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	0.072	1	MG/KG	06/21/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/21/2016	PAB
TPH-Diesel Range	NWTPH-DX	**460**	46	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	**590**	89	1	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**72.8**	06/21/2016	PAB
TFT	EPA-8021	**75.8**	06/21/2016	PAB
C25	NWTPH-DX	**108**	06/22/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains extremely weathered gasoline, an unidentified diesel range product and an unidentified oil range product.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/23/2016 EV16060141 EV16060141-06
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 4:45:00 PM
CLIENT SAMPLE ID	A1SW @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	06/22/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	06/22/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/22/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/22/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/22/2016	PAB
TPH-Diesel Range	NWTPH-DX	ND- F2	26	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	ND- F2	52	1	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**87.1**	06/22/2016	PAB
TFT	EPA-8021	**84.6**	06/22/2016	PAB
C25	NWTPH-DX	**113**	06/22/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
F2 - Reporting limit for compound raised due to low percent solids.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	6/23/2016 EV16060141 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY BLANK RESULTS

MBG-062116S - Batch 105650 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	06/21/2016	PAB

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

MB-062116S - Batch 105650 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	MG/KG	0.10	06/21/2016	PAB
Benzene	EPA-8021	U	MG/KG	0.030	06/21/2016	PAB
Toluene	EPA-8021	U	MG/KG	0.050	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	MG/KG	0.050	06/21/2016	PAB
Xylenes	EPA-8021	U	MG/KG	0.20	06/21/2016	PAB

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

MB-062016S - Batch 105602 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	06/20/2016	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	06/20/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	6/23/2016 EV16060141 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 105650 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**90.2**			66.5	122.7	06/21/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	**91.8**	**2**		66.5	122.7	06/21/2016	PAB

ALS Test Batch ID: 105650 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	**96.6**			66	116	06/21/2016	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	**95.1**	**2**		66	116	06/21/2016	PAB
Benzene - BS	EPA-8021	**90.3**			67.7	124	06/21/2016	PAB
Benzene - BSD	EPA-8021	**89.2**	**1**		67.7	124	06/21/2016	PAB
Toluene - BS	EPA-8021	**91.7**			71	123	06/21/2016	PAB
Toluene - BSD	EPA-8021	**89.7**	**2**		71	123	06/21/2016	PAB
Ethylbenzene - BS	EPA-8021	**94.4**			69.8	117	06/21/2016	PAB
Ethylbenzene - BSD	EPA-8021	**92.4**	**2**		69.8	117	06/21/2016	PAB
Xylenes - BS	EPA-8021	**97.1**			70	119	06/21/2016	PAB
Xylenes - BSD	EPA-8021	**95.2**	**2**		70	119	06/21/2016	PAB

ALS Test Batch ID: 105602 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**103**			75.5	122.1	06/20/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**107**	**4**		75.5	122.1	06/20/2016	EBS

APPROVED BY

Laboratory Director

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ALS Environmental
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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1606014 1

Date 6/21/16 Page 1 Of 1

PROJECT ID: NELSON GF
REPORT TO COMPANY: SD&C
PROJECT MANAGER: T. SLOTTA
ADDRESS: P.O. BOX 2071
KIRKLAND, WA 98083
PHONE: (206) 459-5775 FAX:
P.O. #: E-MAIL: TS4SDC@HOTMAIL.COM
INVOICE TO COMPANY: SD&C
ATTENTION: T. SLOTTA
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8260 ☐ / BTEX by EPA 8021 ☐	MTBE by EPA 8260 ☐ / MTBE by EPA 8021 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. EX-1 @ 5'	6/21/16	13:00	SOIL	1		X	X	X	X				X				X			2	
2. EX-2 @ 5'	"	14:00	"	2		X	X	X	X											2	
3. A1F#1 @ 7'	"	15:00	"	3		X	X	X	X				X				X			2	
4. A1F#2 @ 7'	"	16:00	"	4		X	X	X												2	
5. A1NW @ 5'	"	16:15	"	5		X	X	X												2	
~~6. A1 EW @ 5'~~	~~"~~	~~16:30~~	~~"~~			~~X~~	~~X~~	~~X~~												2	
7. A1 SW @ 5'	"	16:45	"	6		X	X	X												2	
8.	"		"																		
9.	"		"																		
10.	"		"																		

OTHER (Specify)

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: T. Slotta, SD&C 6/21/16 3:35
Received By: Shawn Robinson ALS 6/21/16 3:35
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: ~~10~~ Standard | 5 | 3 | ~~X~~ | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

2 day

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

June 24, 2016

Mr. Tim Slotta
SD & C
PO Box 2071
Kirkland, WA 98083

Dear Mr. Slotta,

On June 21st, 6 samples were received by our laboratory and assigned our laboratory project number EV16060141. The project was identified as your Nelson GF. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060141 EV16060141-01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 1:00:00 PM
CLIENT SAMPLE ID	EX-1 @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**79**	15	5	MG/KG	06/23/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	06/22/2016	PAB
Benzene	EPA-8021	**0.042**	0.030	1	MG/KG	06/22/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/22/2016	PAB
Ethylbenzene	EPA-8021	**0.11**	0.050	1	MG/KG	06/22/2016	PAB
Xylenes	EPA-8021	**0.29**	0.20	1	MG/KG	06/22/2016	PAB
TPH-Diesel Range	NWTPH-DX	**3400**	120	5	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	**3800**	250	5	MG/KG	06/22/2016	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/22/2016	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	06/22/2016	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	06/22/2016	RAL
Arsenic	EPA-6020	**16**	1.0	5	MG/KG	06/23/2016	RAL
Barium	EPA-6020	**110**	0.50	5	MG/KG	06/23/2016	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	06/23/2016	RAL
Chromium	EPA-6020	**39**	0.50	5	MG/KG	06/23/2016	RAL
Lead	EPA-6020	**5.7**	0.50	5	MG/KG	06/23/2016	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	06/23/2016	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	06/23/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**95.4**	06/23/2016	PAB
TFT	EPA-8021	**104**	06/22/2016	PAB
C25 5X Dilution	NWTPH-DX	**133**	06/22/2016	EBS
1,2-Dichloroethane-d4	EPA-8260	**104**	06/22/2016	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and lube oil.
Diesel range product results biased high due to oil range product overlap.
Gasoline range product results biased high due to semivolatile range product overlap.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060141 EV16060141-02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 2:00:00 PM
CLIENT SAMPLE ID	EX-2 @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**160**	15	5	MG/KG	06/23/2016	PAB
Benzene	EPA-8021	**0.14**	0.030	1	MG/KG	06/22/2016	PAB
Toluene	EPA-8021	**0.11**	0.050	1	MG/KG	06/22/2016	PAB
Ethylbenzene	EPA-8021	**0.43**	0.050	1	MG/KG	06/22/2016	PAB
Xylenes	EPA-8021	**0.36**	0.20	1	MG/KG	06/22/2016	PAB
TPH-Diesel Range	NWTPH-DX	**2900**	120	5	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	**3800**	250	5	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**100**	06/23/2016	PAB
TFT	EPA-8021	**102**	06/22/2016	PAB
C25 5X Dilution	NWTPH-DX	**133**	06/22/2016	EBS

Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and lube oil.
Diesel range product results biased high due to oil range product overlap.
Gasoline range product results biased high due to semivolatile range product overlap.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060141 EV16060141-03
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 3:00:00 PM
CLIENT SAMPLE ID	A1F#1 @ 7'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	06/21/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	06/21/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	06/21/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/21/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/22/2016	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/22/2016	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	06/22/2016	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	06/22/2016	RAL
Arsenic	EPA-6020	U	1.0	5	MG/KG	06/23/2016	RAL
Barium	EPA-6020	**92**	0.50	5	MG/KG	06/23/2016	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	06/23/2016	RAL
Chromium	EPA-6020	**37**	0.50	5	MG/KG	06/23/2016	RAL
Lead	EPA-6020	**3.2**	0.50	5	MG/KG	06/23/2016	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	06/23/2016	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	06/23/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**73.9**	06/21/2016	PAB
TFT	EPA-8021	**75.9**	06/21/2016	PAB
C25	NWTPH-DX	**89.9**	06/22/2016	EBS
1,2-Dichloroethane-d4	EPA-8260	**93.1**	06/22/2016	DLC

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060141 EV16060141-04
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 4:00:00 PM
CLIENT SAMPLE ID	A1F#2 @ 7'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	06/21/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	06/21/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/21/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/21/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**71.6**	06/21/2016	PAB
TFT	EPA-8021	**73.9**	06/21/2016	PAB
C25	NWTPH-DX	**109**	06/22/2016	EBS

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

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ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060141 EV16060141-05
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 4:15:00 PM
CLIENT SAMPLE ID	A1NW @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**61**	9.6	1	MG/KG	06/21/2016	PAB
Benzene	EPA-8021	U	0.077	1	MG/KG	06/21/2016	PAB
Toluene	EPA-8021	U	0.063	1	MG/KG	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	0.072	1	MG/KG	06/21/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/21/2016	PAB
TPH-Diesel Range	NWTPH-DX	**460**	46	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	**590**	89	1	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**72.8**	06/21/2016	PAB
TFT	EPA-8021	**75.8**	06/21/2016	PAB
C25	NWTPH-DX	**108**	06/22/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains extremely weathered gasoline, an unidentified diesel range product and an unidentified oil range product.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060141 EV16060141-06
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/21/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/21/2016 4:45:00 PM
CLIENT SAMPLE ID	A1SW @ 5'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	06/22/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	06/22/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/22/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/22/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/22/2016	PAB
TPH-Diesel Range	NWTPH-DX	ND- F2	26	1	MG/KG	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	ND- F2	52	1	MG/KG	06/22/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**87.1**	06/22/2016	PAB
TFT	EPA-8021	**84.6**	06/22/2016	PAB
C25	NWTPH-DX	**113**	06/22/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
F2 - Reporting limit for compound raised due to low percent solids.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	6/24/2016 EV16060141 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY BLANK RESULTS

MBG-062116S - Batch 105650 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	06/21/2016	PAB

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

MB-062116S - Batch 105650 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	MG/KG	0.10	06/21/2016	PAB
Benzene	EPA-8021	U	MG/KG	0.030	06/21/2016	PAB
Toluene	EPA-8021	U	MG/KG	0.050	06/21/2016	PAB
Ethylbenzene	EPA-8021	U	MG/KG	0.050	06/21/2016	PAB
Xylenes	EPA-8021	U	MG/KG	0.20	06/21/2016	PAB

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

MB-062016S - Batch 105602 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	06/20/2016	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	06/20/2016	EBS

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

MB-062216S - Batch 105685 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	06/22/2016	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	06/22/2016	DLC
Toluene	EPA-8260	U	UG/KG	10	06/22/2016	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	06/22/2016	DLC

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

MBLK-276899 - Batch R276899 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	06/22/2016	RAL

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	6/24/2016 EV16060141 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY BLANK RESULTS

MB-062216S - Batch 105651 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	06/23/2016	RAL
Barium	EPA-6020	U	MG/KG	0.10	06/23/2016	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	06/23/2016	RAL
Chromium	EPA-6020	U	MG/KG	0.10	06/23/2016	RAL
Lead	EPA-6020	U	MG/KG	0.10	06/23/2016	RAL
Selenium	EPA-6020	U	MG/KG	1.0	06/23/2016	RAL
Silver	EPA-6020	U	MG/KG	0.10	06/23/2016	RAL

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	6/24/2016 EV16060141 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 105650 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**90.2**			66.5	122.7	06/21/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	**91.8**	**2**		66.5	122.7	06/21/2016	PAB

ALS Test Batch ID: 105650 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	**96.6**			66	116	06/21/2016	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	**95.1**	**2**		66	116	06/21/2016	PAB
Benzene - BS	EPA-8021	**90.3**			67.7	124	06/21/2016	PAB
Benzene - BSD	EPA-8021	**89.2**	**1**		67.7	124	06/21/2016	PAB
Toluene - BS	EPA-8021	**91.7**			71	123	06/21/2016	PAB
Toluene - BSD	EPA-8021	**89.7**	**2**		71	123	06/21/2016	PAB
Ethylbenzene - BS	EPA-8021	**94.4**			69.8	117	06/21/2016	PAB
Ethylbenzene - BSD	EPA-8021	**92.4**	**2**		69.8	117	06/21/2016	PAB
Xylenes - BS	EPA-8021	**97.1**			70	119	06/21/2016	PAB
Xylenes - BSD	EPA-8021	**95.2**	**2**		70	119	06/21/2016	PAB

ALS Test Batch ID: 105602 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**103**			75.5	122.1	06/20/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**107**	**4**		75.5	122.1	06/20/2016	EBS

ALS Test Batch ID: 105685 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	**99.7**			73	138	06/22/2016	DLC
1,1-Dichloroethene - BSD	EPA-8260	**99.0**	**1**		73	138	06/22/2016	DLC
Toluene - BS	EPA-8260	**104**			76	134	06/22/2016	DLC
Toluene - BSD	EPA-8260	**103**	**1**		76	134	06/22/2016	DLC

ALS Test Batch ID: R276899 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Mercury - BS	EPA-7471	**102**			81.8	117	06/22/2016	RAL
Mercury - BSD	EPA-7471	**99.0**	**3**		81.8	117	06/22/2016	RAL

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CERTIFICATE OF ANALYSIS

CLIENT: SD & C
PO Box 2071
Kirkland, WA 98083

CLIENT CONTACT: Tim Slotta
CLIENT PROJECT: Nelson GF

DATE: 6/24/2016
ALS SDG#: EV16060141
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 105651 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-6020	**102**			80	120	06/23/2016	RAL
Arsenic - BSD	EPA-6020	**102**	**0**		80	120	06/23/2016	RAL
Barium - BS	EPA-6020	**104**			80	120	06/23/2016	RAL
Barium - BSD	EPA-6020	**105**	**1**		80	120	06/23/2016	RAL
Cadmium - BS	EPA-6020	**104**			80	120	06/23/2016	RAL
Cadmium - BSD	EPA-6020	**104**	**1**		80	120	06/23/2016	RAL
Chromium - BS	EPA-6020	**102**			80	120	06/23/2016	RAL
Chromium - BSD	EPA-6020	**103**	**1**		80	120	06/23/2016	RAL
Lead - BS	EPA-6020	**104**			80	120	06/23/2016	RAL
Lead - BSD	EPA-6020	**103**	**0**		80	120	06/23/2016	RAL
Selenium - BS	EPA-6020	**106**			80	120	06/23/2016	RAL
Selenium - BSD	EPA-6020	**104**	**2**		80	120	06/23/2016	RAL
Silver - BS	EPA-6020	**104**			80	120	06/23/2016	RAL
Silver - BSD	EPA-6020	**106**	**2**		80	120	06/23/2016	RAL

APPROVED BY

Laboratory Director

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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1606014 1

Date 6/21/16 Page 1 Of 1

PROJECT ID: NELSON GF
REPORT TO COMPANY: SD&C
PROJECT MANAGER: T. SLOTTA
ADDRESS: P.O. BOX 2071
KIRKLAND, WA 98083
PHONE: (206) 459-5775 FAX:
P.O. #: E-MAIL: TS4SDC@HOTMAIL.COM
INVOICE TO COMPANY: SD&C
ATTENTION: T. SLOTTA
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☒ / BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☒ / MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☒ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. EX-1 @ 5'	6/21/16	13:00	SOIL	1		X	X	X	X				X				X			2	
2. EX-2 @ 5'	"	14:00	"	2		X	X	X	X											2	
3. A1F#1 @ 7'	"	15:00	"	3		X	X	X	X				X				X			2	
4. A1F#2 @ 7'	"	16:00	"	4		X	X	X												2	
5. A1NW @ 5'	"	16:15	"	5		X	X	X												2	
~~6. A1 EW @ 5'~~	~~"~~	~~16:30~~	~~"~~			X	X	X												2	
7. A1 SW @ 5'	"	16:45	"	6		X	X	X												2	
8.	"		"																		
9.	"		"																		
10.	"		"																		

OTHER (Specify)

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: T. Slotta, SD&C 6/21/16 3:35
Received By: Shawn Robinson ALS 6/21/16 3:35
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: ☒ 10 Standard | 5 | 3 | ☒ | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

2 day

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

June 29, 2016

Mr. Tim Slotta
SD & C
PO Box 2071
Kirkland, WA 98083

Dear Mr. Slotta,

On June 27th, 2 samples were received by our laboratory and assigned our laboratory project number EV16060186. The project was identified as your Nelson GF. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/29/2016 EV16060186 EV16060186-01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/27/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/27/2016 12:00:00 PM
CLIENT SAMPLE ID	A2 SW @ 6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**770**	60	20	MG/KG	06/28/2016	PAB
Benzene	EPA-8021	U	0.60	20	MG/KG	06/28/2016	PAB
Toluene	EPA-8021	U	1.0	20	MG/KG	06/28/2016	PAB
Ethylbenzene	EPA-8021	**3.3**	1.0	20	MG/KG	06/28/2016	PAB
Xylenes	EPA-8021	U	4.0	20	MG/KG	06/28/2016	PAB
TPH-Diesel Range	NWTPH-DX	**11000**	120	5	MG/KG	06/27/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	5	MG/KG	06/27/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	**72.0**	06/28/2016	PAB
TFT 20X Dilution	EPA-8021	**73.5**	06/28/2016	PAB
C25 5X Dilution	NWTPH-DX	**122**	06/27/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.
Gasoline range product results biased high due to semivolatile range product overlap.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	6/29/2016 EV16060186 EV16060186-02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/27/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/27/2016 1:00:00 PM
CLIENT SAMPLE ID	A2 F @ 9'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	06/27/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	06/27/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	06/27/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/27/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/27/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/27/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/27/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**62.8**	06/27/2016	PAB
TFT	EPA-8021	**63.5**	06/27/2016	PAB
C25	NWTPH-DX	**93.8**	06/27/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	6/29/2016 EV16060186 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY BLANK RESULTS

MBG-062716S - Batch 105805 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	06/27/2016	PAB

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

MB-062716S - Batch 105805 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	06/27/2016	PAB
Toluene	EPA-8021	U	MG/KG	0.050	06/27/2016	PAB
Ethylbenzene	EPA-8021	U	MG/KG	0.050	06/27/2016	PAB
Xylenes	EPA-8021	U	MG/KG	0.20	06/27/2016	PAB

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

MB-062216S - Batch 105635 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	06/22/2016	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	06/22/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	6/29/2016 EV16060186 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 105805 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**92.3**			66.5	122.7	06/27/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	**92.7**	**1**		66.5	122.7	06/27/2016	PAB

ALS Test Batch ID: 105805 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**90.7**			67.7	124	06/27/2016	PAB
Benzene - BSD	EPA-8021	**89.5**	**1**		67.7	124	06/27/2016	PAB
Toluene - BS	EPA-8021	**93.7**			71	123	06/27/2016	PAB
Toluene - BSD	EPA-8021	**92.7**	**1**		71	123	06/27/2016	PAB
Ethylbenzene - BS	EPA-8021	**96.1**			69.8	117	06/27/2016	PAB
Ethylbenzene - BSD	EPA-8021	**94.7**	**1**		69.8	117	06/27/2016	PAB
Xylenes - BS	EPA-8021	**93.1**			70	119	06/27/2016	PAB
Xylenes - BSD	EPA-8021	**91.9**	**1**		70	119	06/27/2016	PAB

ALS Test Batch ID: 105635 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**111**			75.5	122.1	06/22/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**102**	**8**		75.5	122.1	06/22/2016	EBS

APPROVED BY

Laboratory Director

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ALS Group USA, Corp dba ALS Environmental

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1606O186

Date 6/27/16 Page 1 Of 1

PROJECT ID: NELSON GF
REPORT TO COMPANY: SDqC
PROJECT MANAGER: T. SLOTTA
ADDRESS: P.O. BOX 2071
KIRKLAND, WA 98083
PHONE: (206) 459-5775 FAX:
P.O. #: E-MAIL: TS4SDC@HOTMAIL.COM
INVOICE TO COMPANY: SDqC
ATTENTION: T. SLOTTA
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. A2SW@6'	6/27/16	12:00	SOIL	1		X	X	X														
2. A2F@9'	6/27/16	13:00	SOIL	2		X	X	X														
3.																						
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: SDqC 6/27/16 13:45
Received By: ALS 6/27/16 13:45
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

2 DAY

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

July 7, 2016

Mr. Tim Slotta
SD & C
PO Box 2071
Kirkland, WA 98083

Dear Mr. Slotta,

On June 29th, 4 samples were received by our laboratory and assigned our laboratory project number EV16060213. The project was identified as your Nelson GF. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/7/2016 EV16060213 EV16060213-01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/29/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/29/2016 12:00:00 PM
CLIENT SAMPLE ID	A2F2 @ 9'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**4.9**	3.0	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/30/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/30/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**84.2**	07/01/2016	PAB
TFT	EPA-8021	**81.9**	07/01/2016	PAB
C25	NWTPH-DX	**76.0**	06/30/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/7/2016 EV16060213 EV16060213-02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/29/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/29/2016 12:30:00 PM
CLIENT SAMPLE ID	A3F @ 7'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**4.8**	3.0	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/30/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/30/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**79.8**	07/01/2016	PAB
TFT	EPA-8021	**75.4**	07/01/2016	PAB
C25	NWTPH-DX	**82.7**	06/30/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/7/2016 EV16060213 EV16060213-03
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/29/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/29/2016 1:30:00 PM
CLIENT SAMPLE ID	A1EW @ 6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**21**	3.0	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	**1800**	120	5	MG/KG	07/05/2016	EBS
TPH-Oil Range	NWTPH-DX	**1600**	250	5	MG/KG	07/05/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**36.7 GS1**	07/01/2016	PAB
TFT	EPA-8021	**35.6 GS1**	07/01/2016	PAB
C25 5X Dilution	NWTPH-DX	**111**	07/05/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and lube oil.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/7/2016 EV16060213 EV16060213-04
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	06/29/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	6/29/2016 2:00:00 PM
CLIENT SAMPLE ID	A1NW2 @ 6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/30/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/30/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**37.1 GS1**	07/01/2016	PAB
TFT	EPA-8021	**35.8 GS1**	07/01/2016	PAB
C25	NWTPH-DX	**96.1**	06/30/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C	DATE:	7/7/2016
	PO Box 2071	ALS SDG#:	EV16060213
	Kirkland, WA 98083	WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY BLANK RESULTS

MBG-062916S - Batch 105904 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	06/29/2016	PAB

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

MB-062916S - Batch 105904 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	06/29/2016	PAB
Toluene	EPA-8021	U	MG/KG	0.050	06/29/2016	PAB
Ethylbenzene	EPA-8021	U	MG/KG	0.050	06/29/2016	PAB
Xylenes	EPA-8021	U	MG/KG	0.20	06/29/2016	PAB

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

MB-063016S - Batch 105943 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	06/30/2016	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	06/30/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	7/7/2016 EV16060213 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 105904 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**85.8**			66.5	122.7	06/29/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	**89.0**	**4**		66.5	122.7	06/29/2016	PAB

ALS Test Batch ID: 105904 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**93.9**			67.7	124	06/29/2016	PAB
Benzene - BSD	EPA-8021	**89.1**	**5**		67.7	124	06/29/2016	PAB
Toluene - BS	EPA-8021	**98.2**			71	123	06/29/2016	PAB
Toluene - BSD	EPA-8021	**95.4**	**3**		71	123	06/29/2016	PAB
Ethylbenzene - BS	EPA-8021	**96.4**			69.8	117	06/29/2016	PAB
Ethylbenzene - BSD	EPA-8021	**94.7**	**2**		69.8	117	06/29/2016	PAB
Xylenes - BS	EPA-8021	**96.1**			70	119	06/29/2016	PAB
Xylenes - BSD	EPA-8021	**94.4**	**2**		70	119	06/29/2016	PAB

ALS Test Batch ID: 105943 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**110**			75.5	122.1	06/30/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**114**	**4**		75.5	122.1	06/30/2016	EBS

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
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Phone (425) 356-2600
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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV1606021 3

Date _____ Page _____ Of _____

PROJECT ID: NELSON GF
REPORT TO COMPANY: SDG C
PROJECT MANAGER: T. SLOTTA
ADDRESS: P.O. BOX 2071
KIRKLAND, WA 98083
PHONE: (206) 459-5275 FAX:
P.O. #: E-MAIL: TS4SDC@HOTMAIL.COM
INVOICE TO COMPANY: SDG C
ATTENTION: T. SLOTTA
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. A2F2@9'	6/29/16	12:00	Soil	1		X	X	X														
2. A3F@9'	6/29/16	12:30	"	2		X	X	X														
~~3. A3F2@9'~~	~~"~~	~~13:00~~	~~"~~			~~X~~	~~X~~	~~X~~														
4. A1EW@6'	"	13:30	"	3		X	X	X														
5. A1NW2@6'	"	14:00	"	4		X	X	X														
6.																						
7.																						
8.																						
9.																						
10.																						

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date/Time):

1. Relinquished By: _____ 6/29/16
Received By: _____ ALS 6/29/16 5:10
2. Relinquished By: _____
Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER:
Specify: _____

* Turnaround request less than standard may incur Rush Charges

July 12, 2016

Mr. Tim Slotta
SD & C
PO Box 2071
Kirkland, WA 98083

Dear Mr. Slotta,

On July 8th, 6 samples were received by our laboratory and assigned our laboratory project number EV16070037. The project was identified as your Nelson GF. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/12/2016 EV16070037 EV16070037-01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	07/08/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	7/7/2016 10:30:00 AM
CLIENT SAMPLE ID	A3SW@6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**23**	3.0	1	MG/KG	07/11/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/11/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/11/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/11/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/11/2016	PAB
TPH-Diesel Range	NWTPH-DX	**140**	25	1	MG/KG	07/08/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/08/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**60.6**	07/11/2016	PAB
TFT	EPA-8021	**65.9**	07/11/2016	PAB
C25	NWTPH-DX	**102**	07/08/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.
Gasoline range product results biased high due to semivolatile range product overlap.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE:	7/12/2016
		ALS JOB#:	EV16070037
		ALS SAMPLE#:	EV16070037-02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	07/08/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	7/6/2016
CLIENT SAMPLE ID	A2F3@9'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**14**	3.0	1	MG/KG	07/11/2016	PAB
Benzene	EPA-8021	**0.49**	0.030	1	MG/KG	07/11/2016	PAB
Toluene	EPA-8021	**0.12**	0.050	1	MG/KG	07/11/2016	PAB
Ethylbenzene	EPA-8021	**0.061**	0.050	1	MG/KG	07/11/2016	PAB
Xylenes	EPA-8021	**0.31**	0.20	1	MG/KG	07/11/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/08/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/08/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**44.2 GS1**	07/11/2016	PAB
TFT	EPA-8021	**55.2 GS1**	07/11/2016	PAB
C25	NWTPH-DX	**98.8**	07/08/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.
Gasoline range product results biased high due to semivolatile range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/12/2016 EV16070037 EV16070037-03
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	07/08/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	7/6/2016 12:00:00 PM
CLIENT SAMPLE ID	A2SWW@6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**150**	15	5	MG/KG	07/11/2016	PAB
Benzene	EPA-8021	**0.36**	0.030	1	MG/KG	07/12/2016	PAB
Toluene	EPA-8021	**0.10**	0.050	1	MG/KG	07/12/2016	PAB
Ethylbenzene	EPA-8021	**0.47**	0.050	1	MG/KG	07/12/2016	PAB
Xylenes	EPA-8021	**0.52**	0.20	1	MG/KG	07/12/2016	PAB
TPH-Diesel Range	NWTPH-DX	**390**	25	1	MG/KG	07/08/2016	EBS
TPH-Oil Range	NWTPH-DX	ND- F2	51	1	MG/KG	07/08/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	**77.4**	07/11/2016	PAB
TFT	EPA-8021	**55.6 GS1**	07/12/2016	PAB
C25	NWTPH-DX	**108**	07/08/2016	EBS

GS1 - Surrogate outside of control limits due to matrix effect.
F2 - Reporting limit for compound raised due to low percent solids.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.
Gasoline range product results biased high due to semivolatile range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/12/2016 EV16070037 EV16070037-04
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	07/08/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	7/7/2016 11:30:00 AM
CLIENT SAMPLE ID	A2WW@6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**110**	6.0	2	MG/KG	07/11/2016	PAB
Benzene	EPA-8021	U	0.060	2	MG/KG	07/11/2016	PAB
Toluene	EPA-8021	U	0.10	2	MG/KG	07/11/2016	PAB
Ethylbenzene	EPA-8021	U	0.10	2	MG/KG	07/11/2016	PAB
Xylenes	EPA-8021	U	0.40	2	MG/KG	07/11/2016	PAB
TPH-Diesel Range	NWTPH-DX	**900**	25	1	MG/KG	07/08/2016	EBS
TPH-Oil Range	NWTPH-DX	**110**	50	1	MG/KG	07/08/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	**50.2 GS1**	07/11/2016	PAB
TFT 2X Dilution	EPA-8021	**49.7 GS1**	07/11/2016	PAB
C25	NWTPH-DX	**97.6**	07/08/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and lube oil.
Oil range product results biased high due to diesel range product overlap.
Gasoline range product results biased high due to semivolatile range product overlap.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/12/2016 EV16070037 EV16070037-05
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	07/08/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	7/7/2016 9:00:00 AM
CLIENT SAMPLE ID	A2NW@6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/08/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/08/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/08/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/08/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/08/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/08/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/08/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**73.3**	07/08/2016	PAB
TFT	EPA-8021	**84.0**	07/08/2016	PAB
C25	NWTPH-DX	**90.2**	07/08/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	7/12/2016 EV16070037 EV16070037-06
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	07/08/2016
CLIENT PROJECT:	Nelson GF	COLLECTION DATE:	7/7/2016 10:00:00 AM
CLIENT SAMPLE ID	A3NW@6'	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**8.7**	3.0	1	MG/KG	07/08/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/08/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/08/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/08/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/08/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/08/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/08/2016	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**73.8**	07/08/2016	PAB
TFT	EPA-8021	**84.7**	07/08/2016	PAB
C25	NWTPH-DX	**99.6**	07/08/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.
Gasoline range product results biased high due to semivolatile range product overlap.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	7/12/2016 EV16070037 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY BLANK RESULTS

MBG-070816S2 - Batch 106155 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	07/08/2016	PAB

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

MB-070816S2 - Batch 106155 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	07/08/2016	PAB
Toluene	EPA-8021	U	MG/KG	0.050	07/08/2016	PAB
Ethylbenzene	EPA-8021	U	MG/KG	0.050	07/08/2016	PAB
Xylenes	EPA-8021	U	MG/KG	0.20	07/08/2016	PAB

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

MB-070716S - Batch 106081 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	07/07/2016	EBS

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

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	7/12/2016 EV16070037 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Nelson GF		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 106155 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**86.0**			66.5	122.7	07/08/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	**92.9**	**8**		66.5	122.7	07/08/2016	PAB

ALS Test Batch ID: 106155 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	**102**			67.7	124	07/08/2016	PAB
Benzene - BSD	EPA-8021	**96.2**	**6**		67.7	124	07/11/2016	PAB
Toluene - BS	EPA-8021	**97.5**			71	123	07/08/2016	PAB
Toluene - BSD	EPA-8021	**93.6**	**4**		71	123	07/11/2016	PAB
Ethylbenzene - BS	EPA-8021	**92.7**			69.8	117	07/08/2016	PAB
Ethylbenzene - BSD	EPA-8021	**91.9**	**1**		69.8	117	07/11/2016	PAB
Xylenes - BS	EPA-8021	**92.8**			70	119	07/08/2016	PAB
Xylenes - BSD	EPA-8021	**91.9**	**1**		70	119	07/11/2016	PAB

ALS Test Batch ID: 106081 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**93.6**			75.5	122.1	07/07/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**101**	**7**		75.5	122.1	07/07/2016	EBS

APPROVED BY

Laboratory Director

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ALS Environmental
8620 Holly Drive, Suite 100
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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1607037

Date 7/8/16 Page 1 Of 1

PROJECT ID:	NELSON GF
REPORT TO COMPANY:	SDgC
PROJECT MANAGER:	T. SLOTTA
ADDRESS:	P.O. Box 2071
	KIRKLAND, WA 98083
PHONE:	(206)459-5775 FAX:
P.O. #:	E-MAIL: TS4SDC@HOTMAIL.COM
INVOICE TO COMPANY:	SDgC.
ATTENTION:	T. SLOTTA
ADDRESS:	

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. A3SW@6'	7/7/16	1030	Soil	1		X	X	X																							2	
2. A2F3@9'	7/6/16	-	"	2		X	X	X																							2	
3. A2SWW@6'	7/6/16	1200	"	3		X	X	X																							2	
4. A2WW@6'	7/7/16	11:30	"	4		X	X	X																							2	
5. A2NW@6'	7/7/16	900	"	5		X	X	X																							2	
6. A3NW@6'	7/7/16	10:00	"	6		X	X	X																							2	
7.																																
8.																																
9.																																
10.																																

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: SDgC
   Received By: ALS 7/8/16 7:45
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 (Standard) | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 (Standard) | 3 | 1 | SAME DAY ☐ 2 DAY

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges