



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

☒ Check this box if you have attached any documents to this form (using the paperclip icon on the left).

ERTS #(s):

715550

Parcel # (s):

816900051200

County:

Grays Harbor

FSID #:

100003493

CSID #:

17200

UST #:

[Click to enter text.](#)

## SITE INFORMATION

<u>Site Name (Name over door):</u> <b>CCS Vac-truck Hydraulic Oil Release</b>	<u>Site Address (including City, State, and Zip):</u> <b>358 Compass St, Pacific Beach, WA 98571</b>	<u>Phone</u> <a href="#">Click to enter text.</a> <u>Email</u> <a href="#">Click to enter text.</a>
<u>Site Contact, Title, Business:</u> <b>Dakota Davis, Environmental Technician, Cowlitz Clean Sweep</b>	<u>Site Contact Address (including City, State, and Zip):</u> <b>55 International Way, Longview, WA 98632</b>	<u>Phone</u> <b>888.423.6316</b> <u>Email</u> <b>DakotaD@ccs-pneco.com</b>
<u>Site Owner, Title Business:</u> <b>Seabrook Construction Company LLC</b>	<u>Site Owner Address (including City, State, and Zip):</u> <b>PO BOX 422, Pacific Beach, WA 98571</b>	<u>Phone</u> <b>360.276.0175</b> <u>Email</u> <a href="#">Click to enter text.</a>
<u>Site Owner Contact, Title, Business:</u> <a href="#">Click to enter text.</a>	<u>Site Owner Contact Address (Including City, State, and Zip):</u> <a href="#">Click to enter text.</a>	<u>Phone</u> <a href="#">Click to enter text.</a> <u>Email</u> <a href="#">Click to enter text.</a>
<u>Previous Site Owner(s):</u> <b>Western States Asset Management Inc.</b>	<u>Additional Info (for any Site Information Item):</u> <a href="#">Click to enter text.</a>	
<u>Alternate Site Name(s):</u> <a href="#">Click to enter text.</a>		

<u>Latitude (Decimal Degrees):</u>	<b>47.192928</b>	<u>Longitude (Decimal Degrees):</u>	<b>-124.188497</b>
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## INSPECTION INFORMATION

☐ Please check this box if there is relevant inspection information, such as data or photos, in an existing site report for this site.

<u>Inspection Conducted?</u> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<u>Date/Time:</u> <a href="#">Click to enter text.</a>	<u>Entry Notice:</u>	Announced <input type="checkbox"/>	Unannounced <input type="checkbox"/>
<u>Photographs taken?</u>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Note: Attach photographs or upload to PIMS		
<u>Samples Collected?</u>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Note: Attach record with media, location, depth, etc.		

## RECOMMENDATION

<b>No Further Action</b> (Check appropriate box below):	<b>LIST on Confirmed and Suspected Contaminated Sites List:</b> <input checked="" type="checkbox"/>
Release or threatened release does not pose a threat <input type="checkbox"/>	
No release or threatened release <input type="checkbox"/>	
Refer to program/agency (Name: <a href="#">Click to enter text.</a> ) <input type="checkbox"/>	
Independent Cleanup Action Completed (contamination removed) <input type="checkbox"/>	

## COMPLAINT (Brief Summary of ERTS Complaint):

<b>A mechanical malfunction released 60-70 gallons of hydraulic oil from a Vac-Truck.</b>
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## CURRENT SITE STATUS (Brief Summary of why Site is recommended for Listing or NFA):

<b>Incorrect and insufficient demonstration of Site being cleaned up.</b>
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Investigator: <b>Aaren Fiedler</b>	Date Submitted: <b>3/23/2023</b>
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**OBSERVATIONS** ☐ Please check this box if you included information on the Supplemental Page at end of report.

**Description** (If site visit made, please be sure to include the following: site observations, site features and cover, chronology of events, sources/past practices likely responsible for contamination, presence of water supply wells and other potential exposure pathways, etc):

The ERTS was originally reported as being located at 4275 State Route 109. After communicating with Cowlitz Clean Sweep (CCS) personnel, I was given the coordinates listed above (page 1). The release appears to have occurred in a developing residential community. Older records place it in Grays Harbor parcel number 201228310030 and without an address (See Ecology Figure 1). The release location appears to be currently located at the address given above (page 1) and at Grays Harbor parcel number 816900051200. A print out from the Grays Harbor Parcel Mapping Web Site is attached.

An accident occurred that caused approximately fifty gallons of hydraulic oil to be released from a Cowlitz Clean Sweep (CCS) Vac-Truck that appears to have been present at a construction site.

On June 13, 2022, the accident occurred, an initial cleanup action was performed, and samples were collected. Only Diesel range and oil range total petroleum hydrocarbon (TPH-D and TPH-O, collectively; TPH-D/O), and carcinogenic polycyclic aromatic hydrocarbons (cPAH) analysis was performed. Polychlorinated biphenyls (PCBs) were not included in the analysis.

Samples were collected from three locations within the excavation and are identified with the numbers 1, 2, and 3.

The relationship of the samples within the excavation are unreported.

For the NWTPH-Dx analysis, All three samples were below the laboratory reporting limit (RL) for TPH-D. Sample 1 was also below the laboratory RL for TPH-O. Sample 2 showed a TPH-O concentration of 229 mg/kg, and sample 3 showed a TPH-O concentration of 73.8 mg/kg.

CPAHs were below the laboratory RL for all three samples.

Although the samples were collected on June 13, they were not delivered to the laboratory until June 27, 2022. This caused the NWTPH-Dx and PAH analysis to be conducted outside the recommended hold time. Therefore, the TPH-D, TPH-O, and PAH analytical results are potentially biased low.

Given the uncertainty of the NWTPH-Dx and PAH analysis, the complexity of comparing PAH to the cleanup level (CUL) using toxicity equivalency factors (TEFs), and the lack of PCB analysis, the cleanup of this release has not been sufficiently demonstrated.

I recommend the release be listed on the Confirmed and Suspected Contaminated Sites List (CSCSL).

Documents reviewed:

**Cowlitz Clean Sweep (CCS), Cowlitz Clean Sweep Hydraulic Oil spill, July 19, 2022.  
(Received by Ecology on March 13, 2023)**

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	SEDIMENT	DESCRIPTION
Non-Halogenated Organics	Phenolic Compounds	Select	Select	Select		Select	Compounds containing phenols (Examples: phenol; 4-methylphenol; 2-methylphenol)
	Non-Halogenated Solvents	Select	Select	Select	Select	Select	Organic solvents, typically volatile or semi-volatile, not containing any halogens. To determine if a product has halogens, search HSDB ( <a href="http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB">http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB</a> ) and look at the Chemical/Physical Properties, and Molecular Formula. If there is not a Cl, I, Br, F in the formula, it's not halogenated. (Examples: acetone, benzene, toluene, xylenes, methyl ethyl ketone, ethyl acetate, methanol, ethanol, isopropanol, formic acid, acetic acid, stoddard solvent, Naptha). <i>Use this when TEX contaminants are present independently of gasoline.</i>
	Polynuclear Aromatic Hydrocarbons (PAH)	S	Select	Select	Select	Select	Hydrocarbons composed of two or more benzene rings.
	Tributyltin	Select	Select	Select		Select	The main active ingredients in biocides used to control a broad spectrum of organisms. Found in antifouling marine paint, antifungal action in textiles and industrial water systems. (Examples: Tributyltin; monobutyltin; dibutyltin)
	Methyl tertiary-butyl ether	Select	Select	Select	Select	Select	MTBE is a volatile oxygen-containing organic compound that was formerly used as a gasoline additive to promote complete combustion and help reduce air pollution.
	Benzene	Select	Select	Select	Select	Select	Benzene
	Other Non-Halogenated Organics	Select	Select	Select	Select	Select	TEX
	Petroleum Diesel	Select	Select	Select		Select	Petroleum Diesel
	Petroleum Gasoline	Select	Select	Select	Select	Select	Petroleum Gasoline
	Petroleum Other	S	Select	Select		Select	Oil-range organics
Halogenated Organics (see notes at bottom)	PBDE	Select	Select	Select	Select	Select	Polybrominated di-phenyl ether
	Other Halogenated Organics	Select	Select	Select	Select	Select	Other organic compounds with halogens (chlorine, fluorine, bromine, iodine). search HSDB ( <a href="http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB">http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB</a> ) and look at the Chemical/Physical Properties, and Molecular Formula. If there is a Cl, I, Br, F in the formula, it is halogenated. (Examples: Hexachlorobutadiene; hexachlorobenzene; pentachlorophenol)
	Halogenated solvents	Select	Select	Select	Select	Select	PCE, chloroform, EDB, EDC, MTBE
	Polychlorinated Biphenyls (PCB)	S	Select	Select	Select	Select	Any of a family of industrial compounds produced by chlorination of biphenyl, noted primarily as an environmental pollutant that accumulates in animal tissue with resultant pathogenic and teratogenic effects
	Dioxin/dibenzofuran compounds (see notes at bottom)	Select	Select	Select	Select	Select	A family of more than 70 compounds of chlorinated dioxins or furans. (Examples: Dioxin; Furan; Dioxin TEQ; PCDD; PCDF; TCDD; TCDF; OCDD; OCDF). <i>Do not use for 'dibenzofuran', which is a non-chlorinated compound that is detected using the semivolatile organics analysis 8270</i>
Metals	Metals – Other	Select	Select	Select		Select	Cr, Se, Ag, Ba, Cd
	Lead	Select	Select	Select		Select	Lead
	Mercury	Select	Select	Select	Select	Select	Mercury
	Arsenic	Select	Select	Select		Select	Arsenic
Pesticides	Non-halogenated pesticides	Select	Select	Select	Select	Select	Pesticides without halogens (Examples: parathion, malathion, diazinon, phosmet, carbaryl (sevin), fenoxycarb, aldicarb)
	Halogenated pesticides	Select	Select	Select	Select	Select	Pesticides with halogens (Examples: DDT; DDE; Chlordane; Heptachlor; alpha-beta and delta BHC; Aldrin; Endosulfan, dieldrin, endrin)

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	SEDIMENT	DESCRIPTION
Other Contaminants	Radioactive Wastes	Select	Select	Select	Select	Select	Wastes that emit more than background levels of radiation.
	Conventional Contaminants, Organic	Select	Select	Select		Select	Unspecified organic matter that imposes an oxygen demand during its decomposition (Example: Total Organic Carbon)
	Conventional Contaminants, Inorganic	Select	Select	Select	Select	Select	Non-metallic inorganic substances or indicator parameters that may indicate the existence of contamination if present at unusual levels (Examples: Sulfides, ammonia)
	Asbestos	Select	Select	Select	Select	Select	All forms of Asbestos. Asbestos fibers have been used in products such as building materials, friction products and heat-resistant materials.
	Other Deleterious Substances	Select	Select	Select		Select	Other contaminants or substances that cause subtle or unexpected harm to sediments (Examples: Wood debris; garbage (e.g., dumped in sediments))
	Benthic Failures	Select	Select	Select		Select	Failures of the benthic analysis standards from the Sediment Management Standards.
	Bioassay Failures	Select	Select	Select		Select	For sediments, a failure to meet bioassay criteria from the Sediment Management Standards. For soils, a failure to meet TEE bioassay criteria for plant, animal or soil biota toxicity.
Reactive Wastes	Unexploded Ordnance	Select	Select	Select	Select	Select	Weapons that failed to detonate or discarded shells containing volatile material.
	Other Reactive Wastes	Select	Select	Select	Select	Select	Other Reactive Wastes (Examples: phosphorous, lithium metal, sodium metal)
	Corrosive Wastes	Select	Select	Select	Select	Select	Corrosive wastes are acidic or alkaline (basic) wastes that can readily corrode or dissolve materials they come into contact with. Wastes that are highly corrosive as defined by the Dangerous Waste Regulation (WAC 173-303-090(6)). (Examples: Hydrochloric acid; sulfuric acid; caustic soda)

(fill in contaminant matrix above with appropriate status choice from the key below the table)

Status choices for contaminants	
Contaminant Status	Definition
B— Below Cleanup Levels (Confirmed)	The contaminant was tested and found to be below cleanup levels. (Generally, we would not enter each and every contaminant that was tested; for example if an SVOC analysis was done we would not enter each SVOC with a status of "below". We would use this for contaminants that were believed likely to be present but were found to be below standards when tested)
S— Suspected	The contaminant is suspected to be present; based on some knowledge about the history of the site, knowledge of regional contaminants, or based on other contaminants known to be present
C— Confirmed Above Cleanup Levels	The contaminant is confirmed to be present above any cleanup level. For example—above MTCA method A, B, or C; above Sediment Quality Standards; or above a presumed site-specific cleanup level (such as human health criteria for a sediment contaminant).
RA— Remediated - Above	The contaminant was remediated, but remains on site above the cleanup standards (for example—capped area).
RB— Remediated - Below	The contaminant was remediated, and no area of the site contains this contaminant above cleanup standards (for example—complete removal of contaminated soils).

**Halogenated chemicals and solvents:** Any chemical compound with chloro, bromo, iodo or fluoro is halogenated; those with eight or fewer carbons are generally solvents (e.g. halogenated methane, ethane, propane, butane, pentane, hexane, heptane or octane ) and may also be used for or registered as pesticides or fumigants. Most are dangerous wastes, either listed or categorical. Organic compounds with more carbons are almost always halogenated pesticides or a contaminant or derivative. Referral to the HSDB is recommended if you are unfamiliar with a chemical name or compound, as it contains useful information about synonyms, uses, trade names, waste codes, and other regulatory information about most toxic or potentially toxic chemicals.

**Dibenzodioxins and dibenzofurans** are normalized to a combined equivalent toxicity based on 2,3,7,8-tetrachloro-p-dibenzodioxin as set out in WAC 173-340-708(8)(d) and in the Evaluating the Toxicity and Assessing the Carcinogenic Risk of Environmental Mixtures using Toxicity Equivalency Factors Focus Sheet (<https://fortress.wa.gov/ecy/clarc/FocusSheets/tef.pdf> ). Results may be reported as individual compounds and isomers (usually lab results), or as a toxic equivalency value (reports).



**FOR ECOLOGY II REVIEWER USE ONLY (For Listing Sites):**

How did the Site come to be known ☐ Site Discovery (received a report) Date (Date Report Received)  
☒ ERTS Complaint  
☐ Other (please explain): [Click to enter text.](#)

Does an Early Notice Letter need to be sent: ☒ Yes ☐ No  
If No, please explain why: [Click to enter text.](#)

NAICS Code (if known): [Click to enter text.](#)  
Otherwise, briefly explain how property is/was used (i.e., gas station, dry cleaner, paint shop, vacant land, etc.):  
New residential home construction

Site Unit(s) to be created (Unit Type): ☒ Upland (includes VCP & LUST) ☐ Sediment  
If multiple Unites needed, please explain why: [Click to enter text.](#)

Cleanup Process Type (for the Unit): ☒ No Process ☐ Independent Action  
☐ Voluntary Cleanup Program ☐ Ecology-supervised or conducted  
☐ Federal-supervised or conducted

Site Status: ☐ Awaiting Cleanup ☐ Construction Complete – Performance Monitoring **Model Remedy Used?** ☐  
☒ Cleanup Started ☐ Cleanup Complete – Active O&M/Monitoring **If yes, was this a transformer spill?** ☐  
☐ No Further Action Required

Site Manager (Default Southwest) [Click to enter text.](#)

Specific confirmed contaminants include: Facility/Site ID No. (if known):  
TPH-D in Soil [Click to enter text.](#)  
[Click to enter text.](#) in Groundwater Cleanup Site ID No. (if known):  
[Click to enter text.](#) [Click to enter text.](#)  
[Click to enter text.](#) in Other (specify matrix: [Choose an item.](#)

COUNTY ASSESSOR INFO: Please attach to this report a copy of the tax parcel/ownership information for each parcel associated with the site, as well as a parcel map illustrating the parcel boundary and location.

**Additional or Supplemental Information for Observations Page**

Please use this box for any text that requires special formatting

Click to enter text.



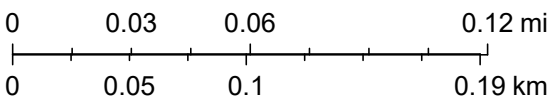
Ecology Figure 1: Release Location with Parcels



March 28, 2023

1:4,514

- Wetlands
- NHD Flowlines
- NHD Named Rivers
- Stream / Perennial
- Intermittent / Ephemeral



WA Dept. of Ecology











# GRAYS HARBOR COUNTY WASHINGTON



## TAXSIFTER

[SIMPLE SEARCH](#) [SALES SEARCH](#) [COUNTY HOME PAGE](#) [CONTACT](#) [DISCLAIMER](#) [CLICK HERE TO PAY](#)

Dan Lindgren  
Grays Harbor County Assessor 100 W. Broadway Ave Montesano, WA 98563

[Assessor](#) [Treasurer](#) [Appraisal](#) [MapSifter](#)

### Parcel

**Parcel#:** 816900051200 **Owner Name:** SEABROOK CONSTRUCTION COMPANY LLC  
**DOR Code:** 91 - Undeveloped - Land **Address1:** PO BOX 422  
**Situs:** 358 COMPASS ST, PACIFIC BEACH 98571 **Address2:**  
**Map Number:** 2012-28 **City, State:** PACIFIC BEACH WA  
**Status:** **Zip:** 98571  
**Description:** SEABROOK DIV 8C , LOT 512  
**Comment:**

#### 2023 Market Value

Land:	\$325,000
Improvements:	\$0
Permanent Crop:	\$0
<b>Total</b>	<b>\$325,000</b>

#### 2023 Taxable Value

Land:	\$325,000
Improvements:	\$0
Permanent Crop:	\$0
<b>Total</b>	<b>\$325,000</b>

#### 2023 Assessment Data

District:	064F08H2 - 064F08H2
Current Use/DFL:	No
<b>Total Acres:</b>	<b>0.13000</b>

### Ownership

Owner's Name	Ownership %	Owner Type
SEABROOK CONSTRUCTION COMPANY LLC	100%	Owner

### Sales History

Sale Date	Sales Document	# Parcels	Excise #	Grantor	Grantee	Price
10/13/22		5	E251065	SEABROOK LAND CO LLC	SEABROOK CONSTRUCTION COMPANY LLC	\$0

### Building Permits

Permit No.	Date	Description	Amount
22-1695	9/7/2022	NEW GARAGE/ACCESSORY BLDG 286 SF, CONTRACTOR K AND L BUILDERS	\$17,283.00
22-1277	8/2/2022	NEW SFR 2040 SF, DECK 560 SF	\$320,095.00

### Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2023	SEABROOK CONSTRUCTION COMPANY LLC	\$325,000	\$0	\$0	\$325,000	\$0	\$325,000
2022	SEABROOK CONSTRUCTION COMPANY LLC	\$1,114	\$0	\$0	\$1,114	\$0	\$1,114

[View Taxes](#)

### Parcel Comments

No Comments Available

### Property Images

No images found.



# GRAYS HARBOR COUNTY WASHINGTON



## TAXSIFTER

[SIMPLE SEARCH](#) [SALES SEARCH](#) [COUNTY HOME PAGE](#) [CONTACT](#) [DISCLAIMER](#) [CLICK HERE TO PAY](#)

Dan Lindgren  
Grays Harbor County Assessor 100 W. Broadway Ave Montesano, WA 98563

[Assessor](#) [Treasurer](#) [Appraisal](#) [MapSifter](#)

### Parcel

Parcel#: 201228310030 Owner Name: SEABROOK LAND CO LLC  
DOR Code: 91 - Undeveloped - Land Address1: PO BOX 422  
Situs: Address2:  
Map Number: 2012-28 City, State: PACIFIC BEACH WA  
Status: Zip: 98571  
Description: LOT B OF SURVEY VOL 26 PG 104 LS PLTD PTN  
Comment:

2023 Market Value		2023 Taxable Value		2023 Assessment Data	
Land:	\$70,555	Land:	\$70,555	District:	064 EHH2 - 064 EHH2
Improvements:	\$0	Improvements:	\$0	Current Use/DFL:	No
Permanent Crop:	\$0	Permanent Crop:	\$0		
Total	\$70,555	Total	\$70,555	Total Acres:	8.55000

### Ownership

Owner's Name	Ownership %	Owner Type
SEABROOK LAND CO LLC	100%	Owner

### Sales History

Sale Date	Sales Document	# Parcels	Excise #	Grantor	Grantee	Price
10/05/15		5	E217461	LR & CR INVESTMENTS INC	SEABROOK LAND CO LLC	\$2,350,000
08/06/15		3	E216807	T2-Conversion Seller	SEABROOK LAND CO LLC	\$0
12/29/14		29	E214571	T2-Conversion Seller	WESTERN STATES ASSET MNGMNT INC	\$0
11/01/07		4	E188574	T2-Conversion Seller	x	\$0
11/10/05		4	E178191	T2-Conversion Seller	x	\$0
11/10/05		4	E178190	T2-Conversion Seller	x	\$0

### Building Permits

Permit No.	Date	Description	Amount
22-0033	8/26/2022	ADD GENERATOR BLDG 286 SF	\$13,303.00
20200267	3/1/2020	New SFR 1595 SF, Deck Cov 512 SF ST - BP placed on mother parcel, new plat. moved bp to lot 449 (Parcel 816600044900). closed this bp.	\$206,076.00
20200249	3/18/2020	New SFR 1595, Deck Cov 512 ST - This is mother parcel, new plat, moved to Lot 453, Parcel 816600045300, deleted this bp.	\$206,076.00

### Historical Valuation Info

Year	Billed Owner	Land	Impr.	PermCrop Value	Total	Exempt	Taxable
2023	SEABROOK LAND CO LLC	\$70,555	\$0	\$0	\$70,555	\$0	\$70,555
2022	SEABROOK LAND CO LLC	\$42,750	\$0	\$0	\$42,750	\$0	\$42,750
2021	SEABROOK LAND CO LLC	\$74,680	\$0	\$0	\$74,680	\$0	\$74,680
2020	SEABROOK LAND CO LLC	\$74,680	\$0	\$0	\$74,680	\$0	\$74,680
2019	SEABROOK LAND CO LLC	\$80,000	\$0	\$0	\$80,000	\$0	\$80,000

[View Taxes](#)

### Parcel Comments

No Comments Available

### Property Images

No images found.



**CCS – Longview Operations**

A DIVISION OF PNE CORP.

55 International Way, Longview, WA 98632

(360) 423-6316 / Fax (360) 423-3409 / Toll Free 1-888-423-6316

www.pnecorp.com

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**RECEIVED**

**MAR 13 2023**

**WA State Department  
of Ecology (SWRO)**

**Cowlitz Clean Sweep**

Hydraulic Oil spill

4275 State Route 109, Seabrook WA 98571

July 19, 2022

Prepared by:

Dakota Davis, Environmental Technician

CCS – A Division of PNE Corp.

55 International Way

Longview, WA 98632

**Attachments Included:**

Attachment A- Manifest and Scale Tickets

Attachment B- Photos

Attachment C- Site Maps and Sampling Locations

Attachment D- Analytical Reports

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## **CCS – Longview Operations**

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www.pnecorp.com

**Spill Cleanup Report  
Cowlitz Clean Sweep  
4275 State Route 109, Seabrook WA 98571  
CCS Project#: 9322143**

### **Background-**

On June 13, 2022, CCS Longview was contacted by the CCS Office in Aberdeen regarding a release of Hydraulic oil from a CCS air mover, approximately fifty gallons were released into soils. The area impacted was about twenty feet in length and twenty feet in width, the oil had been spilled into a temporary ditch on a construction site though no waters were impacted.

### **Initial Response-**

One Project manager and one technician were dispatched on June 13, 2022, from the Longview office to investigate the site. The Aberdeen crew had excavated the impacted area prior to the arrival of the crew from Longview, all impacted soils were stockpiled on plastic sheeting and covered. Once the Longview crew arrived, samples were collected to see if all contamination had been removed, and the impacted area was covered while sample result were pending.

### **Spill Cleanup and Site Restoration-**

On June 30, 2022, CCS Longview returned after all sample results came back below the cleanup levels to load out the stockpiled impacted soils and backfill the excavated area. The Impacted soils were loaded into a dump truck for disposal, then the excavated area was backfilled with 1 ¼" gravel and the ditch was reshaped.

### **Sampling and Laboratory Analysis-**

Three samples were collected post excavation, the samples were run for NWTPH-Dx and Carcinogenic PAH's Benzo(A)Pyrene, Chrysene, Dibenzo(A,H)Anthracene, Ideno(1,2,3-cd)Pyrene Benzo(K)Fluoranthene, Benzo(A)Anthracene, and Benzo(B)Fluoranthene. All results came back below cleanup levels.

### **Disposal-**

Northwest Rock transported 11.37 tons of impacted soils to Olympic View transfer station on manifest #9322143, a copy of the manifest can be found in attachment A of this report.

### **Photos-**

Site photos are included in Attachment B of this report.



**CCS – Longview Operations**

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55 International Way, Longview, WA 98632

(360) 423-6316 / Fax (360) 423-3409 / Toll Free 1-888-423-6316

[www.pnecorp.com](http://www.pnecorp.com)

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Thank you for choosing CCS to provide your company with response and remediation services. If you have any questions or concerns please contact our office at (888) 423-6316.

Sincerely,

**Dakota Davis**

**Environmental technician**

**CCS – A Division of PNE Corp.**

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**CCS – Longview Operations**

A DIVISION OF PNE CORP.

55 International Way, Longview, WA 98632

(360) 423-6316 / Fax (360) 423-3409 / Toll Free 1-888-423-6316

[www.pnecorp.com](http://www.pnecorp.com)

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**Attachment A (Manifest & Scale Tickets)**

# NORTHWEST ROCK, INC.



642 NEWSKAH ROAD • ABERDEEN, WA 98520-9511  
OFFICE (360) 532-3463 QUARRY SHOP (360) 533-3050

DATE: 6-30-2022

59966

TRUCK NO.: 22

TRUCK CHARGES:

TRUCK TYPE: Solo

DRIVER CHARGE:

TRUCK RATE:

TRAVEL TIME:

TRUCK HOURS:

OVERTIME:

DRIVER HOURS:

TOTAL CHARGES:

CUSTOMER: CCS

BILLING ADDRESS:

JOB LOCATION: Seabrook

JOB NUMBER:

START: 9:00

STOP: 6:00

LUNCH:

DOWNTIME:

REASON: c

MATERIAL	FROM	TO	NO. LOADS	HOURS
1 1/4	Newska Pit	Seabrook	1	1
Contaminated Dirt	Seabrook	Olympic View Transfer Station Kitsap County, SW Barney White Rd Bremerton	1	8

FUEL:

OIL:

TOTAL MILES:

TOTAL MILES OFF-HIGHWAY:

\*REMARKS:

DRIVER'S SIGNATURE

*[Signature]*

AUTH. CO. REP. SIGNATURE:

Signature of this truck invoice will be considered your notice of our intent to lien this project, if necessary. Interest at 1 1/2% per month will be charged on all past due accounts.  
Charges due by the tenth of the month following date of this billing.

STATE CONTRACTOR'S REG. NO. NORTHRI033NO



GENERATOR	<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number CEG	2. Page 1 of 1	3. Emergency Response Phone 888-423-8318	4. Waste Tracking Number 9322143			
	5. Generator's Name and Mailing Address CCS A Division of PNE Corp. 9420 NW St. Helens Rd. Portland, OR 97231 USA 888-423-8318-1 Generator's Phone:				Generator's Site Address (if different than mailing address) 4275 State Route 100 Seabrook, WA USA				
	6. Transporter 1 Company Name CCS-A Division of PNE LLC				U.S. EPA ID Number WAH000014944				
	7. Transporter 2 Company Name Waste Management				U.S. EPA ID Number ORD089452353				
	8. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR 97812 USA 541-454-2030 Facility's Phone:				U.S. EPA ID Number				
	HM	9. Waste Shipping Name and Description			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
					No.	Type			
		1. MATERIAL NOT REGULATED BY DOT (Hydraulic Oil Impacted Soil)			1	DT		T	
		2.							
	3.								
4.									
13. Special Handling Instructions and Additional Information PROFILE # 117198WA CCS JOB/PO #9322143 SCALE TICKET # "Columbia Ridge via OVTs" TRUCK #									
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.									
Generator's/Officer's Printed/Typed Name				Signature		Month	Day	Year	
TRANSPORTER	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter Signature (for exports only): _____ Date leaving U.S.: _____								
	16. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name				Signature		Month	Day	Year
	Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
DESIGNATED FACILITY	17. Discrepancy								
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	Manifest Reference Number: _____								
	17b. Alternate Facility (or Generator)				U.S. EPA ID Number				
	Facility's Phone: _____								
17c. Signature of Alternate Facility (or Generator)				Signature		Month	Day	Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name				Signature		Month	Day	Year	



Alaska Street  
70 S Alaska Street  
Seattle, WA, 98134

Original  
Ticket# 177894  
Ph: 206 763 5025

Customer Name COWLITZ CLEAN SWEEP COWLITZ C Carrier SELF HAULER \*  
Ticket Date 06/30/2022 Vehicle# NORTH22 Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JASON NAVARRE  
Route AK Check#  
Hauling Ticket# Billing# 0000003  
Destination Grid  
PO# 9322143/117199WA

	Time	Scale	Operator	Inbound	Gross	
In	06/30/2022 14:48:23	SCALE 1	GALTHEIM		Tare	48360 lb
Out	06/30/2022 14:53:20	SCALE 1	GALTHEIM		Net	25620 lb
					Tons	22740 lb
						11.37

Comments NORTHWEST-GA  
TRACK# (9322143)

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Daily Cover-PCS-Tons-Pet	100	11.37	Tons				GRAYSHARB
2 EVF-P-Standard Environme	100		%				GRAYSHARB
3 FUELSUR-FUEL SURCHARGE	100		%				GRAYSHARB
4 GONDOLA T-GONDOLA TON	100	11.37	Tons				GRAYSHARB

Total Tax  
Total Ticket

Driver's Signature

*Jason*



**CCS – Longview Operations**

A DIVISION OF PNE CORP.

55 International Way, Longview, WA 98632

(360) 423-6316 / Fax (360) 423-3409 / Toll Free 1-888-423-6316

[www.pnecorp.com](http://www.pnecorp.com)

---

## Attachment B (Photos)





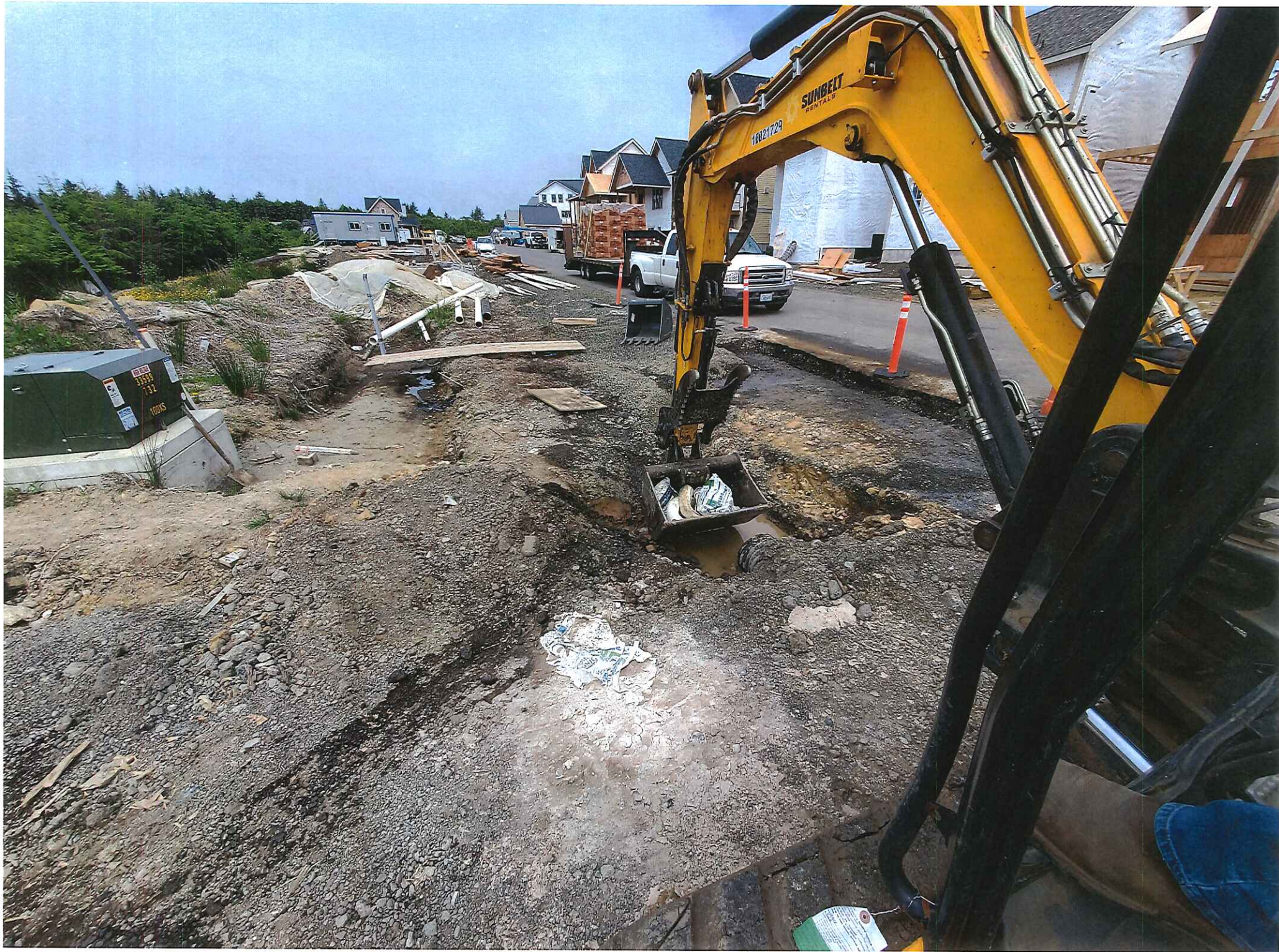




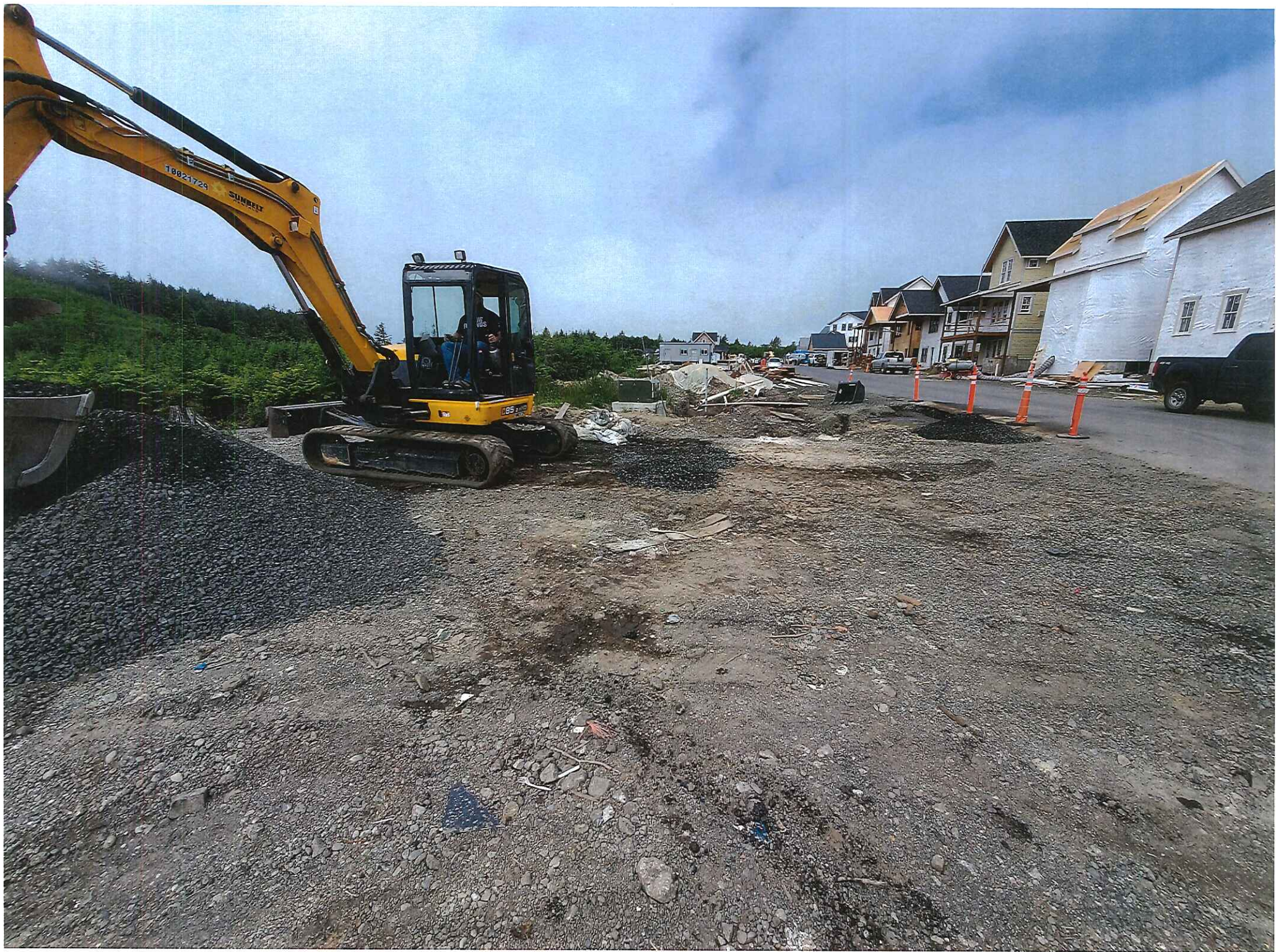




























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---

**Attachment C (Site maps & Sampling locations)**

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47.192928, -124.188497

83 ft





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---

## Attachment D (Analytical)



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Wednesday, July 13, 2022

Levi Obrist  
CCS (PNE Corporation) - Longview  
55 International Way  
Longview, WA 98632

RE: A2F0888 - CCS Aberdeen - 9322143

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2F0888, which was received by the laboratory on 6/27/2022 at 11:30:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [DAuvil@apex-labs.com](mailto:DAuvil@apex-labs.com), or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

---

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1      0.7 degC

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This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

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Apex Laboratories

Darrell Auvil, Client Services Manager

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

CCS (PNE Corporation) - Longview

55 International Way  
Longview, WA 98632

Project: CCS Aberdeen

Project Number: 9322143

Project Manager: Levi Obrist

Report ID:

A2F0888 - 07 13 22 1110

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1	A2F0888-01	Soil	06/13/22 18:00	06/27/22 11:30
2	A2F0888-02	Soil	06/13/22 18:10	06/27/22 11:30
3	A2F0888-03	Soil	06/13/22 18:20	06/27/22 11:30

Apex Laboratories

Darrell Auvil, Client Services Manager

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062CCS (PNE Corporation) - Longview  
55 International Way  
Longview, WA 98632Project: CCS Aberdeen  
Project Number: 9322143  
Project Manager: Levi ObristReport ID:  
A2F0888 - 07 13 22 1110

## ANALYTICAL SAMPLE RESULTS

## Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>1 (A2F0888-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0979</b>		<b>H-02</b>
Diesel	ND	---	26.0	mg/kg dry	1	06/29/22 01:50	NWTPH-Dx	
Oil	ND	---	52.0	mg/kg dry	1	06/29/22 01:50	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 60 %	Limits: 50-150 %	1	06/29/22 01:50	NWTPH-Dx		
<b>2 (A2F0888-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0979</b>		<b>H-02</b>
Diesel	ND	---	25.0	mg/kg dry	1	06/29/22 02:11	NWTPH-Dx	
Oil	229	---	50.0	mg/kg dry	1	06/29/22 02:11	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 99 %	Limits: 50-150 %	1	06/29/22 02:11	NWTPH-Dx		
<b>3 (A2F0888-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0980</b>		<b>H-02</b>
Diesel	ND	---	26.2	mg/kg dry	1	06/28/22 23:25	NWTPH-Dx	
Oil	73.8	---	52.3	mg/kg dry	1	06/28/22 23:25	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 84 %	Limits: 50-150 %	1	06/28/22 23:25	NWTPH-Dx		

Apex Laboratories

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55 International Way

Longview, WA 98632

Project: CCS Aberdeen

Project Number: 9322143

Project Manager: Levi Obrist

Report ID:

A2F0888 - 07 13 22 1110

## ANALYTICAL SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
1 (A2F0888-01)		Matrix: Soil		Batch: 22F0999		H-06		
Benz(a)anthracene	ND	---	0.0123	mg/kg dry	1	06/28/22 16:14	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0123	mg/kg dry	1	06/28/22 16:14	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0123	mg/kg dry	1	06/28/22 16:14	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0123	mg/kg dry	1	06/28/22 16:14	EPA 8270E SIM	
Chrysene	ND	---	0.0123	mg/kg dry	1	06/28/22 16:14	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0123	mg/kg dry	1	06/28/22 16:14	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0123	mg/kg dry	1	06/28/22 16:14	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery: 77 %		Limits: 44-120 %	1	06/28/22 16:14	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)		66 %		54-127 %	1	06/28/22 16:14	EPA 8270E SIM	
2 (A2F0888-02)		Matrix: Soil		Batch: 22F0999		H-06		
Benz(a)anthracene	ND	---	0.0112	mg/kg dry	1	06/28/22 16:39	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0112	mg/kg dry	1	06/28/22 16:39	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0112	mg/kg dry	1	06/28/22 16:39	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0112	mg/kg dry	1	06/28/22 16:39	EPA 8270E SIM	
Chrysene	ND	---	0.0112	mg/kg dry	1	06/28/22 16:39	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0112	mg/kg dry	1	06/28/22 16:39	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0112	mg/kg dry	1	06/28/22 16:39	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery: 85 %		Limits: 44-120 %	1	06/28/22 16:39	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)		85 %		54-127 %	1	06/28/22 16:39	EPA 8270E SIM	
3 (A2F0888-03)		Matrix: Soil		Batch: 22F0999		H-06		
Benz(a)anthracene	ND	---	0.0128	mg/kg dry	1	06/28/22 17:05	EPA 8270E SIM	
Benzo(a)pyrene	ND	---	0.0128	mg/kg dry	1	06/28/22 17:05	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	---	0.0128	mg/kg dry	1	06/28/22 17:05	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	---	0.0128	mg/kg dry	1	06/28/22 17:05	EPA 8270E SIM	
Chrysene	ND	---	0.0128	mg/kg dry	1	06/28/22 17:05	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	---	0.0128	mg/kg dry	1	06/28/22 17:05	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	---	0.0128	mg/kg dry	1	06/28/22 17:05	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		Recovery: 70 %		Limits: 44-120 %	1	06/28/22 17:05	EPA 8270E SIM	
p-Terphenyl-d14 (Surr)		61 %		54-127 %	1	06/28/22 17:05	EPA 8270E SIM	

Apex Laboratories

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Darrell Auvil, Client Services Manager

Page 4 of 16

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**CCS (PNE Corporation) - Longview**55 International Way  
Longview, WA 98632Project: **CCS Aberdeen**Project Number: **9322143**Project Manager: **Levi Obrist****Report ID:****A2F0888 - 07 13 22 1110****ANALYTICAL SAMPLE RESULTS****Percent Dry Weight**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>1 (A2F0888-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F1010</b>		<b>H-01</b>
% Solids	76.5	---	1.00	%	1	06/29/22 05:41	EPA 8000D	
<b>2 (A2F0888-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F1010</b>		<b>H-01</b>
% Solids	83.5	---	1.00	%	1	06/29/22 05:41	EPA 8000D	
<b>3 (A2F0888-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F1010</b>		<b>H-01</b>
% Solids	75.4	---	1.00	%	1	06/29/22 05:41	EPA 8000D	

Apex Laboratories

Darrell Auvil, Client Services Manager

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

CCS (PNE Corporation) - Longview

55 International Way  
Longview, WA 98632

Project: CCS Aberdeen

Project Number: 9322143

Project Manager: Levi Obrist

Report ID:

A2F0888 - 07 13 22 1110

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0979 - EPA 3546 (Fuels)						Soil						
Blank (22F0979-BLK1)		Prepared: 06/28/22 04:55 Analyzed: 06/28/22 21:21										
NWTPH-Dx												
Diesel	ND	---	18.2	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	36.4	mg/kg wet	1	---	---	---	---	---	---	
Mineral Oil	ND	---	36.4	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 103 %		Limits: 50-150 %		Dilution: 1x						
LCS (22F0979-BS1)		Prepared: 06/28/22 04:55 Analyzed: 06/28/22 21:42										
NWTPH-Dx												
Diesel	111	---	20.0	mg/kg wet	1	125	---	89	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 101 %		Limits: 50-150 %		Dilution: 1x						
Batch 22F0980 - EPA 3546 (Fuels)						Soil						
Blank (22F0980-BLK1)		Prepared: 06/28/22 05:09 Analyzed: 06/28/22 21:00										
NWTPH-Dx												
Diesel	ND	---	18.2	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	36.4	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
LCS (22F0980-BS1)		Prepared: 06/28/22 05:09 Analyzed: 06/28/22 21:21										
NWTPH-Dx												
Diesel	102	---	20.0	mg/kg wet	1	125	---	81	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %		Dilution: 1x						

Apex Laboratories

Darrell Auvil, Client Services Manager

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

CCS (PNE Corporation) - Longview

55 International Way

Longview, WA 98632

Project: CCS Aberdeen

Project Number: 9322143

Project Manager: Levi Obrist

Report ID:

A2F0888 - 07 13 22 1110

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0999 - EPA 3546						Soil						
Blank (22F0999-BLK1)		Prepared: 06/28/22 10:16 Analyzed: 06/28/22 15:23										
EPA 8270E SIM												
Acenaphthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 95 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		93 %		54-127 %		"						

LCS (22F0999-BS1)

Prepared: 06/28/22 10:16 Analyzed: 06/28/22 15:48

EPA 8270E SIM

Acenaphthene	0.730	---	0.0100	mg/kg wet	1	0.800	---	91	40 - 123%	---	---	
Acenaphthylene	0.771	---	0.0100	mg/kg wet	1	0.800	---	96	32 - 132%	---	---	
Anthracene	0.752	---	0.0100	mg/kg wet	1	0.800	---	94	47 - 123%	---	---	
Benz(a)anthracene	0.732	---	0.0100	mg/kg wet	1	0.800	---	92	49 - 126%	---	---	
Benzo(a)pyrene	0.865	---	0.0100	mg/kg wet	1	0.800	---	108	45 - 129%	---	---	
Benzo(b)fluoranthene	0.748	---	0.0100	mg/kg wet	1	0.800	---	93	45 - 132%	---	---	
Benzo(k)fluoranthene	0.767	---	0.0100	mg/kg wet	1	0.800	---	96	47 - 132%	---	---	
Benzo(g,h,i)perylene	0.761	---	0.0100	mg/kg wet	1	0.800	---	95	43 - 134%	---	---	
Chrysene	0.760	---	0.0100	mg/kg wet	1	0.800	---	95	50 - 124%	---	---	
Dibenz(a,h)anthracene	0.788	---	0.0100	mg/kg wet	1	0.800	---	99	45 - 134%	---	---	
Fluoranthene	0.804	---	0.0100	mg/kg wet	1	0.800	---	101	50 - 127%	---	---	
Fluorene	0.759	---	0.0100	mg/kg wet	1	0.800	---	95	43 - 125%	---	---	

Apex Laboratories

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Darrell Auvil, Client Services Manager



## ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323  
ORELAP ID: OR100062

CCS (PNE Corporation) - Longview

55 International Way  
Longview, WA 98632

Project: CCS Aberdeen

Project Number: 9322143

Project Manager: Levi Obrist

Report ID:

A2F0888 - 07 13 22 1110

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0999 - EPA 3546						Soil						
LCS (22F0999-BS1)		Prepared: 06/28/22 10:16 Analyzed: 06/28/22 15:48										
Indeno(1,2,3-cd)pyrene	0.784	---	0.0100	mg/kg wet	1	0.800	---	98	45 - 133%	---	---	
Naphthalene	0.701	---	0.0100	mg/kg wet	1	0.800	---	88	35 - 123%	---	---	
Phenanthrene	0.725	---	0.0100	mg/kg wet	1	0.800	---	91	50 - 121%	---	---	
Pyrene	0.810	---	0.0100	mg/kg wet	1	0.800	---	101	47 - 127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 92 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		90 %		54-127 %		"						
Matrix Spike (22F0999-MS1)						Prepared: 06/28/22 10:16 Analyzed: 06/28/22 17:30						H-06
QC Source Sample: 3 (A2F0888-03)												
EPA 8270E SIM												
Acenaphthene	0.875	---	0.0130	mg/kg dry	1	1.04	ND	84	40 - 123%	---	---	
Acenaphthylene	0.933	---	0.0130	mg/kg dry	1	1.04	ND	90	32 - 132%	---	---	
Anthracene	0.871	---	0.0130	mg/kg dry	1	1.04	ND	84	47 - 123%	---	---	
Benz(a)anthracene	0.812	---	0.0130	mg/kg dry	1	1.04	ND	78	49 - 126%	---	---	
Benzo(a)pyrene	0.944	---	0.0130	mg/kg dry	1	1.04	ND	91	45 - 129%	---	---	
Benzo(b)fluoranthene	0.813	---	0.0130	mg/kg dry	1	1.04	ND	78	45 - 132%	---	---	
Benzo(k)fluoranthene	0.816	---	0.0130	mg/kg dry	1	1.04	ND	79	47 - 132%	---	---	
Benzo(g,h,i)perylene	0.843	---	0.0130	mg/kg dry	1	1.04	ND	81	43 - 134%	---	---	
Chrysene	0.826	---	0.0130	mg/kg dry	1	1.04	ND	80	50 - 124%	---	---	
Dibenz(a,h)anthracene	0.857	---	0.0130	mg/kg dry	1	1.04	ND	83	45 - 134%	---	---	
Fluoranthene	0.919	---	0.0130	mg/kg dry	1	1.04	ND	88	50 - 127%	---	---	
Fluorene	0.886	---	0.0130	mg/kg dry	1	1.04	ND	85	43 - 125%	---	---	
Indeno(1,2,3-cd)pyrene	0.831	---	0.0130	mg/kg dry	1	1.04	ND	80	45 - 133%	---	---	
Naphthalene	0.905	---	0.0130	mg/kg dry	1	1.04	ND	87	35 - 123%	---	---	
Phenanthrene	0.848	---	0.0130	mg/kg dry	1	1.04	ND	82	50 - 121%	---	---	
Pyrene	0.929	---	0.0130	mg/kg dry	1	1.04	ND	89	47 - 127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 82 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		73 %		54-127 %		"						

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ANALYTICAL REPORT

Apex Laboratories, LLC

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

CCS (PNE Corporation) - Longview

55 International Way  
Longview, WA 98632

Project: CCS Aberdeen

Project Number: 9322143

Project Manager: Levi Obrist

Report ID:

A2F0888 - 07 13 22 1110

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1010 - Total Solids (Dry Weight)								Soil				

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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## SAMPLE PREPARATION INFORMATION

## Diesel and/or Oil Hydrocarbons by NWTPH-Dx

## Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22F0979							
A2F0888-01	Soil	NWTPH-Dx	06/13/22 18:00	06/28/22 05:03	10.05g/5mL	10g/5mL	1.00
A2F0888-02	Soil	NWTPH-Dx	06/13/22 18:10	06/28/22 05:04	10.33g/5mL	10g/5mL	0.97
Batch: 22F0980							
A2F0888-03	Soil	NWTPH-Dx	06/13/22 18:20	06/28/22 05:09	10.14g/5mL	10g/5mL	0.99

## Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

## Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22F0999							
A2F0888-01	Soil	EPA 8270E SIM	06/13/22 18:00	06/28/22 10:16	10.64g/5mL	10g/5mL	0.94
A2F0888-02	Soil	EPA 8270E SIM	06/13/22 18:10	06/28/22 10:16	10.7g/5mL	10g/5mL	0.94
A2F0888-03	Soil	EPA 8270E SIM	06/13/22 18:20	06/28/22 10:16	10.33g/5mL	10g/5mL	0.97

## Percent Dry Weight

## Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22F1010							
A2F0888-01	Soil	EPA 8000D	06/13/22 18:00	06/28/22 14:08			NA
A2F0888-02	Soil	EPA 8000D	06/13/22 18:10	06/28/22 14:08			NA
A2F0888-03	Soil	EPA 8000D	06/13/22 18:20	06/28/22 14:08			NA

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QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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- H-01 This sample was analyzed outside the recommended holding time.
- H-02 This sample was extracted outside of the recommended holding time.
- H-06 This sample was received, or the analysis requested, outside the recommended holding time.

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### REPORTING NOTES AND CONVENTIONS:

#### Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.  
ND Analyte NOT DETECTED at or above the detection or reporting limit.  
NR Result Not Reported.  
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

#### Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).  
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

#### Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

#### Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.  
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.  
"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")  
See Percent Solids section for details of dry weight analysis.  
"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.  
" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

#### QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

#### Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" \*\*\* " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

#### Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).  
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.  
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.  
For further details, please request a copy of this document.

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### REPORTING NOTES AND CONVENTIONS (Cont.):

#### Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

#### Preparation Notes:

##### Mixed Matrix Samples:

##### Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

##### Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

#### Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
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All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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## APEX LABS COOLER RECEIPT FORM

Client: CCS Longview Longview Element WO#: A2 F0888Project/Project #: CCS Aberdeen 9322143

## Delivery Info:

Date/time received: 6/27/22 @ 1130 By: ETDelivered by: Apex Client ☒ ESS FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐Cooler Inspection Date/time inspected: 6/27/22 @ 1130 By: ETChain of Custody included? Yes ☒ No ☐ Custody seals? Yes ☐ No ☒Signed/dated by client? Yes ☒ No ☐Signed/dated by Apex? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>0.7</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Gel</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) N Possible reason why: Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐Sample Inspection: Date/time inspected: 6-27-22 @ 1618 By: DSSAll samples intact? Yes ☒ No ☐ Comments: Bottle labels/COCs agree? Yes ☒ No ☐ Comments: COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: samplesreceived on the same day of Dx+DW expiration 2 weekDo VOA vials have visible headspace? Yes ☐ No ☒ NA ☒ hold time.Comments: Water samples: pH checked: Yes ☐ No ☒ NA ☒ pH appropriate? Yes ☐ No ☒ NA ☒Comments: Additional information: Labeled by: DSS Witness: AVK Cooler Inspected by: DSS

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