



## OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY UNDERGROUND STORAGE TANK PROGRAM

### UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST AND SITE ASSESSMENT REPORT

#### A. FACILITY INFORMATION:

This report **MUST** be submitted by the underground storage tank permittee or tank owner, or the licensed DEQ Service Provider on their behalf, **within 30 days following completion of the tank decommissioning or change-in-service regardless of ongoing cleanup work.**

DEQ FACILITY NUMBER: 5066

FACILITY NAME: Hattenhauer Boardman Shell

FACILITY ADDRESS: 100 North Main Street, Boardman, Oregon

PERMITTEE PHONE: 541-296-5105 DATE: 4/10/2024

#### B. WORK PERFORMED BY:

The checklist and site assessment report should be completed and signed by the DEQ licensed supervisor and signed by an executive officer of the DEQ licensed Service Provider on page 6. The tank owner or permittee must review and sign the report on page 6. **NOTE: AN OWNER OR PERMITTEE MAY PERFORM UST SERVICES ONLY IF THEY HAVE TAKEN AND PASSED THE APPROPRIATE UST SUPERVISOR EXAMINATION OFFERED BY A NATIONAL TESTING SERVICE (SEE OAR 340-150-0156 for requirements).**

DEQ Service Provider's License #: 16356 Construction Contractors Board License #: 141376

Name: Anderson Environmental Contracting, LLC

Telephone: 360-577-9194

DEQ Decommissioning Supervisor's License #: 27403

Name: Jacob Howe

Telephone: 360-984-9184

DEQ Soil Matrix Service Provider's License #: \_\_\_\_\_ (If applicable)

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

DEQ Soil Matrix Supervisor's License #: \_\_\_\_\_ (If applicable)

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

### C. DATES:

Decommissioning/Change-in-Service Notice - Date Submitted: 2/15/2024 (30 days before work starts).

Work Start Telephone Notice - Number issued by DEQ: 3/26/24 (3 working days before work starts).

DEQ Person Notified: Dylan Eckert

Date Work Started: 4/8/2024 Date Work Completed: 4/18/2024

**Note:** Provide the following information if any soil or water contamination is found during the decommissioning or change-in-service. Contamination must be reported by the UST permittee within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: \_\_\_\_\_ By: \_\_\_\_\_

DEQ Person Notified: None required

**D. OTHER DEQ PERMITS MAY BE NEEDED WHERE SOIL OR WATER CLEANUP IS REQUIRED.**

DEQ Water Discharge Permit #: \_\_\_\_\_ Date: \_\_\_\_\_

Water Disposed to (Location): \_\_\_\_\_

DEQ Solid Waste Disposal Permit #: \_\_\_\_\_ Date: \_\_\_\_\_

Soil Disposal or Treatment Location: \_\_\_\_\_

### E. TANK INFORMATION:

			PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER?		CLOSURE OR CHANGE-IN-SERVICE?			TANK TO BE REPLACED?	
TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRESENT	NEW	TANK REMOVAL	CLOSURE IN PLACE◆	CHANGE IN SERVICE◆	YES	NO
1	A A G D K	6000	Gasoline		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	B F D J G	6000	Gasoline		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	A A G D A	6000	Gasoline		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	A A G D B	6000	Diesel		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	A A G D C	6000	Diesel		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**NOTE 1:** Where decommissioned tank(s) are replaced by new underground storage tanks the UST permittee must submit a *General Permit Registration Form to Install and Operate USTs* containing information on the new tanks 30 days before installing them.

**NOTE 2:** Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

**F. DISPOSAL INFORMATION:**






TANK ID #	TANK AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS	SLUDGES
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T&J Recycling	ORRCO	
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T&J Recycling	ORRCO	
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T&J Recycling	ORRCO	
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T&J Recycling	ORRCO	
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T&J Recycling	ORRCO	

**NOTE 1:** The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ regional office for your area.

**NOTE 2:** Attach copies of the disposal receipts for the tanks and piping. If the tanks are shipped off-site for reuse provide the name, address and phone number of the person or business receiving the tanks for reuse.

**NOTE 3:** Attach copies of the disposal receipts for the disposal or treatment of liquid or sludge removed from the tanks

**G. CONTAMINATION INFORMATION:**

TANK ID #	GROUND WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY ( NAME, CITY, STATE, PHONE )
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Apex Laboratories, Inc., 6700 S.W. Sandburg Street, Tigard, 
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Apex Laboratories, Inc., 6700 S.W. Sandburg Street, Tigard, 
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Apex Laboratories, Inc., 6700 S.W. Sandburg Street, Tigard, 
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Apex Laboratories, Inc., 6700 S.W. Sandburg Street, Tigard, 
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Apex Laboratories, Inc., 6700 S.W. Sandburg Street, Tigard, 

**NOTE 1:** Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QC information. Include laboratory name, address and copies of chain-of-custody forms.

**NOTE 2:** If contamination is detected, DEQ requires you notify both the UST Program and Clean Up Program within 24 hours of observed contamination and/or analytical results. You must submit a [20 Day Report Form for UST Cleanup Projects](#) to the Cleanup Program and attach a copy of the form to this checklist.

**H. SITE SKETCH:** (Show location of adjacent roads, property lines, structures, dispensers, & all USTs. Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)

See attached sample location sketch map and technical memorandum from Maul Foster & Alongi explaining the samples collected. A second sketch map prepared by AEC shows the location of soil samples collect from underneath the five dispensers.

**I. SAFETY EQUIPMENT ON JOB SITE:**

Fire Extinguisher:	Type/Size:	ABC 20 LBS	Recharge Date:	12/7/2024
Combustible Gas Detector:	Model:	Ventis MX4	Calibration Date:	4/8/2024
Oxygen Analyzer:	Model:	Ventis MX4	Calibration Date:	4/8/2024

**J. DECOMMISSIONING:**

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
1. All electrical equipment grounded and explosion proof?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Safety equipment on job site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Overhead electrical lines located?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Subsurface electrical lines off or disconnected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Natural gas lines off or disconnected?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. No open fires or smoking material in area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Vehicle and pedestrian traffic controlled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Excavation material area cleared?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Rainwater runoff directed to treatment area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Drained and collected product from lines?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Removed product and residual from tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Cleaned tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Excavated to top of tank?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Removed tank fixtures? (pumps, leak detection equipment)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Removed product, fill and vent lines?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**K. TANK ABANDONMENT IN-PLACE:**

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
16. Sampling plan approved by DEQ? Date: _____ DEQ Staff: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Contamination concerns fully resolved?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Fill Material? Type: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**L. TANK REMOVAL:**

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
19. Tank placement area cleared, chocks placed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20. Purged or ventilated tank to prevent explosion? Method used: <u>Ventilation</u> Meter reading: <u>0% LEL</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Were chains or steel cables wrapped around tank for removal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Tank removed, set on ground, blocked to prevent movement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Tank set on truck and secured with straps(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Tank labeled before leaving site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**M. SITE ASSESSMENT:**

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
25. Site assessed for contamination? See OAR 340-122-0340	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Soil samples taken and analyzed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Was contamination found? Date/Time: _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**N. REQUIRED SIGNATURES:**

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Permittee or Tank Owner: Alex Hattenhauer  
(Please Print)

Permittee or Tank Owner: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Licensed Supervisor: Jacob Howe  
(Please Print)

Licensed Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Executive Officer: \_\_\_\_\_  
Licensed Service Provider (Please Print)

Executive Officer: \_\_\_\_\_ Date: \_\_\_\_\_  
Licensed Service Provider (Signature)

## O. REPORT FILING:

This report signed by the permittee or tank owner, licensed supervisor and executive officer of the Service Provider, complete with all applicable attachments, must be filed with the DEQ regional office within 30 days after the excavation is backfilled or change-in-service is complete. **Do not wait until any site related cleanup project is completed.** Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets of contamination, etc.).

## P. HELP WITH THIS REPORT:

If you have any questions about this decommissioning checklist and site assessment report, please phone your DEQ Regional Office. You can also phone the UST Program's toll-free number, 1-800-742-7878. This is a message answering machine for calls made within Oregon. Underground Storage Tank Program staff will return your calls within 24 hours. You can also send an e-mail to [tanks.info@deq.oregon.gov](mailto:tanks.info@deq.oregon.gov). Our regional staff are also available to answer questions regarding tank decommissioning or change-in-service requirements (see below for telephone numbers).

## Q. COPIES OF THE GENERAL PERMIT TO DECOMMISSION OR COMPLETE A CHANGE-IN-SERVICE:

Obtain copies of the general permit to decommission or complete a change-in-service conditions and requirements, UST Program rules and laws and UST Cleanup rules and laws at:

1. Any of the DEQ offices listed below,
2. By calling the UST HELPLINE at 1-800-742-7878,
3. Send an e-mail to [tanks.info@deq.oregon.gov](mailto:tanks.info@deq.oregon.gov) or
4. Downloading from the UST home page at:

<https://www.oregon.gov/deq/tanks/Pages/UST-Forms.aspx>

NORTHWEST REGION  
700 NE MULTNOMAH ST.  
PORTLAND, OR 97232 Phone:  
503-229-5263  
Fax: 503-229-6945

WESTERN REGION / EUGENE  
165 EAST 7TH AVE., SUITE 100  
EUGENE, OR 97401  
Phone: 541-686-7838  
Fax: 541-686-7551

WESTERN REGION / MEDFORD  
221 STEWART AVE., SUITE 201  
MEDFORD, OR 97501  
Phone: 541-776-6010  
Fax: 541-776-6262

**L. TANK REMOVAL:**

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
19. Tank placement area cleared, chocks placed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20. Purged or ventilated tank to prevent explosion? Method used: <b>Ventilation</b> Meter reading: <b>0% LEL</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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23. Tank set on truck and secured with straps(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Tank labeled before leaving site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**M. SITE ASSESSMENT:**

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
25. Site assessed for contamination? See OAR 340-122-0340	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Soil samples taken and analyzed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Was contamination found? Date/Time: _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**N. REQUIRED SIGNATURES:**

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Permittee or Tank Owner: Alex Hattenhauer

(Please Print)

Permittee or Tank Owner: \_\_\_\_\_

(Signature)

Date: 4-22-24

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Licensed Supervisor: Jacob Howe

(Please Print)

Licensed Supervisor: \_\_\_\_\_

(Signature)

Date: 4/22/24

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Executive Officer: \_\_\_\_\_

Licensed Service Provider \_\_\_\_\_

(Please Print)

Executive Officer: \_\_\_\_\_

Licensed Service Provider \_\_\_\_\_

(Signature)

Date: 4/22/2024



# Technical Memorandum

To: Oregon Department of Environmental Quality (DEQ) Date: June 28, 2024  
From: Gina Baragona, David Weatherby, RG, MFA Project No.: M1964.08.001  
Re: Sample Locations for 100 N Main Street, Boardman, Oregon

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## Introduction

On April 4, 2024, Maul Foster & Alongi (MFA) collected soil samples in support of the permanent removal of five underground storage tanks (USTs), fuel lines, and dispensers at the commercial property located at 100 N Main Street, Boardman, Oregon, also known as the Hattenhauer Boardman Shell, DEQ ID No. 5066. The UST, fuel line, and dispenser removal activities were conducted by Anderson Environmental Contracting, LLC (AEC). As requested by DEQ, AEC returned to the site on June 18, 2024 to collect soil samples from under the four remaining and one removed dispensers. This memorandum describes the samples collected and analytical results.

## Field Observations

Five USTs were removed from two excavations as shown on the attached sketch map, as well as five fuel dispensers and associated fuel lines. MFA examined soils in the excavations and excavated soils in a soil stockpile, as well as soils in the dispenser and fuel line excavations for field indicators of contamination. No petroleum-like odors, staining, or sheen were observed. Representative soil samples from the excavations, from under fuel lines, from under the dispensers, and from the soil stockpile were analyzed for organic vapors with a photoionization detector. No elevated photoionization detector readings were noted (readings ranged from 0.1 to 0.2 parts per million). In-situ soils in the excavation bottoms were dry and groundwater never entered the excavations.

On June 18, 2024, AEC observed soil conditions from under the four remaining and one removed dispensers. No petroleum-like odors, staining, or sheen were observed.

## Sample Collection

### Excavation 1: USTs 1, 2, 3, and 4, and Fuel Line 1

The following soil samples were collected:

- Samples EX1-S-NE-15, EX1-S-NW-15, EX1-S-SE-15, EX1-S-SW-15, and EX1-S-CB-15 were collected from the excavation bottom at a depth of 15 feet below ground surface (bgs).
- Sample FL1-S-1.5 was collected from the fuel line 1 excavation at a depth of 1.5 feet bgs

### Excavation 2: UST 5, and Fuel Line 2

The following soil samples were collected:

- Samples EX2-S-SE-15 and EX2-S-NW-15 were collected from the excavation bottom at a depth of 15 feet bgs.
- Sample FL2-S-1.5 was collected from the fuel line 2 excavation at a depth of 1.5 feet bgs.

### **Stockpile Samples**

Five grab samples, designated A through E on the sketch map were collected from the stockpile and composited at the lab as sample SP-S-1.

### **Dispenser Samples**

At the five dispenser locations (four remaining and one removed), AEC cored through concrete or asphalt to access soil underneath the dispensers. Each core hole was advanced a horizontal distance of about 2 feet from the dispensers. Using a shop vac, AEC removed pea gravel fill from the core hole until the underlying native soils were encountered. AEC collected a soil sample from the top of the native soil surface for laboratory analysis. AEC then advanced each core hole to 5.5 to 7 feet bgs until refusal was encountered and collected a second soil sample for laboratory analysis. The following samples were collected:

- Samples Location #1 1 and Location #1 2 were collected from dispenser 1 at 3 and 5.5 feet bgs.
- Samples Location #2 1 and Location #2 2 were collected from dispenser 2 at 2.8 and 7 feet bgs.
- Samples Location #3 1 and Location #3 2 were collected from dispenser 3 at 3 and 6.5 feet bgs.
- Samples Location #4 1 and Location #4 2 were collected from dispenser 4 at 2.5 and 7 feet bgs.
- Samples Location #5 1 and Location #5 2 were collected from dispenser 5 at 2 and 6 feet bgs

## **Sample Analysis and Results**

The excavation, fuel line, stockpile, and dispenser samples were submitted to Apex Laboratories, LLC (Apex) in Tigard, Oregon under chain of custody for analysis.

The excavation, fuel line, and dispenser samples were analyzed by the hydrocarbon identification screen by NWTPH-HCID. The samples results are provided in the attached laboratory reports for Apex work orders A4D0964 and A4F1355. The NWTPH-HCID results were non-detect for all samples except samples EX1-S-SW-15 and FL2-S-1.5, which had detections for diesel, and sample Location #5 1, which had a detection for oil. These three samples were subsequently analyzed for diesel- and oil-range petroleum hydrocarbons by NWTPH-Dx. Diesel was detected in samples EX1-S-SW-15 and FL2-S-1.5 at concentrations of 76.0 and 152 milligrams per kilogram (mg/kg) respectively, which are much less than the most conservative DEQ risk-based concentration of 1,100 mg/kg for residential soil exposure. Oil was detected in sample Location #5 1 at a concentration of 113 mg/kg, which is much less than the most conservative DEQ risk-based concentration of 1,100 mg/kg for residential soil exposure. These concentrations are also much less than the DEQ Clean Fill Criterion of 1,100 mg/kg for diesel and oil, indicating the soil remaining in the excavations at these sample locations is the same as clean fill.

The stockpile sample was analyzed for the following:

- Gasoline-range petroleum hydrocarbons by NWTPH-Gx.
- Diesel- and oil-range petroleum hydrocarbons by NWTPH-Dx.
- Benzene, toluene, ethylbenzene, xylene, and naphthalene by EPA Method EPA 8260D.

- Toxicity Characteristic Leaching Procedure for benzene by EPA Method 1311/8260D.

The samples results are provided in the attached laboratory report for Apex work order A4D00964 and were non-detect for all of the analytical methods listed above. Based on these results, the stockpiled soil was used to backfill the excavations.

## Attachments

Limitations

Sketch Maps

Analytical Laboratory Reports

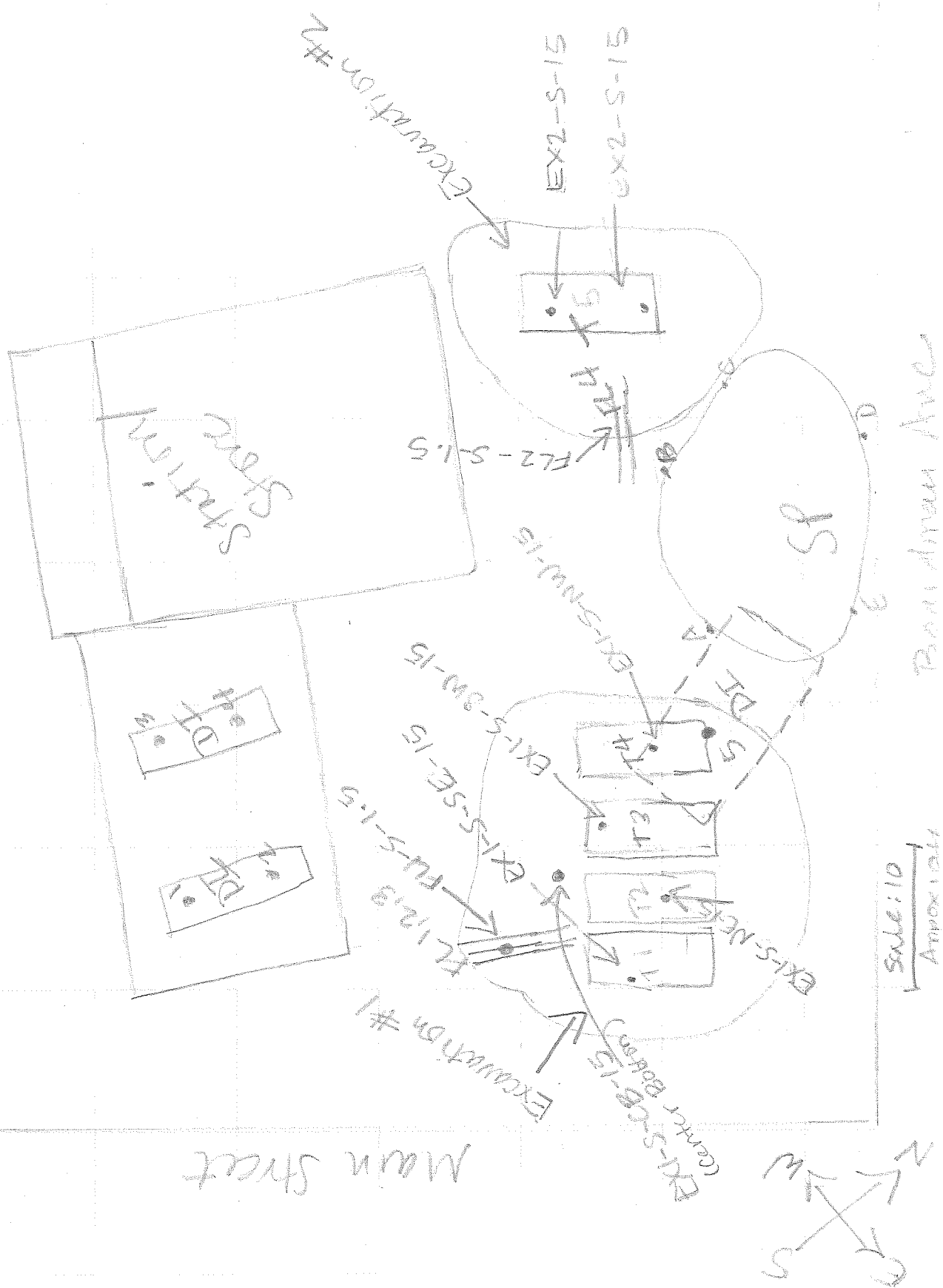
## Limitations

The services undertaken in completing this technical memorandum were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This technical memorandum is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

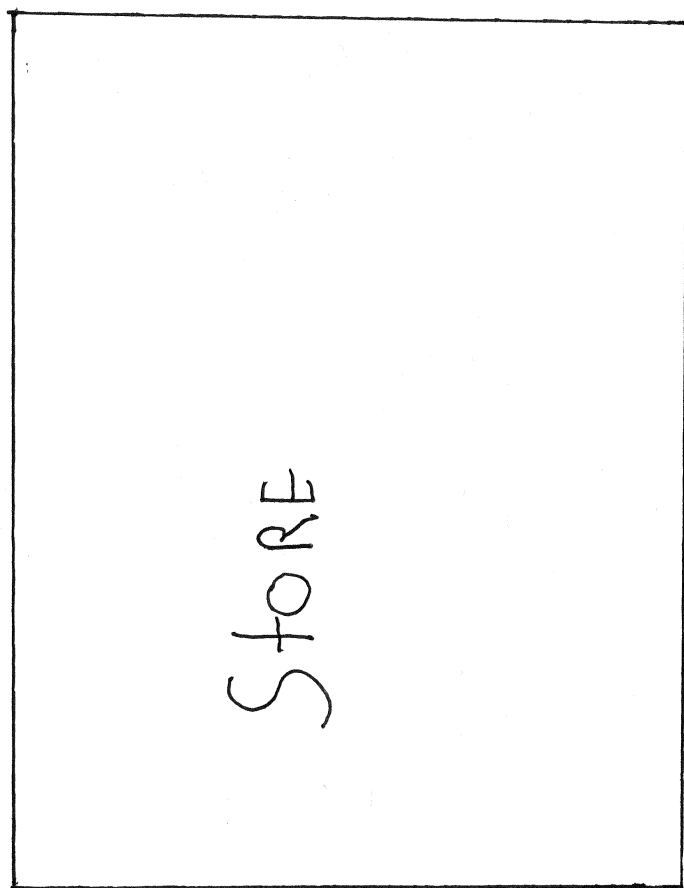
Opinions and recommendations contained in this technical memorandum apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this technical memorandum.

EX = Excavation Samples  
FL = fuel line samples  
SP = soil stock pile samples  
DF = dispenser island /  
not sampled

## MFA Excavation and Fuel Line Sample Locations



# AEC Dispenser Soil Sample Locations and Sample Depths



#5  
0 first - 2'  
second - 6'

#1  
first - 3'  
second - 5.5'

#3  
first - 3'  
second - 6.5'

#2  
first - 2.8'  
second - 7'

#4  
first - 2.5'  
second - 7'



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Tuesday, April 16, 2024

David Weatherby  
Maul Foster & Alongi, INC.  
3140 NE Broadway Street  
Portland, OR 97232

RE: A4D0964 - AEC-Boardman - M1964.06.001

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 A4D0964, which was received by the laboratory on 4/5/2024 at 10:27:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@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	
<u>Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.</u>	
(See Cooler Receipt Form for details)	
Default Cooler	<u>2.2 degC</u>

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.



Apex Laboratories

*Philip Nerenberg*

Philip Nerenberg, Lab Director

*The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.*

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **AEC-Boardman**Project Number: **M1964.06.001**Project Manager: **David Weatherby****Report ID:****A4D0964 - 04 16 24 1843****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-S-A	A4D0964-01	Soil	04/04/24 13:45	04/05/24 10:27
SP-S-B	A4D0964-02	Soil	04/04/24 13:50	04/05/24 10:27
SP-S-C	A4D0964-03	Soil	04/04/24 13:55	04/05/24 10:27
SP-S-D	A4D0964-04	Soil	04/04/24 13:58	04/05/24 10:27
SP-S-E	A4D0964-05	Soil	04/04/24 14:00	04/05/24 10:27
SP-S-A-E	A4D0964-06	Soil	04/04/24 14:00	04/05/24 10:27
SP-S-1	A4D0964-07	Soil	04/04/24 13:45	04/05/24 10:27
EX1-S-NE-15	A4D0964-08	Soil	04/04/24 13:20	04/05/24 10:27
EX1-S-NW-15	A4D0964-09	Soil	04/04/24 13:25	04/05/24 10:27
EX1-S-SE-15	A4D0964-10	Soil	04/04/24 13:27	04/05/24 10:27
EX1-S-SW-15	A4D0964-11	Soil	04/04/24 13:30	04/05/24 10:27
FL2-S-1.5	A4D0964-12	Soil	04/04/24 13:05	04/05/24 10:27
EX2-S-SE-15	A4D0964-13	Soil	04/04/24 13:01	04/05/24 10:27
EX2-S-NW-15	A4D0964-14	Soil	04/04/24 13:03	04/05/24 10:27
EX1-S-CB-15	A4D0964-15	Soil	04/04/24 13:35	04/05/24 10:27
FL1-S-1.5	A4D0964-16	Soil	04/04/24 13:05	04/05/24 10:27

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Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: AEC-Boardman

Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## ANALYTICAL SAMPLE RESULTS

## Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>EX1-S-NE-15 (A4D0964-08)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	19.0	mg/kg dry	1	04/09/24 11:30	NWTPH-HCID	
Diesel Range Organics	ND	---	47.6	mg/kg dry	1	04/09/24 11:30	NWTPH-HCID	
Oil Range Organics	ND	---	95.1	mg/kg dry	1	04/09/24 11:30	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 74 %		Limits: 50-150 %	1	04/09/24 11:30	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		89 %		50-150 %	1	04/09/24 11:30	NWTPH-HCID	
<b>EX1-S-NW-15 (A4D0964-09)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	18.1	mg/kg dry	1	04/09/24 11:54	NWTPH-HCID	
Diesel Range Organics	ND	---	45.2	mg/kg dry	1	04/09/24 11:54	NWTPH-HCID	
Oil Range Organics	ND	---	90.4	mg/kg dry	1	04/09/24 11:54	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 68 %		Limits: 50-150 %	1	04/09/24 11:54	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		83 %		50-150 %	1	04/09/24 11:54	NWTPH-HCID	
<b>EX1-S-SE-15 (A4D0964-10)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	19.2	mg/kg dry	1	04/09/24 12:41	NWTPH-HCID	
Diesel Range Organics	ND	---	47.9	mg/kg dry	1	04/09/24 12:41	NWTPH-HCID	
Oil Range Organics	ND	---	95.9	mg/kg dry	1	04/09/24 12:41	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 65 %		Limits: 50-150 %	1	04/09/24 12:41	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		78 %		50-150 %	1	04/09/24 12:41	NWTPH-HCID	
<b>EX1-S-SW-15 (A4D0964-11)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	18.9	mg/kg dry	1	04/09/24 15:04	NWTPH-HCID	
Diesel Range Organics	DET	---	47.3	mg/kg dry	1	04/09/24 15:04	NWTPH-HCID	
Oil Range Organics	ND	---	94.7	mg/kg dry	1	04/09/24 15:04	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 63 %		Limits: 50-150 %	1	04/09/24 15:04	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		77 %		50-150 %	1	04/09/24 15:04	NWTPH-HCID	
<b>FL2-S-1.5 (A4D0964-12)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	18.5	mg/kg dry	1	04/09/24 12:18	NWTPH-HCID	
Diesel Range Organics	DET	---	46.2	mg/kg dry	1	04/09/24 12:18	NWTPH-HCID	
Oil Range Organics	ND	---	92.4	mg/kg dry	1	04/09/24 12:18	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 83 %		Limits: 50-150 %	1	04/09/24 12:18	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		99 %		50-150 %	1	04/09/24 12:18	NWTPH-HCID	

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3140 NE Broadway Street

Portland, OR 97232

Project: AEC-Boardman

Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## ANALYTICAL SAMPLE RESULTS

## Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>EX2-S-SE-15 (A4D0964-13)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	18.0	mg/kg dry	1	04/09/24 13:05	NWTPH-HCID	
Diesel Range Organics	ND	---	45.1	mg/kg dry	1	04/09/24 13:05	NWTPH-HCID	
Oil Range Organics	ND	---	90.1	mg/kg dry	1	04/09/24 13:05	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 65 %		Limits: 50-150 %	1	04/09/24 13:05	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		77 %		50-150 %	1	04/09/24 13:05	NWTPH-HCID	
<b>EX2-S-NW-15 (A4D0964-14)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	18.7	mg/kg dry	1	04/09/24 14:40	NWTPH-HCID	
Diesel Range Organics	ND	---	46.9	mg/kg dry	1	04/09/24 14:40	NWTPH-HCID	
Oil Range Organics	ND	---	93.7	mg/kg dry	1	04/09/24 14:40	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 66 %		Limits: 50-150 %	1	04/09/24 14:40	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		77 %		50-150 %	1	04/09/24 14:40	NWTPH-HCID	
<b>EX1-S-CB-15 (A4D0964-15)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	18.1	mg/kg dry	1	04/09/24 13:29	NWTPH-HCID	
Diesel Range Organics	ND	---	45.4	mg/kg dry	1	04/09/24 13:29	NWTPH-HCID	
Oil Range Organics	ND	---	90.7	mg/kg dry	1	04/09/24 13:29	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 68 %		Limits: 50-150 %	1	04/09/24 13:29	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		83 %		50-150 %	1	04/09/24 13:29	NWTPH-HCID	
<b>FL1-S-1.5 (A4D0964-16)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0274</b>			
Gasoline Range Organics	ND	---	19.2	mg/kg dry	1	04/09/24 13:53	NWTPH-HCID	
Diesel Range Organics	ND	---	48.0	mg/kg dry	1	04/09/24 13:53	NWTPH-HCID	
Oil Range Organics	ND	---	96.1	mg/kg dry	1	04/09/24 13:53	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery: 64 %		Limits: 50-150 %	1	04/09/24 13:53	NWTPH-HCID	
4-Bromofluorobenzene (Surr)		71 %		50-150 %	1	04/09/24 13:53	NWTPH-HCID	

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Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## 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>SP-S-1 (A4D0964-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0300</b>		<b>COMP</b>
Diesel	ND	---	18.4	mg/kg dry	1	04/08/24 21:48	NWTPH-Dx	
Oil	ND	---	36.7	mg/kg dry	1	04/08/24 21:48	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 92 %	Limits: 50-150 %	1	04/08/24 21:48	NWTPH-Dx		
<b>EX1-S-SW-15 (A4D0964-11RE1)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0465</b>		
Diesel	76.0	---	18.6	mg/kg dry	1	04/11/24 19:33	NWTPH-Dx	
Oil	ND	---	37.1	mg/kg dry	1	04/11/24 19:33	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 92 %	Limits: 50-150 %	1	04/11/24 19:33	NWTPH-Dx		
<b>FL2-S-1.5 (A4D0964-12RE1)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0465</b>		
Diesel	152	---	17.6	mg/kg dry	1	04/11/24 20:34	NWTPH-Dx	
Oil	ND	---	35.3	mg/kg dry	1	04/11/24 20:34	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 93 %	Limits: 50-150 %	1	04/11/24 20:34	NWTPH-Dx		

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## ANALYTICAL SAMPLE RESULTS

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SP-S-A-E (A4D0964-06RE1)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0282</b>		
Gasoline Range Organics	ND	---	4.38	mg/kg dry	50	04/08/24 18:23	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery:	104 %	Limits: 50-150 %	1	04/08/24 18:23	NWTPH-Gx (MS)	
1,4-Difluorobenzene (Sur)			108 %	50-150 %	1	04/08/24 18:23	NWTPH-Gx (MS)	

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Project Manager: **David Weatherby**

**Report ID:**

**A4D0964 - 04 16 24 1843**

## ANALYTICAL SAMPLE RESULTS

### BTEX+N Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SP-S-A-E (A4D0964-06RE1)</b>		<b>Matrix: Soil</b>			<b>Batch: 24D0282</b>			
Benzene	ND	---	8.77	ug/kg dry	50	04/08/24 18:23	5035A/8260D	
Toluene	ND	---	43.8	ug/kg dry	50	04/08/24 18:23	5035A/8260D	
Ethylbenzene	ND	---	21.9	ug/kg dry	50	04/08/24 18:23	5035A/8260D	
Xylenes, total	ND	---	65.7	ug/kg dry	50	04/08/24 18:23	5035A/8260D	
Naphthalene	ND	---	87.7	ug/kg dry	50	04/08/24 18:23	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	91 %	<i>Limits:</i>	80-120 %	1	04/08/24 18:23	5035A/8260D
<i>Toluene-d8 (Surr)</i>			100 %		80-120 %	1	04/08/24 18:23	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			98 %		79-120 %	1	04/08/24 18:23	5035A/8260D

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*Philip Nerenberg*

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## ANALYTICAL SAMPLE RESULTS

## TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SP-S-1 (A4D0964-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0339</b>		<b>COMP</b>
Benzene	ND	---	0.0100	mg/L	50	04/09/24 11:23	1311/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	110 %	<i>Limits:</i>	80-120 %	1	04/09/24 11:23	1311/8260D
<i>Toluene-d8 (Surr)</i>			101 %		80-120 %	1	04/09/24 11:23	1311/8260D
<i>4-Bromofluorobenzene (Surr)</i>			105 %		80-120 %	1	04/09/24 11:23	1311/8260D

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## ANALYTICAL SAMPLE RESULTS

## Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SP-S-A-E (A4D0964-06)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0384</b>		
% Solids	94.4	---	1.00	%	1	04/10/24 10:36	EPA 8000D	
<b>SP-S-1 (A4D0964-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		<b>COMP</b>
% Solids	94.4	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>EX1-S-NE-15 (A4D0964-08)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	92.3	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>EX1-S-NW-15 (A4D0964-09)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	93.6	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>EX1-S-SE-15 (A4D0964-10)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	93.0	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>EX1-S-SW-15 (A4D0964-11)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	94.0	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>FL2-S-1.5 (A4D0964-12)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	96.8	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>EX2-S-SE-15 (A4D0964-13)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	93.0	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>EX2-S-NW-15 (A4D0964-14)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	94.3	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>EX1-S-CB-15 (A4D0964-15)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	94.7	---	1.00	%	1	04/09/24 06:47	EPA 8000D	
<b>FL1-S-1.5 (A4D0964-16)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0283</b>		
% Solids	94.0	---	1.00	%	1	04/09/24 06:47	EPA 8000D	

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Report ID:

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ANALYTICAL SAMPLE RESULTS

TCLP Extraction by EPA 1311 (ZHE)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SP-S-1 (A4D0964-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 24D0316</b>		<b>COMP</b>
TCLP ZHE Extraction	PREP	---		N/A	1	04/08/24 14:40	EPA 1311 ZHE	

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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0274 - EPA 3546 (Fuels)						Soil						
Blank (24D0274-BLK1)			Prepared: 04/08/24 04:57    Analyzed: 04/09/24 09:09									
NWTPH-HCID												
Gasoline Range Organics	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Diesel Range Organics	ND	---	50.0	mg/kg wet	1	---	---	---	---	---	---	
Oil Range Organics	ND	---	100	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 73 %		Limits: 50-150 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		91 %		50-150 %		"						
Duplicate (24D0274-DUP1)			Prepared: 04/08/24 04:57    Analyzed: 04/09/24 09:56									
QC Source Sample: Non-SDG (A4D0957-01)												
Gasoline Range Organics	ND	---	20.8	mg/kg dry	1	---	ND	---	---	---	30%	
Diesel Range Organics	ND	---	52.1	mg/kg dry	1	---	ND	---	---	---	30%	
Oil Range Organics	ND	---	104	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 62 %		Limits: 50-150 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		78 %		50-150 %		"						
Duplicate (24D0274-DUP2)			Prepared: 04/08/24 04:57    Analyzed: 04/09/24 14:16									
QC Source Sample: FLI-S-1.5 (A4D0964-16)												
NWTPH-HCID												
Gasoline Range Organics	ND	---	18.3	mg/kg dry	1	---	ND	---	---	---	30%	
Diesel Range Organics	ND	---	45.8	mg/kg dry	1	---	ND	---	---	---	30%	
Oil Range Organics	ND	---	91.5	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 70 %		Limits: 50-150 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		78 %		50-150 %		"						

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **AEC-Boardman**Project Number: **M1964.06.001**Project Manager: **David Weatherby****Report ID:****A4D0964 - 04 16 24 1843**

## 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 24D0300 - EPA 3546 (Fuels)						Soil						
Blank (24D0300-BLK1)			Prepared: 04/08/24 11:42		Analyzed: 04/08/24 21:01							
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 94 %		Limits: 50-150 %		Dilution: 1x						
LCS (24D0300-BS1)			Prepared: 04/08/24 11:42		Analyzed: 04/08/24 21:24							
NWTPH-Dx												
Diesel	118	---	20.0	mg/kg wet	1	125	---	94	38-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 102 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0300-DUP1)			Prepared: 04/08/24 11:42		Analyzed: 04/08/24 22:11							COMP
QC Source Sample: SP-S-1 (A4D0964-07)												
NWTPH-Dx												
Diesel	ND	---	18.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	36.1	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 100 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0300-DUP2)			Prepared: 04/08/24 18:14		Analyzed: 04/09/24 05:37							
QC Source Sample: Non-SDG (A4D1032-02)												
Diesel	ND	---	19.1	mg/kg dry	1	---	ND	---	---	---	30%	Q-37
Oil	ND	---	38.3	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 82 %		Limits: 50-150 %		Dilution: 1x						

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Portland, OR 97232Project: AEC-Boardman

Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## 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 24D0427 - EPA 3546 (Fuels)						Soil						
Blank (24D0427-BLK1)			Prepared: 04/10/24 16:49    Analyzed: 04/11/24 00:45									
<u>NWTPH-Dx</u>												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 81 %		Limits: 50-150 %		Dilution: 1x						
LCS (24D0427-BS1)			Prepared: 04/10/24 16:49    Analyzed: 04/11/24 01:09									
<u>NWTPH-Dx</u>												
Diesel	115	---	20.0	mg/kg wet	1	125	---	92	38-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 88 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0427-DUP1)			Prepared: 04/10/24 16:49    Analyzed: 04/11/24 03:30									X
<u>QC Source Sample: Non-SDG (A4D1117-01)</u>												
Diesel	148	---	23.7	mg/kg dry	1	---	81.7	---	---	58	30%	Q-05
Oil	ND	---	47.3	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 79 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0427-DUP2)			Prepared: 04/10/24 17:40    Analyzed: 04/11/24 01:09									
<u>QC Source Sample: Non-SDG (A4D1124-02)</u>												
Diesel	15600	---	970	mg/kg dry	40	---	12400	---	---	23	30%	
Oil	ND	---	1940	mg/kg dry	40	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: %		Limits: 50-150 %		Dilution: 40x						S-01

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Philip Nerenberg, Lab Director

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **AEC-Boardman**Project Number: **M1964.06.001**Project Manager: **David Weatherby****Report ID:****A4D0964 - 04 16 24 1843**

## 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 24D0465 - EPA 3546 (Fuels)						Soil						
Blank (24D0465-BLK1)			Prepared: 04/11/24 15:26    Analyzed: 04/11/24 18:52									
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 91 %		Limits: 50-150 %		Dilution: 1x						
LCS (24D0465-BS1)			Prepared: 04/11/24 15:26    Analyzed: 04/11/24 19:13									
NWTPH-Dx												
Diesel	107	---	20.0	mg/kg wet	1	125	---	86	38-132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 99 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0465-DUP1)			Prepared: 04/11/24 15:26    Analyzed: 04/11/24 19:53									
QC Source Sample: EX1-S-SW-15 (A4D0964-11RE1)												
NWTPH-Dx												
Diesel	63.7	---	18.0	mg/kg dry	1	---	76.0	---	---	18	30%	
Oil	ND	---	36.0	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 92 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24D0465-DUP2)			Prepared: 04/11/24 16:26    Analyzed: 04/12/24 06:03									
QC Source Sample: Non-SDG (A4D1157-05)												
Diesel	ND	---	20.2	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	40.4	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 95 %		Limits: 50-150 %		Dilution: 1x						

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Portland, OR 97232Project: AEC-Boardman

Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0231 - EPA 5035A						Soil						
Blank (24D0231-BLK1)			Prepared: 04/05/24 08:07    Analyzed: 04/05/24 11:03									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery:	103 %	Limits:	50-150 %	Dilution: 1x						
1,4-Difluorobenzene (Sur)			105 %		50-150 %	"						
LCS (24D0231-BS2)			Prepared: 04/05/24 08:07    Analyzed: 04/05/24 10:37									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	26.4	---	5.00	mg/kg wet	50	25.0	---	106	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery:	100 %	Limits:	50-150 %	Dilution: 1x						
1,4-Difluorobenzene (Sur)			103 %		50-150 %	"						
Duplicate (24D0231-DUP1)			Prepared: 04/02/24 10:00    Analyzed: 04/05/24 15:45									
<u>QC Source Sample: Non-SDG (A4D0849-02)</u>												
Gasoline Range Organics	418	---	12.0	mg/kg dry	100	---	445	---	---	6	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery:	109 %	Limits:	50-150 %	Dilution: 1x						
1,4-Difluorobenzene (Sur)			96 %		50-150 %	"						

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Project Manager: David Weatherby

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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0282 - EPA 5035A						Soil						
Blank (24D0282-BLK1)			Prepared: 04/08/24 09:05   Analyzed: 04/08/24 11:07									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	ND	---	5.00	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 95 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		100 %		50-150 %		"						
LCS (24D0282-BS2)			Prepared: 04/08/24 09:05   Analyzed: 04/08/24 10:42									
<u>NWTPH-Gx (MS)</u>												
Gasoline Range Organics	24.2	---	5.00	mg/kg wet	50	25.0	---	97	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 95 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		99 %		50-150 %		"						
Duplicate (24D0282-DUP1)			Prepared: 04/04/24 12:00   Analyzed: 04/08/24 20:57									
<u>QC Source Sample: Non-SDG (A4D0972-01)</u>												
Gasoline Range Organics	4670	---	486	mg/kg dry	5000	---	4540	---	---	3	30%	
Surr: 4-Bromofluorobenzene (Sur)		Recovery: 99 %		Limits: 50-150 %		Dilution: 1x						
1,4-Difluorobenzene (Sur)		97 %		50-150 %		"						

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ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **AEC-Boardman**Project Number: **M1964.06.001**Project Manager: **David Weatherby****Report ID:****A4D0964 - 04 16 24 1843**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 24D0231 - EPA 5035A</b>												
<b>Soil</b>												
<b>Blank (24D0231-BLK1)</b>												
Prepared: 04/05/24 08:07 Analyzed: 04/05/24 11:03												
<u>5035A/8260D</u>												
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	75.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>												
<i>Recovery: 94 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr)</i>												
<i>96 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr)</i>												
<i>94 % 79-120 % "</i>												
<b>LCS (24D0231-BS1)</b>												
Prepared: 04/05/24 08:07 Analyzed: 04/05/24 10:11												
<u>5035A/8260D</u>												
Benzene	890	---	10.0	ug/kg wet	50	1000	---	89	80-120%	---	---	
Toluene	956	---	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Ethylbenzene	955	---	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Xylenes, total	2850	---	75.0	ug/kg wet	50	3000	---	95	80-120%	---	---	
Naphthalene	890	---	100	ug/kg wet	50	1000	---	89	80-120%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>												
<i>Recovery: 93 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr)</i>												
<i>98 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr)</i>												
<i>93 % 79-120 % "</i>												
<b>Duplicate (24D0231-DUP1)</b>												
Prepared: 04/02/24 10:00 Analyzed: 04/05/24 15:45												
<u>QC Source Sample: Non-SDG (A4D0849-02)</u>												
Benzene	ND	---	24.0	ug/kg dry	100	---	ND	---	---	---	30%	
Toluene	ND	---	120	ug/kg dry	100	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	60.1	ug/kg dry	100	---	ND	---	---	---	30%	
Xylenes, total	ND	---	180	ug/kg dry	100	---	ND	---	---	---	30%	
Naphthalene	1990	---	240	ug/kg dry	100	---	2150	---	---	7	30%	
<i>Surr: 1,4-Difluorobenzene (Surr)</i>												
<i>Recovery: 110 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr)</i>												
<i>89 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr)</i>												
<i>104 % 79-120 % "</i>												
<b>Matrix Spike (24D0231-MS1)</b>												
Prepared: 04/03/24 12:35 Analyzed: 04/05/24 14:03												

Apex Laboratories

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Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: AEC-Boardman

Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## QUALITY CONTROL (QC) SAMPLE RESULTS

## BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0231 - EPA 5035A						Soil						
Matrix Spike (24D0231-MS1)			Prepared: 04/03/24 12:35   Analyzed: 04/05/24 14:03									
<u>QC Source Sample: Non-SDG (A4D0913-05)</u>												
<u>5035A/8260D</u>												
Benzene	1200	---	12.5	ug/kg dry	50	1250	ND	96	77-121%	---	---	
Toluene	1260	---	62.5	ug/kg dry	50	1250	ND	100	77-121%	---	---	
Ethylbenzene	1270	---	31.2	ug/kg dry	50	1250	ND	101	76-122%	---	---	
Xylenes, total	3740	---	93.7	ug/kg dry	50	3750	ND	100	78-124%	---	---	
Naphthalene	1080	---	125	ug/kg dry	50	1250	ND	86	62-129%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 91 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		98 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		91 %		79-120 %		"						

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A4D0964 - 04 16 24 1843

## QUALITY CONTROL (QC) SAMPLE RESULTS

## BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0282 - EPA 5035A												
Soil												
Blank (24D0282-BLK1)												
Prepared: 04/08/24 09:05 Analyzed: 04/08/24 11:07												
5035A/8260D												
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	75.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)												
Recovery: 96 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr)												
97 % 80-120 % "												
4-Bromofluorobenzene (Surr)												
98 % 79-120 % "												
LCS (24D0282-BS1)												
Prepared: 04/08/24 09:05 Analyzed: 04/08/24 10:16												
5035A/8260D												
Benzene	900	---	10.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
Toluene	940	---	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
Ethylbenzene	946	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Xylenes, total	2790	---	75.0	ug/kg wet	50	3000	---	93	80-120%	---	---	
Naphthalene	900	---	100	ug/kg wet	50	1000	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)												
Recovery: 97 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr)												
97 % 80-120 % "												
4-Bromofluorobenzene (Surr)												
96 % 79-120 % "												
Duplicate (24D0282-DUP1)												
Prepared: 04/04/24 12:00 Analyzed: 04/08/24 20:57												
QC Source Sample: Non-SDG (A4D0972-01)												
Benzene	ND	---	971	ug/kg dry	5000	---	ND	---	---	---	30%	
Toluene	ND	---	4860	ug/kg dry	5000	---	ND	---	---	---	30%	
Ethylbenzene	49700	---	2430	ug/kg dry	5000	---	48500	---	---	2	30%	
Xylenes, total	254000	---	7280	ug/kg dry	5000	---	248000	---	---	3	30%	
Naphthalene	15100	---	9710	ug/kg dry	5000	---	15800	---	---	4	30%	
Surr: 1,4-Difluorobenzene (Surr)												
Recovery: 105 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr)												
94 % 80-120 % "												
4-Bromofluorobenzene (Surr)												
99 % 79-120 % "												
Matrix Spike (24D0282-MS1)												
Prepared: 04/04/24 10:30 Analyzed: 04/08/24 17:32												

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Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## QUALITY CONTROL (QC) SAMPLE RESULTS

## BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0282 - EPA 5035A						Soil						
Matrix Spike (24D0282-MS1)			Prepared: 04/04/24 10:30   Analyzed: 04/08/24 17:32									
<u>QC Source Sample: Non-SDG (A4D0963-01)</u>												
<u>5035A/8260D</u>												
Benzene	1100	---	10.7	ug/kg dry	50	1070	ND	102	77-121%	---	---	
Toluene	1140	---	53.7	ug/kg dry	50	1070	ND	106	77-121%	---	---	
Ethylbenzene	1150	---	26.8	ug/kg dry	50	1070	ND	108	76-122%	---	---	
Xylenes, total	3420	---	80.5	ug/kg dry	50	3220	ND	106	78-124%	---	---	
Naphthalene	936	---	107	ug/kg dry	50	1070	ND	87	62-129%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 91 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		99 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		86 %		79-120 %		"						

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **AEC-Boardman**Project Number: **M1964.06.001**Project Manager: **David Weatherby****Report ID:****A4D0964 - 04 16 24 1843**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24D0339 - EPA 1311/5030C TCLP Volatiles						Solid						
Blank (24D0339-BLK1)			Prepared: 04/09/24 08:25		Analyzed: 04/09/24 10:56		TCLP					
1311/8260D												
Benzene	ND	---	0.0100	mg/L	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 110 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		98 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		104 %		80-120 %		"						
LCS (24D0339-BS1)			Prepared: 04/09/24 08:25		Analyzed: 04/09/24 10:01		TCLP					
1311/8260D												
Benzene	1.01	---	0.0100	mg/L	50	1.00	---	101	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 102 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		98 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		99 %		80-120 %		"						
Duplicate (24D0339-DUP1)			Prepared: 04/09/24 08:25		Analyzed: 04/09/24 11:50		COMP					
QC Source Sample: SP-S-1 (A4D0964-07)												
1311/8260D												
Benzene	ND	---	0.0100	mg/L	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 110 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		100 %		80-120 %		"						
Matrix Spike (24D0339-MS1)			Prepared: 04/09/24 08:25		Analyzed: 04/09/24 12:18		COMP					
QC Source Sample: SP-S-1 (A4D0964-07)												
1311/8260D												
Benzene	1.07	---	0.0100	mg/L	50	1.00	ND	107	79-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 103 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		96 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		98 %		80-120 %		"						

Apex Laboratories

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062Maul Foster & Alongi, INC.3140 NE Broadway Street  
Portland, OR 97232Project: AEC-Boardman

Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

## 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 24D0283 - Total Solids (Dry Weight) - 2022							Soil					
Duplicate (24D0283-DUP1)			Prepared: 04/08/24 09:11   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A3L1240-01)</u>												
% Solids	84.1	---	1.00	%	1	---	83.6	---	---	0.5	10%	
Duplicate (24D0283-DUP2)			Prepared: 04/08/24 09:11   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A3L1240-02)</u>												
% Solids	86.8	---	1.00	%	1	---	86.6	---	---	0.3	10%	
Duplicate (24D0283-DUP3)			Prepared: 04/08/24 09:11   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A3L1240-03)</u>												
% Solids	89.3	---	1.00	%	1	---	89.5	---	---	0.3	10%	
Duplicate (24D0283-DUP4)			Prepared: 04/08/24 09:11   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A3L1240-04)</u>												
% Solids	76.6	---	1.00	%	1	---	78.9	---	---	3	10%	
Duplicate (24D0283-DUP5)			Prepared: 04/08/24 09:11   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A3L1240-05)</u>												
% Solids	72.2	---	1.00	%	1	---	69.7	---	---	4	10%	
Duplicate (24D0283-DUP6)			Prepared: 04/08/24 09:11   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A3L1240-06)</u>												
% Solids	70.5	---	1.00	%	1	---	70.4	---	---	0.3	10%	
Duplicate (24D0283-DUP7)			Prepared: 04/08/24 09:11   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A3L1240-07)</u>												
% Solids	76.8	---	1.00	%	1	---	75.2	---	---	2	10%	
Duplicate (24D0283-DUP8)			Prepared: 04/08/24 18:56   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A4D1022-01)</u>												
% Solids	89.0	---	1.00	%	1	---	83.1	---	---	7	10%	

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Project Manager: David Weatherby

Report ID:

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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 24D0283 - Total Solids (Dry Weight) - 2022							Soil					
Duplicate (24D0283-DUP9)			Prepared: 04/08/24 18:56   Analyzed: 04/09/24 06:47									
<u>QC Source Sample: Non-SDG (A4D1032-02)</u>												
% Solids	89.7	---	1.00	%	1	---	88.6	---	---	1	10%	

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

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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 24D0384 - Total Solids (Dry Weight) - 2022							Soil					
Duplicate (24D0384-DUP1)			Prepared: 04/10/24 06:27    Analyzed: 04/10/24 10:36									
<u>QC Source Sample: Non-SDG (A4D1070-01)</u>												
% Solids	74.0	---	1.00	%	1	---	74.7	---	---	0.9	10%	

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

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Project: **AEC-Boardman**Project Number: **M1964.06.001**Project Manager: **David Weatherby****Report ID:****A4D0964 - 04 16 24 1843**

## SAMPLE PREPARATION INFORMATION

## Hydrocarbon Identification Screen by NWTPH-HCID

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0274							
A4D0964-08	Soil	NWTPH-HCID	04/04/24 13:20	04/08/24 04:57	11.39g/10mL	10g/10mL	0.88
A4D0964-09	Soil	NWTPH-HCID	04/04/24 13:25	04/08/24 04:57	11.83g/10mL	10g/10mL	0.85
A4D0964-10	Soil	NWTPH-HCID	04/04/24 13:27	04/08/24 04:57	11.22g/10mL	10g/10mL	0.89
A4D0964-11	Soil	NWTPH-HCID	04/04/24 13:30	04/08/24 04:57	11.24g/10mL	10g/10mL	0.89
A4D0964-12	Soil	NWTPH-HCID	04/04/24 13:05	04/08/24 04:57	11.18g/10mL	10g/10mL	0.89
A4D0964-13	Soil	NWTPH-HCID	04/04/24 13:01	04/08/24 04:57	11.93g/10mL	10g/10mL	0.84
A4D0964-14	Soil	NWTPH-HCID	04/04/24 13:03	04/08/24 04:57	11.31g/10mL	10g/10mL	0.88
A4D0964-15	Soil	NWTPH-HCID	04/04/24 13:35	04/08/24 04:57	11.64g/10mL	10g/10mL	0.86
A4D0964-16	Soil	NWTPH-HCID	04/04/24 13:05	04/08/24 04:57	11.07g/10mL	10g/10mL	0.90

## 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: 24D0300							
A4D0964-07	Soil	NWTPH-Dx	04/04/24 13:45	04/08/24 11:42	11.54g/5mL	10g/5mL	0.87
Batch: 24D0465							
A4D0964-11RE1	Soil	NWTPH-Dx	04/04/24 13:30	04/11/24 15:26	11.46g/5mL	10g/5mL	0.87
A4D0964-12RE1	Soil	NWTPH-Dx	04/04/24 13:05	04/11/24 15:26	11.71g/5mL	10g/5mL	0.85

## Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0282							
A4D0964-06RE1	Soil	NWTPH-Gx (MS)	04/04/24 14:00	04/04/24 14:00	51.85g/40mL	5g/5mL	0.77

## BTEX+N Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24D0282							
A4D0964-06RE1	Soil	5035A/8260D	04/04/24 14:00	04/04/24 14:00	51.85g/40mL	5g/5mL	0.77

## TCLP Volatile Organic Compounds by EPA 1311/8260D

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ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **AEC-Boardman**Project Number: **M1964.06.001**Project Manager: **David Weatherby****Report ID:****A4D0964 - 04 16 24 1843**

## SAMPLE PREPARATION INFORMATION

## TCLP Volatile Organic Compounds by EPA 1311/8260D

**Prep: EPA 1311/5030C TCLP Volatiles**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b><u>Batch: 24D0339</u></b>							
A4D0964-07	Soil	1311/8260D	04/04/24 13:45	04/09/24 08:25	5mL/5mL	5mL/5mL	1.00

## Percent Dry Weight

**Prep: Total Solids (Dry Weight) - 2022**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b><u>Batch: 24D0283</u></b>							
A4D0964-07	Soil	EPA 8000D	04/04/24 13:45	04/08/24 09:11			NA
A4D0964-08	Soil	EPA 8000D	04/04/24 13:20	04/08/24 09:11			NA
A4D0964-09	Soil	EPA 8000D	04/04/24 13:25	04/08/24 09:11			NA
A4D0964-10	Soil	EPA 8000D	04/04/24 13:27	04/08/24 09:11			NA
A4D0964-11	Soil	EPA 8000D	04/04/24 13:30	04/08/24 09:11			NA
A4D0964-12	Soil	EPA 8000D	04/04/24 13:05	04/08/24 09:11			NA
A4D0964-13	Soil	EPA 8000D	04/04/24 13:01	04/08/24 09:11			NA
A4D0964-14	Soil	EPA 8000D	04/04/24 13:03	04/08/24 09:11			NA
A4D0964-15	Soil	EPA 8000D	04/04/24 13:35	04/08/24 09:11			NA
A4D0964-16	Soil	EPA 8000D	04/04/24 13:05	04/08/24 09:11			NA
<b><u>Batch: 24D0384</u></b>							
A4D0964-06	Soil	EPA 8000D	04/04/24 14:00	04/10/24 06:27			NA

## TCLP Extraction by EPA 1311 (ZHE)

**Prep: EPA 1311 TCLP/ZHE**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b><u>Batch: 24D0316</u></b>							
A4D0964-07	Soil	EPA 1311 ZHE	04/04/24 13:45	04/08/24 14:40	25.2g/500.6g	25g/500g	NA

Apex Laboratories

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Project: **AEC-Boardman**

Project Number: **M1964.06.001**

Project Manager: **David Weatherby**

**Report ID:**

**A4D0964 - 04 16 24 1843**

## QUALIFIER DEFINITIONS

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

#### **Apex Laboratories**

- COMP** Analyzed sample is a composite of discrete samples that was performed in the laboratory.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-06** Internal Standard area outside of method specified limits. Data is Not Reported. See previous or subsequent runs for reportable sample data.
- Q-37** Sample is non-homogenous. Sample results are less than the Reporting Level (MDL and/or MRL) and Duplicate results exceed this level. See QC Section of the report for Duplicate results.
- S-01** Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
- TCLP** This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 24D0316.
- X** See Case Narrative.

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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'.

Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

**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) may not be 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).

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

**Blanks:**

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to  $\frac{1}{2}$  the Reporting Limit (RL).

-For Blank hits falling between  $\frac{1}{2}$  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.

-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, if results are not reported to the MDL.

**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.

Apex Laboratories

Philip Nerenberg, Lab Director

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Maul Foster &amp; Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: AEC-Boardman

Project Number: M1964.06.001

Project Manager: David Weatherby

Report ID:

A4D0964 - 04 16 24 1843

APEX LABS		CHAIN OF CUSTODY		Lab # A4D0964 Doc 1 of 2																				
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323		Project: Mgr: David Weatherby		Project #: M1964.06.001																				
Company: MFA		Project Name: AEC-Boardman		Email: Dweatherby@maulfo.com																				
Address: 109 E 73rd Street VMC WA		Phone: 503-501-5284																						
Sampled by: Gina Baragana		Project: Mgr: David Weatherby		Project #: M1964.06.001																				
Site Location: OR		Project: Mgr: David Weatherby		Project #: M1964.06.001																				
State: OR		Project: Mgr: David Weatherby		Project #: M1964.06.001																				
County: Multnomah		Project: Mgr: David Weatherby		Project #: M1964.06.001																				
SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCD	NWTPH-DX	NWTPH-CX	8260 BTEX + Naphthalene	8260 RBDM VOCs	8260 Labo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Ti, Zn	TOTAL DISS. TCIP	TCIP Metals (8)	TCIP Benzene	Hold Sample	Frozen Archive	
SP-S-A	4/4/24	13:45	S	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SP-S-B	4/4/24	13:50	S	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SP-S-C	4/4/24	13:55	S	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SP-S-D	4/4/24	13:58	S	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SP-S-E	4/4/24	14:00	S	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SP-S-A-E	4/4/24	14:00	S	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 5 Day Standard Other:

SPECIAL INSTRUCTIONS:

Samples SP-S-A through E to be composited and renamed SP-S-1.

RELINQUISHED BY:		RECEIVED BY:	
Signature: Gina Baragana	Date: 4/14/24	Signature: David Weatherby	Date: 4/15/24
Printed Name: Gina Baragana	Time: 17:40	Printed Name: David Weatherby	Time: 10:27
Company: MFA		Company: Apex	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: AEC-BoardmanProject Number: M1964.06.001Project Manager: David WeatherbyReport ID:A4D0964 - 04 16 24 1843

APEX LABS		CHAIN OF CUSTODY		Lab # <u>A4D0964</u> COC <u>Z</u> of <u>2</u>	
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323		Project Mgr: <u>David Weatherby</u>		Project #: <u>M1964.06.001</u>	
Company: <u>MFA</u>		Project Name: <u>AEC - Boardman</u>		Project #: <u>M1964.06.001</u>	
Address: <u>109 E 13th Street Vane, WA</u>		Phone: <u>503-581-5204</u>		Email: <u>Dweatherby@maul-foster.com</u>	
Sampled by: <u>Cirina Buragana</u>		ANALYSIS REQUEST			
Site Location:					
State: <u>OR</u>					
County: <u>Marion</u>					
SAMPLE ID		DATE	TIME	MATRIX	# OF CONTAINERS
EX1-S-NE-15	4/14/24	1320	S	3	✓
EX1-S-NW-15	4/14/24	1325	S	3	✓
EX1-S-SE-16	4/14/24	1327	S	3	✓
EX1-S-SW-15	4/14/24	1330	S	3	✓
FL2-S-1,5	4/14/24	1305	S	3	✓
EX2-S-SE-15	4/14/24	1307	S	3	✓
EX2-S-NW-15	4/14/24	1323	S	3	✓
EX1-S-CB-15	4/14/24	1335	S	3	✓
SPECIAL INSTRUCTIONS					
Standard Turn Around Time (TAT) = 10 Business Days					
TAT Requested (circle) <u>1 Day</u> <u>2 Day</u> <u>3 Day</u> Other: _____					
SAMPLES ARE HELD FOR 30 DAYS					
RELINQUISHED BY:		RECEIVED BY:		RECEIVED BY:	
Signature: <u>Philip Nerenberg</u>	Date: <u>4/14/24</u>	Signature: <u>[Signature]</u>	Date: <u>4/15/24</u>	Signature: <u>[Signature]</u>	Date: <u>4/15/24</u>
Printed Name: <u>Cirina Buragana</u>	Time: <u>17:40</u>	Printed Name: <u>Isabel Garcia</u>	Time: <u>10:27</u>	Printed Name: <u>K. Burger</u>	Time: <u>10:27</u>
Company: <u>MFA</u>		Company: <u>MFA</u>		Company: <u>Apex</u>	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: AEC-BoardmanProject Number: M1964.06.001Project Manager: David WeatherbyReport ID:A4D0964 - 04 16 24 1843**APEX LABS COOLER RECEIPT FORM**Client: MFA Element WO#: A4D0964Project/Project #: AEC-Boardman M1964.06.001**Delivery Info:**Date/time received: 4/5/24 @ 1027 By: KABDelivered by: Apex Client ☒ ESS FedEx UPS Radio Morgan SDS Evergreen OtherFrom USDA Regulated Origin? Yes No ☒**Cooler Inspection** Date/time inspected: 4/5/24 @ 1027 By: KABChain of Custody included? Yes ☒ NoSigned/dated by client? Yes ☒ NoContains USDA Reg. Soils? Yes No ☒ Unsure (email RegSoils)

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.2</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition (In/Out):	<u>IN</u>						

Cooler out of temp? (Y/N) Possible reason why:

Green dots applied to out of temperature samples? Yes ☒ NoOut of temperature samples form initiated? Yes ☒ No**Sample Inspection:** Date/time inspected: 4/5/24 @ 11:26 By: KABAll samples intact? Yes ☒ No Comments:Bottle labels/COCs agree? Yes No ☒ Comments: FL1-S-1.5 containers receivedby not listed on COC; container reads date as 4/4/24 i time as 13:05 time on FL2-S-1.5 reads 13:15COC/container discrepancies form initiated? Yes No ☒Containers/volumes received appropriate for analysis? Yes ☒ No Comments:Do VOA vials have visible headspace? Yes No NA ☒

Comments:

Water samples: pH checked: Yes No NA ☒ pH appropriate? Yes No NA ☒ pH ID:

Comments:

Labeled by:

KAB

Witness:

AW

Cooler Inspected by:

KAB

Form Y-003 R-02

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

**Apex Laboratories, LLC**

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

Friday, June 28, 2024

Tucker Brown  
Anderson Environmental Contracting  
705 Colorado St  
Kelso, WA 98626

RE: A4F1355 - Boardman, OR - 24-4025

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 A4F1355, which was received by the laboratory on 6/19/2024 at 12:38:00PM.

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		
<u>Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.</u>		
(See Cooler Receipt Form for details)		
Default Cooler	3.7	degC

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.



Apex Laboratories

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Darrell Auvil, Client Services Manager

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Anderson Environmental Contracting**705 Colorado St  
Kelso, WA 98626Project: **Boardman, OR**Project Number: **24-4025**Project Manager: **Tucker Brown****Report ID:****A4F1355 - 06 28 24 1209****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Location 1 #1	A4F1355-01	Soil	06/18/24 08:15	06/19/24 12:38
Location 1 #2	A4F1355-02	Soil	06/18/24 08:25	06/19/24 12:38
Location #2 1	A4F1355-03	Soil	06/18/24 09:00	06/19/24 12:38
Location #2 2	A4F1355-04	Soil	06/18/24 09:15	06/19/24 12:38
Location #3 1	A4F1355-05	Soil	06/18/24 10:00	06/19/24 12:38
Location #3 2	A4F1355-06	Soil	06/18/24 10:15	06/19/24 12:38
Location #4 1	A4F1355-07	Soil	06/18/24 12:00	06/19/24 12:38
Location #4 2	A4F1355-08	Soil	06/18/24 12:30	06/19/24 12:38
Location #5 1	A4F1355-09	Soil	06/18/24 13:15	06/19/24 12:38
Location #5 2	A4F1355-10	Soil	06/18/24 13:45	06/19/24 12:38

Apex Laboratories

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Darrell Auvil, Client Services Manager



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Anderson Environmental Contracting**

705 Colorado St

Kelso, WA 98626

Project: **Boardman, OR**Project Number: **24-4025**Project Manager: **Tucker Brown****Report ID:****A4F1355 - 06 28 24 1209**

## ANALYTICAL SAMPLE RESULTS

## Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>Location 1 #1 (A4F1355-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	18.9	mg/kg dry	1	06/21/24 02:36	NWTPH-HCID	
Diesel Range Organics	ND	---	47.2	mg/kg dry	1	06/21/24 02:36	NWTPH-HCID	
Oil Range Organics	ND	---	94.5	mg/kg dry	1	06/21/24 02:36	NWTPH-HCID	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	93 %	<i>Limits: 50-150 %</i>	1	06/21/24 02:36	NWTPH-HCID	
<i>4-Bromofluorobenzene (Surr)</i>			95 %	<i>50-150 %</i>	1	06/21/24 02:36	NWTPH-HCID	
<b>Location 1 #2 (A4F1355-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	19.2	mg/kg dry	1	06/21/24 02:13	NWTPH-HCID	
Diesel Range Organics	ND	---	47.9	mg/kg dry	1	06/21/24 02:13	NWTPH-HCID	
Oil Range Organics	ND	---	95.9	mg/kg dry	1	06/21/24 02:13	NWTPH-HCID	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	89 %	<i>Limits: 50-150 %</i>	1	06/21/24 02:13	NWTPH-HCID	
<i>4-Bromofluorobenzene (Surr)</i>			91 %	<i>50-150 %</i>	1	06/21/24 02:13	NWTPH-HCID	
<b>Location #2 1 (A4F1355-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	20.0	mg/kg dry	1	06/21/24 03:00	NWTPH-HCID	
Diesel Range Organics	ND	---	50.0	mg/kg dry	1	06/21/24 03:00	NWTPH-HCID	
Oil Range Organics	ND	---	100	mg/kg dry	1	06/21/24 03:00	NWTPH-HCID	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	90 %	<i>Limits: 50-150 %</i>	1	06/21/24 03:00	NWTPH-HCID	
<i>4-Bromofluorobenzene (Surr)</i>			92 %	<i>50-150 %</i>	1	06/21/24 03:00	NWTPH-HCID	
<b>Location #2 2 (A4F1355-04)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	20.0	mg/kg dry	1	06/21/24 01:26	NWTPH-HCID	
Diesel Range Organics	ND	---	50.1	mg/kg dry	1	06/21/24 01:26	NWTPH-HCID	
Oil Range Organics	ND	---	100	mg/kg dry	1	06/21/24 01:26	NWTPH-HCID	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	89 %	<i>Limits: 50-150 %</i>	1	06/21/24 01:26	NWTPH-HCID	
<i>4-Bromofluorobenzene (Surr)</i>			90 %	<i>50-150 %</i>	1	06/21/24 01:26	NWTPH-HCID	
<b>Location #3 1 (A4F1355-05)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	19.4	mg/kg dry	1	06/21/24 04:10	NWTPH-HCID	
Diesel Range Organics	ND	---	48.4	mg/kg dry	1	06/21/24 04:10	NWTPH-HCID	
Oil Range Organics	ND	---	96.8	mg/kg dry	1	06/21/24 04:10	NWTPH-HCID	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	89 %	<i>Limits: 50-150 %</i>	1	06/21/24 04:10	NWTPH-HCID	
<i>4-Bromofluorobenzene (Surr)</i>			91 %	<i>50-150 %</i>	1	06/21/24 04:10	NWTPH-HCID	
<b>Location #3 2 (A4F1355-06)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		

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: OR100062Anderson Environmental Contracting  
705 Colorado St  
Kelso, WA 98626Project: Boardman, OR  
Project Number: 24-4025  
Project Manager: Tucker BrownReport ID:  
A4F1355 - 06 28 24 1209

## ANALYTICAL SAMPLE RESULTS

## Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>Location #3 2 (A4F1355-06)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	19.3	mg/kg dry	1	06/21/24 03:23	NWTPH-HCID	
Diesel Range Organics	ND	---	48.3	mg/kg dry	1	06/21/24 03:23	NWTPH-HCID	
Oil Range Organics	ND	---	96.5	mg/kg dry	1	06/21/24 03:23	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery:	90 %	Limits: 50-150 %	1	06/21/24 03:23	NWTPH-HCID	
4-Bromofluorobenzene (Surr)			92 %	50-150 %	1	06/21/24 03:23	NWTPH-HCID	
<b>Location #4 1 (A4F1355-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	20.1	mg/kg dry	1	06/21/24 01:02	NWTPH-HCID	
Diesel Range Organics	ND	---	50.3	mg/kg dry	1	06/21/24 01:02	NWTPH-HCID	
Oil Range Organics	ND	---	101	mg/kg dry	1	06/21/24 01:02	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery:	92 %	Limits: 50-150 %	1	06/21/24 01:02	NWTPH-HCID	
4-Bromofluorobenzene (Surr)			93 %	50-150 %	1	06/21/24 01:02	NWTPH-HCID	
<b>Location #4 2 (A4F1355-08)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	19.7	mg/kg dry	1	06/21/24 01:49	NWTPH-HCID	
Diesel Range Organics	ND	---	49.1	mg/kg dry	1	06/21/24 01:49	NWTPH-HCID	
Oil Range Organics	ND	---	98.3	mg/kg dry	1	06/21/24 01:49	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery:	89 %	Limits: 50-150 %	1	06/21/24 01:49	NWTPH-HCID	
4-Bromofluorobenzene (Surr)			92 %	50-150 %	1	06/21/24 01:49	NWTPH-HCID	
<b>Location #5 1 (A4F1355-09)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	20.6	mg/kg dry	1	06/21/24 04:34	NWTPH-HCID	
Diesel Range Organics	ND	---	51.4	mg/kg dry	1	06/21/24 04:34	NWTPH-HCID	
Oil Range Organics	DET	---	103	mg/kg dry	1	06/21/24 04:34	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery:	89 %	Limits: 50-150 %	1	06/21/24 04:34	NWTPH-HCID	
4-Bromofluorobenzene (Surr)			92 %	50-150 %	1	06/21/24 04:34	NWTPH-HCID	
<b>Location #5 2 (A4F1355-10)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0697</b>		
Gasoline Range Organics	ND	---	20.3	mg/kg dry	1	06/21/24 03:47	NWTPH-HCID	
Diesel Range Organics	ND	---	50.7	mg/kg dry	1	06/21/24 03:47	NWTPH-HCID	
Oil Range Organics	ND	---	101	mg/kg dry	1	06/21/24 03:47	NWTPH-HCID	
Surrogate: o-Terphenyl (Surr)		Recovery:	92 %	Limits: 50-150 %	1	06/21/24 03:47	NWTPH-HCID	
4-Bromofluorobenzene (Surr)			93 %	50-150 %	1	06/21/24 03:47	NWTPH-HCID	

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

Anderson Environmental Contracting

705 Colorado St

Kelso, WA 98626

Project: Boardman, OR

Project Number: **24-4025**

Project Manager: **Tucker Brown**

Report ID:

**A4F1355 - 06 28 24 1209**

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>Location #5 1 (A4F1355-09)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0866</b>		
Diesel	ND	---	18.4	mg/kg dry	1	06/26/24 11:14	NWTPH-Dx	
Oil	<b>113</b>	---	36.7	mg/kg dry	1	06/26/24 11:14	NWTPH-Dx	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>06/26/24 11:14</i>	<i>NWTPH-Dx</i>	

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**Anderson Environmental Contracting**  
705 Colorado St  
Kelso, WA 98626Project: **Boardman, OR**  
Project Number: **24-4025**  
Project Manager: **Tucker Brown****Report ID:**  
**A4F1355 - 06 28 24 1209****ANALYTICAL SAMPLE RESULTS****Percent Dry Weight**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>Location 1 #1 (A4F1355-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.6	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location 1 #2 (A4F1355-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.5	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #2 1 (A4F1355-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.0	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #2 2 (A4F1355-04)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.4	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #3 1 (A4F1355-05)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.3	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #3 2 (A4F1355-06)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.9	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #4 1 (A4F1355-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.6	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #4 2 (A4F1355-08)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.6	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #5 1 (A4F1355-09)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	96.9	---	1.00	%	1	06/21/24 06:49	EPA 8000D	
<b>Location #5 2 (A4F1355-10)</b>				<b>Matrix: Soil</b>		<b>Batch: 24F0685</b>		
% Solids	97.4	---	1.00	%	1	06/21/24 06:49	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**Anderson Environmental Contracting**  
705 Colorado St  
Kelso, WA 98626Project: **Boardman, OR**  
Project Number: **24-4025**  
Project Manager: **Tucker Brown****Report ID:**  
**A4F1355 - 06 28 24 1209**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24F0697 - EPA 3546 (Fuels)						Soil						
Blank (24F0697-BLK1)		Prepared: 06/20/24 11:33   Analyzed: 06/20/24 20:44										
NWTPH-HCID												
Gasoline Range Organics	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Diesel Range Organics	ND	---	50.0	mg/kg wet	1	---	---	---	---	---	---	
Oil Range Organics	ND	---	100	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		89 %		50-150 %		"						

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

Apex Laboratories

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705 Colorado St  
Kelso, WA 98626Project: Boardman, OR  
Project Number: 24-4025  
Project Manager: Tucker BrownReport ID:  
A4F1355 - 06 28 24 1209

## 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 24F0866 - EPA 3546 (Fuels)						Soil						
Blank (24F0866-BLK1)		Prepared: 06/26/24 08:02    Analyzed: 06/26/24 11:14										
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %		Dilution: 1x						
LCS (24F0866-BS1)		Prepared: 06/26/24 08:02    Analyzed: 06/26/24 11:35										
NWTPH-Dx												
Diesel	115	---	20.0	mg/kg wet	1	125	---	92	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 93 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24F0866-DUP1)		Prepared: 06/26/24 08:02    Analyzed: 06/26/24 11:35										
QC Source Sample: Location #5 1 (A4F1355-09)												
NWTPH-Dx												
Diesel	ND	---	18.7	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	116	---	37.4	mg/kg dry	1	---	113	---	---	3	30%	
Surr: o-Terphenyl (Surr)		Recovery: 85 %		Limits: 50-150 %		Dilution: 1x						

Apex Laboratories

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Project Number: **24-4025**

Project Manager: **Tucker Brown**

Report ID:

**A4F1355 - 06 28 24 1209**

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 24F0685 - Total Solids (Dry Weight) - 2022**

**Soil**

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

Apex Laboratories

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
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705 Colorado St  
Kelso, WA 98626Project: **Boardman, OR**  
Project Number: **24-4025**  
Project Manager: **Tucker Brown****Report ID:**  
**A4F1355 - 06 28 24 1209****SAMPLE PREPARATION INFORMATION****Hydrocarbon Identification Screen by NWTPH-HCID****Prep: EPA 3546 (Fuels)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 24F0697</b>							
A4F1355-01	Soil	NWTPH-HCID	06/18/24 08:15	06/20/24 11:33	10.85g/10mL	10g/10mL	0.92
A4F1355-02	Soil	NWTPH-HCID	06/18/24 08:25	06/20/24 11:33	10.69g/10mL	10g/10mL	0.94
A4F1355-03	Soil	NWTPH-HCID	06/18/24 09:00	06/20/24 11:33	10.3g/10mL	10g/10mL	0.97
A4F1355-04	Soil	NWTPH-HCID	06/18/24 09:15	06/20/24 11:33	10.25g/10mL	10g/10mL	0.98
A4F1355-05	Soil	NWTPH-HCID	06/18/24 10:00	06/20/24 11:33	10.61g/10mL	10g/10mL	0.94
A4F1355-06	Soil	NWTPH-HCID	06/18/24 10:15	06/20/24 11:33	10.58g/10mL	10g/10mL	0.95
A4F1355-07	Soil	NWTPH-HCID	06/18/24 12:00	06/20/24 11:33	10.19g/10mL	10g/10mL	0.98
A4F1355-08	Soil	NWTPH-HCID	06/18/24 12:30	06/20/24 11:33	10.43g/10mL	10g/10mL	0.96
A4F1355-09	Soil	NWTPH-HCID	06/18/24 13:15	06/20/24 11:33	10.04g/10mL	10g/10mL	1.00
A4F1355-10	Soil	NWTPH-HCID	06/18/24 13:45	06/20/24 11:33	10.12g/10mL	10g/10mL	0.99

**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
<b>Batch: 24F0866</b>							
A4F1355-09	Soil	NWTPH-Dx	06/18/24 13:15	06/26/24 08:02	11.24g/5mL	10g/5mL	0.89

**Percent Dry Weight****Prep: Total Solids (Dry Weight) - 2022**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 24F0685</b>							
A4F1355-01	Soil	EPA 8000D	06/18/24 08:15	06/20/24 08:33			NA
A4F1355-02	Soil	EPA 8000D	06/18/24 08:25	06/20/24 08:33			NA
A4F1355-03	Soil	EPA 8000D	06/18/24 09:00	06/20/24 08:33			NA
A4F1355-04	Soil	EPA 8000D	06/18/24 09:15	06/20/24 08:33			NA
A4F1355-05	Soil	EPA 8000D	06/18/24 10:00	06/20/24 08:33			NA
A4F1355-06	Soil	EPA 8000D	06/18/24 10:15	06/20/24 08:33			NA
A4F1355-07	Soil	EPA 8000D	06/18/24 12:00	06/20/24 08:33			NA
A4F1355-08	Soil	EPA 8000D	06/18/24 12:30	06/20/24 08:33			NA
A4F1355-09	Soil	EPA 8000D	06/18/24 13:15	06/20/24 08:33			NA
A4F1355-10	Soil	EPA 8000D	06/18/24 13:45	06/20/24 08:33			NA

Apex Laboratories

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Darrell Auvil, Client Services Manager

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ANALYTICAL REPORT

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705 Colorado St  
Kelso, WA 98626

Project: Boardman, OR

Project Number: 24-4025

Project Manager: Tucker Brown

Report ID:

A4F1355 - 06 28 24 1209

QUALIFIER DEFINITIONS

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

*There are No Qualifiers on Sample or QC Data for this report*

Apex Laboratories

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## ANALYTICAL REPORT

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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 one half of the Reporting Limit (RL).  
Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.  
-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.

Apex Laboratories

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Darrell Auvil, Client Services Manager



## ANALYTICAL REPORT

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Project Number: **24-4025**

Project Manager: **Tucker Brown**

**Report ID:**

**A4F1355 - 06 28 24 1209**

### 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.

**Benzofluoranthene Isomer Reporting:**

Due to coelutions present on the analytical column, the results reported for Benzo(b+j)fluoranthene(s) represent the concentration of both the Benzo(b)fluoranthene and Benzo(j)fluoranthene isomers. Calibration, validation and accreditation are based on the Benzo(b)fluoranthene isomer.

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**A4F1355 - 06 28 24 1209**

### 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
--------	----------	--------	---------	--------	---------------

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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A4F1355 - 06 28 24 1209

APEX LABS 6700 SW Sandburg St., Tigard, OR 97223 PH: 503-718-2323		CHAIN OF CUSTODY		Lab # A4F1355 coc of *REVISED*	
Company: AEC	Project Mgr: Tucker Brown	Project Name: Boardman OR	Project #: 24-4025	PO # 24-4025	
Address: 705 Colorado St Kelso	Phone: 360-749-1414	Result:			
Sampled by: Isaac White					
Site Location:					
State: OR					
County: Marion					
SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	(NWTPE-HCID)
Location #1	6-18-2015	0805		1	✓
#2	6-18-2015	0825		1	✓
Location #2 1	6-18-2015	0900		1	✓
2	6-18-2015	0915		1	✓
Location #3 1	6-18-2015	1000		1	✓
2	6-18-2015	1015		1	✓
Location #4 1	6-18-2015	12:00		1	✓
2	6-18-2015	12:30		1	✓
Location #5 1	6-18-2015	1315		1	✓
SPECIAL INSTRUCTIONS:					
Sample Turn Around Time (TAT) = 10 Business Days					
TAT Requested (circle) 1 Day 2 Day 3 Day Other: _____					
SAMPLES ARE HELD FOR 30 DAYS					
RELINQUISHED BY: Signature: <i>Chen</i>	DATE: 6-19-24	SIGNATURE: <i>Chen</i>	DATE: 6/19/24	RELINQUISHED BY: Signature: _____	DATE: _____
Printed Name: Isaac White	Time: 1238	Printed Name: _____	Time: 1238	Printed Name: _____	Time: _____
Company: AEC	Company: Apex	Company: _____	Company: _____	Company: _____	Company: _____

Form Y-002 R-00

Apex Laboratories

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Kelso, WA 98626

Project: **Boardman, OR**Project Number: **24-4025**Project Manager: **Tucker Brown****Report ID:****A4F1355 - 06 28 24 1209****APEX LABS COOLER RECEIPT FORM**Client: AEC Element WO#: A4F1355Project/Project #: Boardman, OR / 24-4025**Delivery Info:**Date/time received: 6/19/24 @ 1238 By: KRSDelivered by: Apex Client ☒ ESS FedEx UPS Radio Morgan SDS Evergreen OtherFrom USDA Regulated Origin? Yes No ☒**Cooler Inspection** Date/time inspected: 6/19/24 @ 1238 By: KRSChain of Custody included? Yes ☒ NoSigned/dated by client? Yes ☒ No ☒Contains USDA Reg. Soils? Yes ☒ No ☒ Unsure (email RegSoils)

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>3.7</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition (In/Out):	<u>In</u>						

Cooler out of temp? (Y/N) Possible reason why:

Green dots applied to out of temperature samples? Yes ☒ NoOut of temperature samples form initiated? Yes ☒ No**Sample Inspection:** Date/time inspected: 6/19/24 @ 1311 By: KABAll samples intact? Yes ☒ No Comments:Bottle labels/COCs agree? Yes No ☒ Comments: No D/T on COC or containers. See discrepancy form. container ID's varyCOC/container discrepancies form initiated? Yes ☒ No ☒

Containers/volumes received appropriate for analysis? Yes No Comments:

Do VOA vials have visible headspace? Yes No NA ☒

Comments:

Water samples: pH checked: Yes No NA ☒ pH appropriate? Yes No NA ☒ pH ID:

Comments:

Labeled by: KABWitness: ABWCooler Inspected by: KAB

Form Y-003 R-02

Apex Laboratories

Darrell Auvel, Client Services Manager

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## Bill of Sale for 5 6K gallon tanks

I, Jacob Howe, Employee of Anderson Environmental  
Contracting am releasing possession of five (5) UST's, all  
6,000 gallon tanks to T&J Recycling on April 14<sup>th</sup>,  
2024 for a total of \$5.00.

Site address of Tank origin - 1005 Main St, Beaverton, OR  
97006

Seller x Jacob Howe  
date x 4/14/24

Buyer x T&J Recycling  
date x 4/14/24



**Oil Re-Refining Company, Inc.**

**Bill To**

Anderson Environmental Contracting, LLC  
705 Colorado St  
Kelso, WA 98626-5506

Option	P.O. Number	Terms
Email - see notes		30 Days Net

Item Code	Description
Truck Wash Out	Truck Wash Out
XRF Analysis T...	XRF Analysis Testing In House
Wastewater (fue...	For recycling, CDT test:
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:

RECEIVED APR 15 2024

Invoice

Date	Invoice #
4/4/2024	464255

Ship To
Job#23-4078

Resell Expires	12/31/2017
----------------	------------

Due Date	Ship Date	Bill of Lading	Account #
5/4/2024	4/3/2024	R1240403008	9315

U/M	Quantity	Price Each	Amount
Ea	1	60.00	60.00
Ea	1	25.00	25.00
Gal	400	0.50	200.00
Gal	100	2.25	225.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycl

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717  
 Unpaid invoices past 30 days will incur a 1.5% per month finance

24-4025

Job #:	<u>23-4578</u> XXXXXXXXXX	PM:	
GL Code:	<u>5130.40</u>	Approved	<u>TB</u>
Cost Type:	<u>D</u>	Date	
Voucher:			

<b>Total</b>	<b>\$510.00</b>
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<b>Payments/Credits</b>	<b>\$0.00</b>
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<b>Balance Due</b>	<b>\$510.00</b>
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# Oregon

Tina Kotek, Governor

Department of Environmental Quality

Northwest Region

700 NE Multnomah Street, Suite 600

Portland, OR 97232

(503) 229-5263

FAX (503) 229-6945

TTY 711

July 05, 2024

Alex Hattenhauer  
Hattenhauer Distributing Company  
PO Box 1397  
The Dalles, OR 97058-8002

RE: UST Decommissioning Status  
Main St Mini Mart, Boardman  
DEQ UST Facility ID No. 5066

Dear Alex Hattenhauer:

The Department of Environmental Quality (DEQ) has received and reviewed underground storage tank (UST) documents for closure of five decommissioned USTs at facility #5066, the Main St Mini Mart, located at 100 Main St N., in Boardman. The purpose of this letter is to document UST closure as required by Oregon Administrative Rule (OAR) 340-150-0168(10).

Based on DEQ review of the documents received, the work appears to have met the requirements of OAR 340-150-0168 for decommissioning by permanent closure. DEQ has changed the status of the tanks from active to closed, with a decommissioning date of July 3, 2024. DEQ files and database records show tank permits AAGDA, AAGDB, AAGDC, AAGDK, and BFDJG as inactive and decommissioned. The documents received are on file at the DEQ Northwest Region Office in Portland.

**This letter is in no way related to any UST cleanup or other DEQ programs and is not intended to be a no further action letter for those purposes.** The DEQ's determination will not be applicable if new or undisclosed facts show that the UST closure does not comply with the referenced rules.

As the Permittee you are required to maintain records of permanent closure, including the site assessment report and associated documents for three years after the permanent closure checklist and report have been reviewed by the DEQ. If the UST facility is sold within this time period, you must provide these records to the new property owner.

We appreciate your efforts to comply with the prescribed decommissioning rules for underground storage tanks. Should you have any questions, please feel free to contact me at 503-360-4287.

Sincerely,

Dave Pardue  
UST Program Coordinator







UNLINED  
REGULAR















































ADDERN

35M































































## PARDUE Dave \* DEQ

---

**From:** PARDUE Dave \* DEQ  
**Sent:** Thursday, June 13, 2024 3:16 PM  
**To:** 'David Weatherby'  
**Cc:** Tucker Brown  
**Subject:** RE: Plan for sampling soil at the five dispensers - Facility 5066, 100 Main St N Boardman

Hi folks-

This plan is approved.

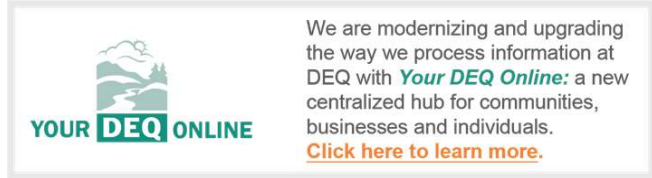
Thanks!

Dave

Dave Pardue  
Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality  
700 NE Multnomah Street, Suite 600  
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503-229-6085  
Pronouns: He/Him/His

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**Sent:** Thursday, June 13, 2024 3:13 PM  
**To:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Cc:** Tucker Brown <TuckerB@aecllc.net>  
**Subject:** Plan for sampling soil at the five dispensers - Facility 5066, 100 Main St N Boardman

Hi Dave,

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- The concrete will be cored at a distance of about 2 feet from the dispenser.
- Using a shop-vac, pea-gravel fill below the concrete will be removed down to native soil, estimated to be at 2 feet depth.
- As the hole is advanced, AEC will insert a PVC pipe into the hole to keep it open.
- A split spoon will be manually driven into native soil to collect a soil sample.
- The shop-vac will be used to advance the hole to nine feet as conditions allow; the pipe will be advanced to keep the hole open.
- A second split spoon will then be driven into native soil to collect a deeper soil sample.

- Soil samples will be submitted to Apex for HCID analysis, with follow-ups pending the results.

Please let me know if this is acceptable.

Thank you.

D.

**DAVID WEATHERBY, RG, LG** | MAUL FOSTER & ALONGI, INC.

Principal Geologist

m. 503 969 9742



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## PARDUE Dave \* DEQ

---

**From:** PARDUE Dave \* DEQ  
**Sent:** Friday, May 24, 2024 12:32 PM  
**To:** LONG Rachel \* DEQ  
**Subject:** FW: Question re: approval of soil for backfill and release reporting  
**Attachments:** A4E1124 FINAL 05 15 24 1145.PDF; 30-93-0268.pdf; 30-99-0013\_NFA\_07-22-2003.pdf

Hi Rachel-

I wanted to touch base with you about the failure to report a release at the Boardman site referenced below. So far I can't find evidence that the release has been reported. I think you should be the driver behind the failure to report the release.

Nor is all the data in yet- AEC/MFA failed to collect site assessment soil samples beneath the 5 dispensers, and now new dispensers have been installed. I am working with them to hopefully resolve the issue.

Please let me know if you would like me to assist or redirect this issue to another person.

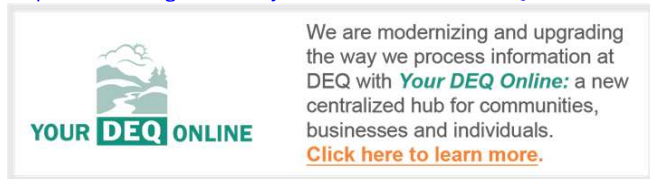
Thanks!

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---

**From:** David Weatherby <dweatherby@maulfoster.com>  
**Sent:** Tuesday, May 21, 2024 2:37 PM  
**To:** LONG Rachel \* DEQ <Rachel.LONG@deq.oregon.gov>  
**Cc:** Unassigned LUST \* DEQ <info.lust@deq.oregon.gov>; PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>; Tucker Brown <TuckerB@aecllc.net>  
**Subject:** Question re: approval of soil for backfill and release reporting

Hi Rachel,

Thank you for talking to me on the phone just now about these two sites:

- Pendleton, Oregon, DEQ facility #8903, AKA Nye Street Shell.

- Boardman, Oregon, DEQ facility #5066, AKA Hattenhauer Boardman Shell

At both sites, Anderson Environmental Contracting removed the USTs, fuel lines, and dispensers. MFA was on site to observe the excavations, excavated soils, and to collect samples for analysis.

### **Pendleton Site**

We would like DEQ approval by the end of this week, if possible, to use the excavated soil (~50 cubic yards) as backfill. We collected a 5-point composite soil sample of the excavated soil stockpile. The lab report is attached.

- Gas detection of 33.2 mg/kg slightly exceeds the DEQ clean fill criterion of 31 mg/kg.
- Diesel detection of 518 mg/kg is less than clean fill criterion of 1,100 mg/kg.
- Oil ND.
- BTEX + naphthalene all ND.
- TCLP benzene ND

We'd hate to have to ship this to a landfill due to the slight (1.2 ppm) gasoline exceedance of the clean fill criterion. The site previously received NFAs from DEQ in July and December, 2003, with site-specific cleanup levels for gasoline of 80 mg/kg and 130 mg/kg. The NFA letters are attached. Since the gas detection of 33.2 mg/kg only slightly exceeds the DEQ clean fill criterion of 31 mg/kg and is much less than the prior site-specific cleanup levels, we would like to use this soil as backfill in the excavation. AEC would like to begin backfilling the excavations next week. There was no groundwater in the excavations. We are wrapping up the 30-day checklist and site assessment report this week and will get that submitted with all the data.

I also understand that any detections of petroleum in confirmation samples triggers the need for 24-hour release reporting. There were detections in the confirmation samples, but they were less than applicable RBCs at a site with known contamination remaining in place, no groundwater in the excavations, and the tanks were in great shape, which is why we did not initially submit the 24-hour notification. But I will do so using my new on-line portal account.

### **Boardman Site**

This work occurred in April, and AEC submit the 30-day report in April. Dave noted that there was no 24-hour release reporting. MFA collected nine confirmation soil samples from the excavations. The results were all ND for HCID except two that had detections for diesel; Dx follow-up for these two samples detected diesel at concentrations an order of magnitude less than the most conservative (residential) RBC for soil exposure. Additionally, there were no indicators of a release: no sheen, odor, or staining in the soil, PID readings of 0.1 to 0.2 parts per million (background, essentially), no groundwater in the excavations, and the tanks looked in great shape. Based on these multiple lines of evidence – results mostly ND or much less than RBCs, no field indicators of contamination, and tanks in great shape – AEC did not notify DEQ within 24 hours of a release.

Based on our conversation, any detection of petroleum, regardless of the concentrations or other lines of evidence, should be considered a release and reported. I will do so through my online account.

Thank you.

D.

**DAVID WEATHERBY, RG, LG** | MAUL FOSTER & ALONGI, INC.

Principal Geologist  
m. 503 969 9742



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## PARDUE Dave \* DEQ

---

**From:** David Weatherby <dweatherby@maulfoster.com>  
**Sent:** Friday, May 24, 2024 12:24 PM  
**To:** PARDUE Dave \* DEQ  
**Subject:** RE: Facility 5066 100 Main St N Boardman

Sorry about that – meant to say more than 5 feet away.

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**To:** David Weatherby <dweatherby@maulfoster.com>  
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**[External Sender - Confirm Sender and Beware of Links and Attachments]**

Hi David-

Your message below said: “more than feet away”. Did you leave out a number? Can you please clarify?

The hydrostatic testing results for the new UDCs are great but do not address whether there was a release from the prior installation.

Data from samples collected and tested must be representative: “directly beneath the dispenser”. It is important they are collected in the correct location because below dispensers is the single most common location for releases.

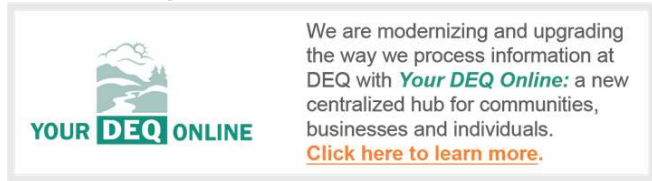
Can you confer with AEC and devise a plan to meet the requirements of the Site Assessment rules?

Regards,

Dave

Dave Pardue  
Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality  
700 NE Multnomah Street, Suite 600  
Portland, OR 97232  
503-229-6085  
Pronouns: He/Him/His

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**From:** David Weatherby <[dweatherby@maulfoster.com](mailto:dweatherby@maulfoster.com)>  
**Sent:** Friday, May 24, 2024 8:36 AM  
**To:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Cc:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Subject:** RE: Facility 5066 100 Main St N Boardman

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**From:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Sent:** Friday, May 24, 2024 8:25 AM  
**To:** David Weatherby <[dweatherby@maulfoster.com](mailto:dweatherby@maulfoster.com)>  
**Subject:** RE: Facility 5066 100 Main St N Boardman

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Hi David-

Soil samples are always required beneath dispensers as part of the decommissioning site assessment requirements (340-150-0180). DEQ cannot approve or register a decommissioning without these lab test results. Additional lines of evidence cannot be accepted as a substitute.

Please submit soil sample test results (NWTPH-HCID plus any appropriate follow-up tests) for each of the 5 dispenser locations.

As a reminder, **1 sample per 100 sq ft** may be tested for pits with multiple tanks removed. Also, **2 soil samples** are required for piping **of 5 to 20 ft** in length, and one for every 20 ft thereafter.

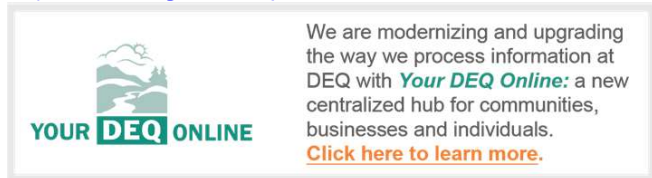
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**Sent:** Monday, May 20, 2024 10:08 AM  
**To:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Subject:** RE: Facility 5066 100 Main St N Boardman

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Let me know if this provides enough lines of evidence of no contamination at the dispenser islands to offset the fact that we did not collect dispenser samples for lab analysis.

Moving forward on these projects, we will always collect dispenser samples, like we did two weeks ago on the AEC Pendleton project.

Thank you.

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**Sent:** Friday, May 17, 2024 9:27 AM  
**To:** David Weatherby <[dweatherby@maulfoster.com](mailto:dweatherby@maulfoster.com)>

Cc: Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>

Subject: Facility 5066 100 Main St N Boardman

Importance: High

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Also- I cannot find any indication the release was ever reported. This is a problem since the work was done over a month ago. **Releases from USTs must be reported to DEQ within 24 hours.** In my estimation it is the responsibility of the prime contractor (AEC) to make sure the release report is submitted. It would also be a good idea to keep me in the loop- the checklist was the first DEQ heard about the detections.

If MFA or AEC has confirmation of release reporting please forward that ASAP.

Thanks,

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Oregon Department of Environmental Quality

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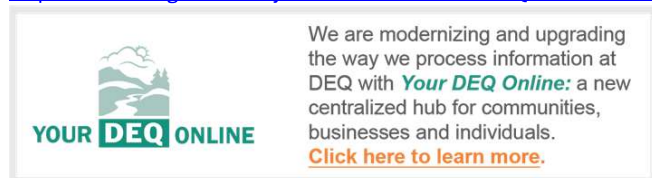
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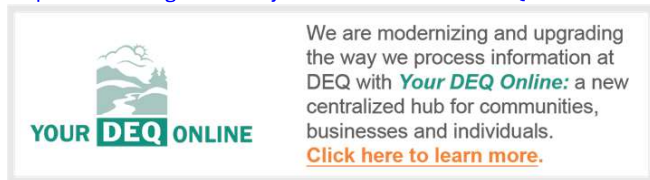
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**Subject:** Facility 5066 100 Main St N Boardman  
**Importance:** High

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## PARDUE Dave \* DEQ

---

**From:** David Weatherby <dweatherby@maulfoster.com>  
**Sent:** Friday, May 24, 2024 8:36 AM  
**To:** PARDUE Dave \* DEQ  
**Cc:** Tucker Brown  
**Subject:** RE: Facility 5066 100 Main St N Boardman

Hi Dave,

I just spoke with Tucker. The new dispensers have been installed, and with the new piping, about the closest we could drill to the old dispenser locations is more than feet away. Tucker said they hydrostatically tested the sumps of the former dispensers and they all passed. He can provide those results to you if that would help. Otherwise, if we need to go back and drill to collect soil samples, the data won't be representative of the original dispenser locations.

D.

**DAVID WEATHERBY, RG, LG** | MAUL FOSTER & ALONGI, INC.  
Principal Geologist  
m. 503 969 9742



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3140 NE Broadway Street, Portland, OR 97232  
[www.maulfooster.com](http://www.maulfooster.com)

---

**From:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Sent:** Friday, May 24, 2024 8:25 AM  
**To:** David Weatherby <dweatherby@maulfoster.com>  
**Subject:** RE: Facility 5066 100 Main St N Boardman

**[External Sender - Confirm Sender and Beware of Links and Attachments]**

Hi David-

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Regards,

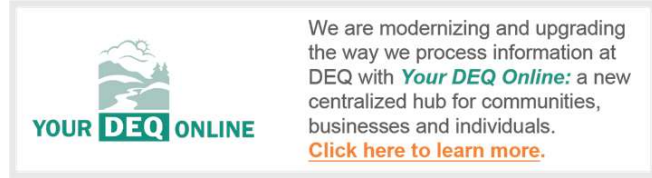
Dave

Dave Pardue

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700 NE Multnomah Street, Suite 600  
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**Sent:** Monday, May 20, 2024 10:08 AM  
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**Subject:** Facility 5066 100 Main St N Boardman  
**Importance:** High

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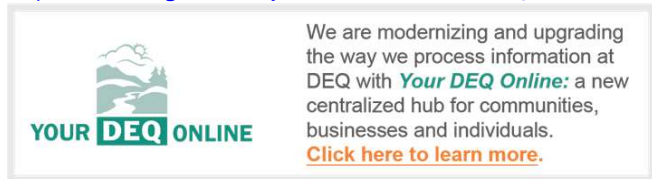
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OK, thank you. I will get a plan together with AEC.  
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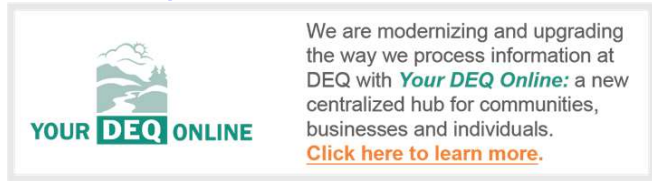
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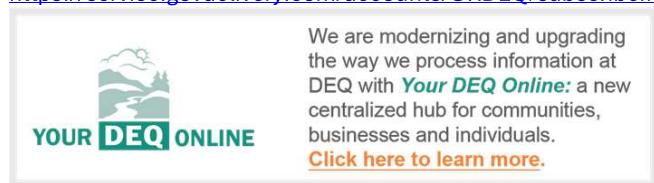
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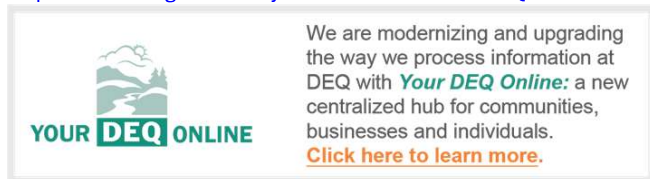
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## PARDUE Dave \* DEQ

---

**From:** DROUIN Mark \* DEQ  
**Sent:** Thursday, May 23, 2024 4:03 PM  
**To:** PARDUE Dave \* DEQ  
**Subject:** RE: Question: Facility 5066 100 Main St N Boardman

I agree – it is spelled out in the rules. One sample under each dispenser.

Should be at least a warning letter....

---

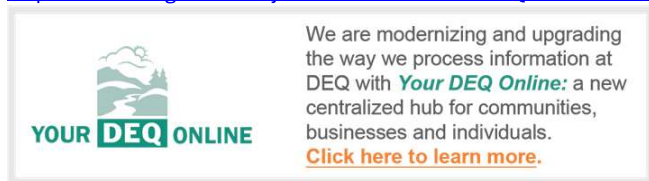
**From:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Sent:** Thursday, May 23, 2024 2:45 PM  
**To:** DROUIN Mark \* DEQ <Mark.DROUIN@deq.oregon.gov>  
**Subject:** Question: Facility 5066 100 Main St N Boardman

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**Attachments:** D1 through D5 photos.pdf; A4D0964 FINAL 04 16 24 1843.PDF

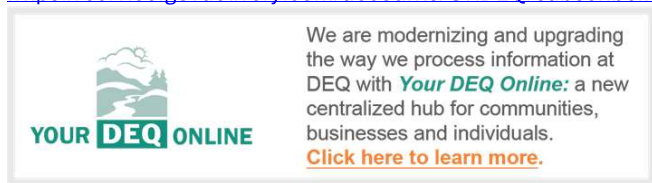
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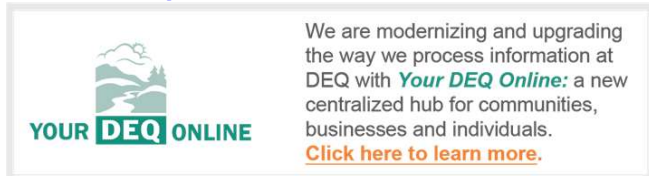
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## **PARDUE Dave \* DEQ**

---

**From:** David Weatherby <dweatherby@maulfoster.com>  
**Sent:** Tuesday, May 21, 2024 2:37 PM  
**To:** LONG Rachel \* DEQ  
**Cc:** Unassigned LUST \* DEQ; PARDUE Dave \* DEQ; Tucker Brown  
**Subject:** Question re: approval of soil for backfill and release reporting  
**Attachments:** A4E1124 FINAL 05 15 24 1145.PDF; 30-93-0268.pdf; 30-99-0013\_NFA\_07-22-2003.pdf

Hi Rachel,

Thank you for talking to me on the phone just now about these two sites:

- Pendleton, Oregon, DEQ facility #8903, AKA Nye Street Shell.
- Boardman, Oregon, DEQ facility #5066, AKA Hattenhauer Boardman Shell

At both sites, Anderson Environmental Contracting removed the USTs, fuel lines, and dispensers. MFA was on site to observe the excavations, excavated soils, and to collect samples for analysis.

### **Pendleton Site**

We would like DEQ approval by the end of this week, if possible, to use the excavated soil (~50 cubic yards) as backfill. We collected a 5-point composite soil sample of the excavated soil stockpile. The lab report is attached.

- Gas detection of 33.2 mg/kg slightly exceeds the DEQ clean fill criterion of 31 mg/kg.
- Diesel detection of 518 mg/kg is less than clean fill criterion of 1,100 mg/kg.
- Oil ND.
- BTEX + naphthalene all ND.
- TCLP benzene ND

We'd hate to have to ship this to a landfill due to the slight (1.2 ppm) gasoline exceedance of the clean fill criterion. The site previously received NFAs from DEQ in July and December, 2003, with site-specific cleanup levels for gasoline of 80 mg/kg and 130 mg/kg. The NFA letters are attached. Since the gas detection of 33.2 mg/kg only slightly exceeds the DEQ clean fill criterion of 31 mg/kg and is much less than the prior site-specific cleanup levels, we would like to use this soil as backfill in the excavation. AEC would like to begin backfilling the excavations next week. There was no groundwater in the excavations. We are wrapping up the 30-day checklist and site assessment report this week and will get that submitted with all the data.

I also understand that any detections of petroleum in confirmation samples triggers the need for 24-hour release reporting. There were detections in the confirmation samples, but they were less than applicable RBCs at a site with known contamination remaining in place, no groundwater in the excavations, and the tanks were in great shape, which is why we did not initially submit the 24-hour notification. But I will do so using my new on-line portal account.

### **Boardman Site**

This work occurred in April, and AEC submit the 30-day report in April. Dave noted that there was no 24-hour release reporting. MFA collected nine confirmation soil samples from the excavations. The results were all ND for HCID except two that had detections for diesel; Dx follow-up for these two samples detected diesel at concentrations an order of magnitude less than the most conservative (residential) RBC for soil exposure. Additionally, there were no indicators of a release: no sheen, odor, or staining in the soil, PID readings of 0.1 to 0.2 parts per million (background, essentially), no groundwater in the excavations, and the tanks looked in great

shape. Based on these multiple lines of evidence – results mostly ND or much less than RBCs, no field indicators of contamination, and tanks in great shape – AEC did not notify DEQ within 24 hours of a release.

Based on our conversation, any detection of petroleum, regardless of the concentrations or other lines of evidence, should be considered a release and reported. I will do so through my online account.

Thank you.

D.

**DAVID WEATHERBY, RG, LG** | MAUL FOSTER & ALONGI, INC.

Principal Geologist  
m. 503 969 9742



3140 NE Broadway Street, Portland, OR 97232  
[www.maulfooster.com](http://www.maulfooster.com)

## PARDUE Dave \* DEQ

---

**From:** David Weatherby <dweatherby@maulfoster.com>  
**Sent:** Monday, May 20, 2024 10:08 AM  
**To:** PARDUE Dave \* DEQ  
**Subject:** RE: Facility 5066 100 Main St N Boardman  
**Attachments:** D1 through D5 photos.pdf; A4D0964 FINAL 04 16 24 1843.PDF

Hi Dave,

As we discussed on the phone just now, we did not collect soil samples from under the dispensers. But attached are the photos of the soil under the dispensers that we observed and sampled for PID headspace readings. The readings are above each photo – all 0.3 ppm or less. Soils at the site consisted of brown aeolian sand. We saw no indicators of contamination (no odor, sheen, staining) in any of the excavations (tank, fuel line, and dispenser excavations). The lab report is attached. HCID results were mostly ND, with two detections from the tank excavation and fuel line; diesel follow-ups were way less than the RBCs. The excavated soil (the “SP” samples in the report) was ND for Gx, Dx, BTEX+N and TCLP benzene.

Let me know if this provides enough lines of evidence of no contamination at the dispenser islands to offset the fact that we did not collect dispenser samples for lab analysis.

Moving forward on these projects, we will always collect dispenser samples, like we did two weeks ago on the AEC Pendleton project.

Thank you.

D.

**DAVID WEATHERBY, RG, LG** | MAUL FOSTER & ALONGI, INC.  
Principal Geologist  
m. 503 969 9742



MAUL FOSTER ALONGI

3140 NE Broadway Street, Portland, OR 97232  
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---

**From:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Sent:** Friday, May 17, 2024 9:27 AM  
**To:** David Weatherby <dweatherby@maulfoster.com>  
**Cc:** Tucker Brown <TuckerB@aecllc.net>  
**Subject:** Facility 5066 100 Main St N Boardman  
**Importance:** High

**[External Sender - Confirm Sender and Beware of Links and Attachments]**

Hi David-

I have a question: do you have lab test results for the soil samples collected below the dispensers? I am going to guess they would be labeled DI1 through DI4, collected 4/3 or 4/4. They are depicted on the site sketch, but are not on the COC. I cannot close out the decommissioning without these test results. Please send to me ASAP.

Also- I cannot find any indication the release was ever reported. This is a problem since the work was done over a month ago. **Releases from USTs must be reported to DEQ within 24 hours.** In my estimation it is the responsibility of the prime contractor (AEC) to make sure the release report is submitted. It would also be a good idea to keep me in the loop- the checklist was the first DEQ heard about the detections.

If MFA or AEC has confirmation of release reporting please forward that ASAP.

Thanks,

Dave

Dave Pardue

Underground Storage Tank Program Coordinator

Oregon Department of Environmental Quality

700 NE Multnomah Street, Suite 600


Portland, OR 97232

503-229-6085

Pronouns: He/Him/His

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## PARDUE Dave \* DEQ

---

**From:** David Weatherby <dweatherby@maulfoster.com>  
**Sent:** Monday, May 20, 2024 9:27 AM  
**To:** PARDUE Dave \* DEQ  
**Subject:** RE: Facility 5066 100 Main St N Boardman

Hi Dave, can you give me a call to discuss this?  
Thanks!

**DAVID WEATHERBY, RG, LG** | MAUL FOSTER & ALONGI, INC.  
Principal Geologist  
m. 503 969 9742



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**To:** David Weatherby <dweatherby@maulfoster.com>  
**Cc:** Tucker Brown <TuckerB@aecllc.net>  
**Subject:** Facility 5066 100 Main St N Boardman  
**Importance:** High

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Oregon Department of Environmental Quality  
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**PARDUE Dave \* DEQ**

---

**From:** David Weatherby <dweatherby@maulfoster.com>  
**Sent:** Friday, May 17, 2024 9:28 AM  
**To:** PARDUE Dave \* DEQ  
**Subject:** Automatic reply: Facility 5066 100 Main St N Boardman

*I am on PTO. If this is urgent, please call my cell at 503-969-9742. I will return to work on Monday, May 20th.*

## PARDUE Dave \* DEQ

---

**From:** PARDUE Dave \* DEQ  
**Sent:** Friday, May 17, 2024 9:27 AM  
**To:** David Weatherby  
**Cc:** Tucker Brown  
**Subject:** Facility 5066 100 Main St N Boardman

**Importance:** High

Hi David-

I have a question: do you have lab test results for the soil samples collected below the dispensers? I am going to guess they would be labeled DI1 through DI4, collected 4/3 or 4/4. They are depicted on the site sketch, but are not on the COC. I cannot close out the decommissioning without these test results. Please send to me ASAP.

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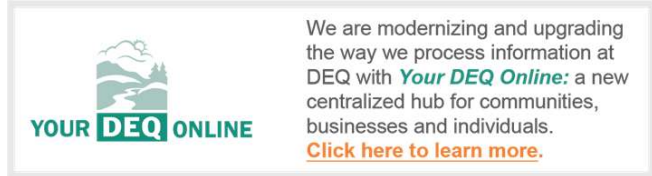
Thanks,

Dave

Dave Pardue  
Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality  
700 NE Multnomah Street, Suite 600  
Portland, OR 97232  
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## **PARDUE Dave \* DEQ**

---

**From:** Tucker Brown <TuckerB@aecllc.net>  
**Sent:** Friday, May 17, 2024 7:26 AM  
**To:** PARDUE Dave \* DEQ  
**Subject:** RE: Fac 5066 in Boardman

Dave,

Please give me a call this morning to discuss.

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

**From:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Date:** 5/16/24 4:55 PM (GMT-08:00)  
**To:** Tucker Brown <TuckerB@aecllc.net>  
**Subject:** RE: Fac 5066 in Boardman

Hi Tucker-

Did you report the release?

Thanks,

Dave

Dave Pardue  
Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality  
700 NE Multnomah Street, Suite 600  
Portland, OR 97232  
503-229-6085  
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---

**From:** Tucker Brown <TuckerB@aecllc.net>  
**Sent:** Monday, April 22, 2024 10:36 AM  
**To:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Cc:** UST Duty Officer \* DEQ <UST.DutyOfficer@DEQ.oregon.gov>; Jill Fowler <jillf@aecllc.net>  
**Subject:** RE: Fac 5066 in Boardman

Dave,

Attached is the decommission checklist for this site, including narrative by Maul Foster and analytical results. Let me know if you need anything else.

Thank you,

**Tucker Brown** | Project Manager  
Anderson Environmental Contracting, LLC  
C: 360.703.1831 | F: 360.577.9198  
[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net) | [www.aecllc.net](http://www.aecllc.net)



---

**From:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Sent:** Monday, April 1, 2024 11:15 AM  
**To:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Subject:** RE: Fac 5066 in Boardman

Hi Tucker-

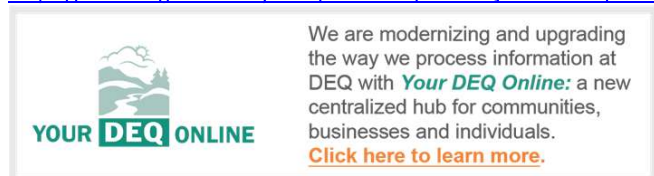
When will you start removing them?

Thanks,

Dave

Dave Pardue  
Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality  
700 NE Multnomah Street, Suite 600  
Portland, OR 97232  
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---

**From:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Sent:** Friday, March 29, 2024 10:19 AM  
**To:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Subject:** RE: Fac 5066 in Boardman

Dave,

Its looking like Wednesday 4-3 we will have the tanks out of the ground

Thank you,

**Tucker Brown** | Project Manager  
Anderson Environmental Contracting, LLC  
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[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net) | [www.aecllc.net](http://www.aecllc.net)



---

**From:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Sent:** Thursday, March 28, 2024 11:08 AM  
**To:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Subject:** Fac 5066 in Boardman

Hi Tucker-

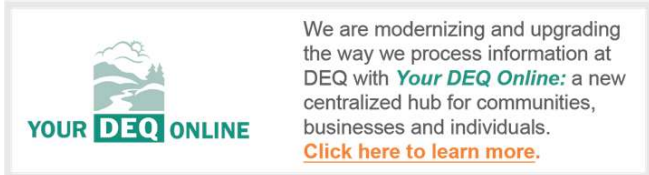
I may be able to come to the tank removal. Could you please keep me posted on your schedule?

Thanks,

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## **PARDUE Dave \* DEQ**

---

**From:** Tucker Brown <TuckerB@aecllc.net>  
**Sent:** Thursday, May 16, 2024 4:59 PM  
**To:** PARDUE Dave \* DEQ  
**Subject:** RE: Fac 5066 in Boardman

Dave,

I'll have to check with our consultant. I left you a voicemail earlier on a separate project however

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

**From:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Date:** 5/16/24 4:55 PM (GMT-08:00)  
**To:** Tucker Brown <TuckerB@aecllc.net>  
**Subject:** RE: Fac 5066 in Boardman

Hi Tucker-

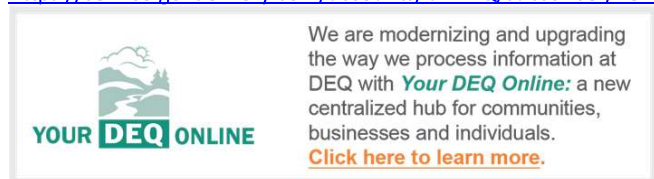
Did you report the release?

Thanks,

Dave

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Oregon Department of Environmental Quality  
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**Sent:** Monday, April 22, 2024 10:36 AM  
**To:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Cc:** UST Duty Officer \* DEQ <UST.DutyOfficer@DEQ.oregon.gov>; Jill Fowler <jillf@aecllc.net>  
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Thank you,

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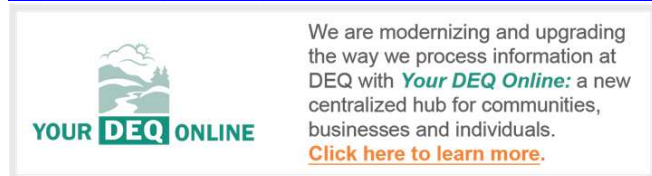
When will you start removing them?

Thanks,

Dave

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Underground Storage Tank Program Coordinator  
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700 NE Multnomah Street, Suite 600  
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**Subject:** RE: Fac 5066 in Boardman

Dave,

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**To:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Subject:** Fac 5066 in Boardman

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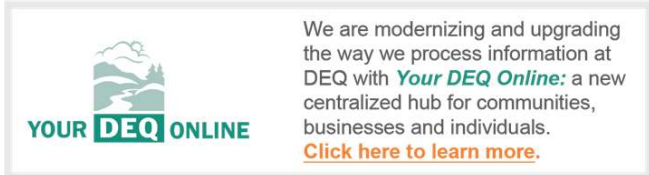
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## PARDUE Dave \* DEQ

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**From:** PARDUE Dave \* DEQ  
**Sent:** Thursday, May 16, 2024 4:55 PM  
**To:** 'Tucker Brown'  
**Subject:** RE: Fac 5066 in Boardman

Hi Tucker-

Did you report the release?

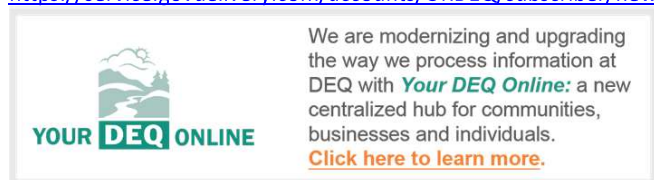
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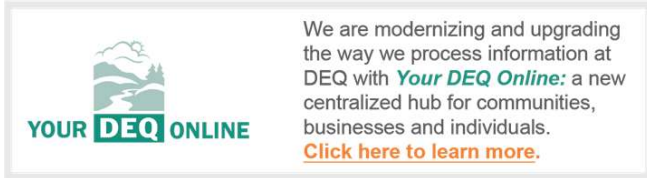
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**Sent:** Friday, March 29, 2024 10:19 AM  
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[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net) | [www.aecllc.net](http://www.aecllc.net)



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**From:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Sent:** Thursday, March 28, 2024 11:08 AM  
**To:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Subject:** Fac 5066 in Boardman

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## PARDUE Dave \* DEQ

---

**From:** PARDUE Dave \* DEQ  
**Sent:** Tuesday, April 23, 2024 4:19 AM  
**To:** Tucker Brown  
**Cc:** UST Duty Officer \* DEQ; Jill Fowler  
**Subject:** Re: Fac 5066 in Boardman

Thanks!

Sent via the Samsung Galaxy XCover Pro, an AT&T 4G LTE smartphone  
Get [Outlook for Android](#)

---

**From:** Tucker Brown <TuckerB@aecllc.net>  
**Sent:** Monday, April 22, 2024 1:36:11 PM  
**To:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Cc:** UST Duty Officer \* DEQ <UST.DutyOfficer@DEQ.oregon.gov>; Jill Fowler <jillf@aecllc.net>  
**Subject:** RE: Fac 5066 in Boardman

Dave,

Attached is the decommission checklist for this site, including narrative by Maul Foster and analytical results. Let me know if you need anything else.

Thank you,

**Tucker Brown** | Project Manager  
Anderson Environmental Contracting, LLC  
C: 360.703.1831 | F: 360.577.9198  
[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net) | [www.aecllc.net](http://www.aecllc.net)



---

**From:** PARDUE Dave \* DEQ <Dave.PARDUE@deq.oregon.gov>  
**Sent:** Monday, April 1, 2024 11:15 AM  
**To:** Tucker Brown <TuckerB@aecllc.net>  
**Subject:** RE: Fac 5066 in Boardman

Hi Tucker-

When will you start removing them?

Thanks,

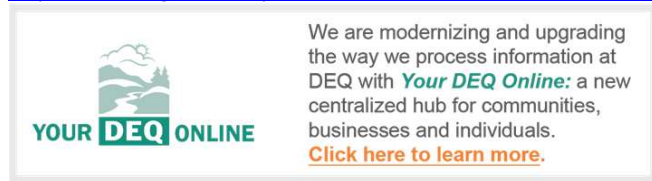
Dave

Dave Pardue  
Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality

700 NE Multnomah Street, Suite 600  
Portland, OR 97232  
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**From:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Sent:** Friday, March 29, 2024 10:19 AM  
**To:** PARDUE Dave \* DEQ <[Dave.PARDUE@deq.oregon.gov](mailto:Dave.PARDUE@deq.oregon.gov)>  
**Subject:** RE: Fac 5066 in Boardman

Dave,

Its looking like Wednesday 4-3 we will have the tanks out of the ground

Thank you,

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---

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**Sent:** Thursday, March 28, 2024 11:08 AM  
**To:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Subject:** Fac 5066 in Boardman

Hi Tucker-

I may be able to come to the tank removal. Could you please keep me posted on your schedule?

Thanks,

Dave

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Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality  
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## **PARDUE Dave \* DEQ**

---

**From:** Tucker Brown <TuckerB@aecllc.net>  
**Sent:** Monday, April 1, 2024 11:16 AM  
**To:** PARDUE Dave \* DEQ  
**Subject:** Automatic reply: Fac 5066 in Boardman

I will be out of the office today with limited access to email  
for immediate assistance please call my cell phone 360-703-1831

## PARDUE Dave \* DEQ

---

**From:** PARDUE Dave \* DEQ  
**Sent:** Monday, April 1, 2024 11:15 AM  
**To:** 'Tucker Brown'  
**Subject:** RE: Fac 5066 in Boardman

Hi Tucker-

When will you start removing them?

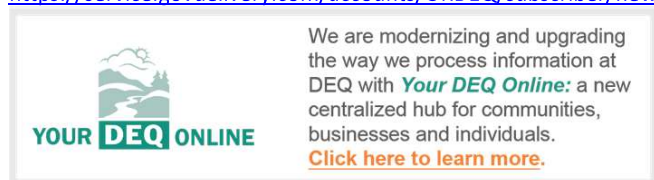
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Dave,

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## **PARDUE Dave \* DEQ**

---

**From:** Oregon DEQ - Do not Reply - Production Server <noreply@deq.oregon.gov>  
**Sent:** Monday, April 1, 2024 11:13 AM  
**To:** GARCIA Andrea \* DEQ; ECKERT Dylan \* DEQ; FOSS Diana \* DEQ; DIMOCK Lauren \* DEQ; GAFFNEY Ingrid \* DEQ; PARDUE Dave \* DEQ; LITKE Emily \* DEQ  
**Subject:** 3 Day Notice for Decommissioning has been approved

A 3 Day Notice for Decommissioning has been approved for:  
Facility: MAIN STREET MINI MART(5066) in MORROW County.  
Approved by: Davidson Pardue  
Work scheduled for: 04/03/2024  
3 Day Confirmation #: 25-3D-24-012  
Comments: 30-day notice waived due to on-going dialog about project per MD 4.1.24. USTS to be removed by 4.3.24

## PARDUE Dave \* DEQ

---

**From:** DROUIN Mark \* DEQ  
**Sent:** Monday, April 1, 2024 11:04 AM  
**To:** PARDUE Dave \* DEQ; ECKERT Dylan \* DEQ  
**Subject:** RE: Facility 5066 boardman sinclair 3 day decommission notice

I don't think we did for this one.

Due to change in contractors and multiple conversations with the permittee and the contractor we can forego the 30-day form for this one facility. We have known about this decommissioning for about a year now and with the confusion of the tanks not being installed properly and the switch in contractors, use this email as approval for the 30-day notice and enter the 3-day as you normally would.

Please enter notes in the 3-day referencing the required site assessment.

Thanks

Mark

---

**From:** PARDUE Dave \* DEQ <Dave.Pardue@deq.oregon.gov>  
**Sent:** Monday, April 1, 2024 9:55 AM  
**To:** ECKERT Dylan \* DEQ <Dylan.ECKERT@deq.oregon.gov>  
**Cc:** DROUIN Mark \* DEQ <Mark.DROUIN@deq.oregon.gov>  
**Subject:** RE: Facility 5066 boardman sinclair 3 day decommission notice

Did anyone see a 30-day notice from Tucker?

Dave Pardue  
Underground Storage Tank Program Coordinator  
Oregon Department of Environmental Quality  
700 NE Multnomah Street, Suite 600  
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---

**From:** ECKERT Dylan \* DEQ <[Dylan.ECKERT@deq.oregon.gov](mailto:Dylan.ECKERT@deq.oregon.gov)>  
**Sent:** Thursday, March 28, 2024 6:41 AM  
**To:** PARDUE Dave \* DEQ <[Dave.Pardue@deq.oregon.gov](mailto:Dave.Pardue@deq.oregon.gov)>  
**Cc:** DROUIN Mark \* DEQ <[Mark.DROUIN@deq.oregon.gov](mailto:Mark.DROUIN@deq.oregon.gov)>  
**Subject:** FW: Facility 5066 boardman sinclair 3 day decommission notice

Please see the email from Tucker. If I'm not mistaken, you are handling decoms.

I'll be reaching out about the finished piping work needed out there.

Thanks.

---

**From:** Tucker Brown <[TuckerB@aecllc.net](mailto:TuckerB@aecllc.net)>  
**Sent:** Tuesday, March 26, 2024 12:48 PM  
**To:** ECKERT Dylan \* DEQ <[Dylan.ECKERT@deq.oregon.gov](mailto:Dylan.ECKERT@deq.oregon.gov)>  
**Cc:** Jill Fowler <[jillf@aecllc.net](mailto:jillf@aecllc.net)>  
**Subject:** Facility 5066 boardman sinclair 3 day decommission notice

You don't often get email from [tuckerb@aecllc.net](mailto:tuckerb@aecllc.net). [Learn why this is important](#)

Dylan,

We are planning on starting the decommission process on Monday 4-1-2024, immediately the only work that will be taking place is removal of dispensers, UDC and piping to facilitate the new installation. The tanks to be decommissioned shortly following this activity. The tanks will continued to be monitored by the existing TLS.

Thank you,

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## PARDUE Dave \* DEQ

---

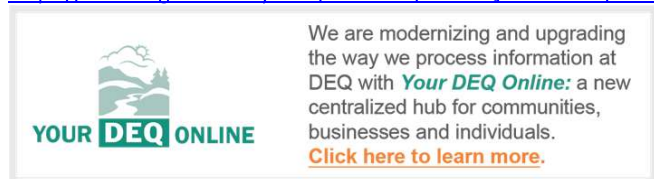
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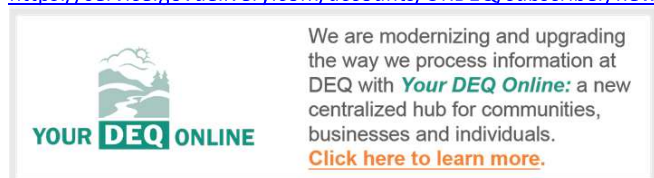
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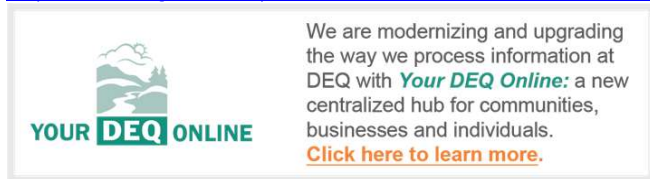
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I'll coordinate with Tucker- thanks!

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