

CLOSURE REPORT

Property:

Trunk C

UL A, S9, T25S, R30E 32.149012° N, 103.881141° W Eddy County, New Mexico NMOCD Incident ID: NAPP2329035104

December 13, 2023 Ensolum Project No. 03B1226316

Prepared for:

Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210

Attn: Thomas Long

Prepared by:

Kelly Lowery Project Geologist

Heather Holthaus Senior Project Manager



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CLOSURE REPORT

Trunk C

Unit A, S9, T25S, R30E 32.149012° N, 103.881141° W Eddy County, New Mexico NMOCD Incident ID: NAPP2329035104

Ensolum Project No. 03B1226316

1.0 INTRODUCTION

1.1 Site Description & Background

| Operator: | Enterprise Field Services, LLC (Enterprise) |
|-------------|---|
| Site Name: | Trunk C |
| Location: | UL A, Section 9, Township 25 South, Range 30 East 32.149012° N, 103.881141° W Eddy County, New Mexico |
| Property: | Bureau of Land Management (BLM) |
| Regulatory: | New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) |

On October 9, 2023, Enterprise discovered natural gas and condensate being released from the Trunk C pipeline, with minimal fluids observed on the ground surface. Repair activities began on October 17, 2023, at which time Enterprise determined the release to be reportable per New Mexico EMNRD OCD regulations based on the volume of impacted subsurface soils. Enterprise reported the release to the New Mexico EMNRD OCD via email on October 17, 2023, followed up with a report through the online notice of release (NOR), and was assigned Incident Number NAPP2329035104 on October 26, 2023. During the release, approximately 350 one-thousand cubic feet (MCF) of natural gas was released to the atmosphere, along with 5 barrels (bbls) of condensate released onto the ground surface, with 0 bbls recovered.

The **Topographic Map** depicting the location of the Site is included as **Figure 1**, and the **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 Project Objective

The primary objective of the closure activities was to reduce chemicals of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to



determine the appropriate closure criteria for the Site. The gas portion of this release constitutes venting that occurred during an emergency or a malfunction, as authorized by the New Mexico OCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**. One exploratory water well was identified southwest of the Site on the USGS database.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole or playa lake.
- The Site is not located within 300 feet from a permanent residence, school, hospital, institution or church.
- According to the USGS database there are no private, domestic freshwater wells used by less than
 five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the USGS database there are no freshwater wells identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is not located within an unstable area, also referred to as high karst.
- The Site is not located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

| | Closure Criteria for Soils Impacted by a Release | | | | | | | | | |
|---|--|-------------------------------------|-----------|--|--|--|--|--|--|--|
| Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS | Constituent | Method | Limit | | | | | | | |
| | Chloride | EPA 300.0 or SM4500 CI B | 600 mg/kg | | | | | | | |
| ≤ 50 feet | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 100 mg/kg | | | | | | | |
| 2 30 leet | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg | | | | | | | |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg | | | | | | | |

3.0 SOIL REMEDIATION ACTIVITIES

On October 9, 2023, Enterprise discovered natural gas and condensate being released from Trunk C pipeline. Approximately 350 MCF of natural gas was released to the atmosphere, along with 5 bbls of condensate released onto the ground surface, with 0 bbls recovered. Following submittal of an emergency New Mexico One-Call (NM-811), corrective action activities were commenced by New Mexico Rental Pipeline, LLC (NMR) utilizing a backhoe to excavate soils from the release area.

On October 19, 2023, Ensolum arrived on-Site to collect eight composite soil samples from the excavation floor and sidewalls (FS01, FS02, SW01, and SW02). The excavation floor soil samples were collected at depths of 7 and 27 feet below ground surface (bgs) respectively, and the excavation sidewall soil samples were collected at depths of 0-7 feet (SW01) and 0-5, 5-10, 10-15, 15-20, 20-25 feet (SW02) bgs. In addition, five delineation soil samples were collected outside of the excavation area (North, South, East, Northwest, Southwest) at a depth of 0.25 feet bgs. Additionally, one composite soil stockpile (SP) sample was collected from the excavated soil stockpile. Based on laboratory analytical data, additional excavation activities were necessary.

On October 26, 2023, Ensolum arrived on-Site to resample one composite soil sample from the excavation floor (FS01) and one composite soil sample from the excavation sidewall (SW01). The excavation floor sample was collected at a depth of 7 feet bgs, and the excavation sidewall sample was collected at a depth of 0-7 feet bgs. Additionally, one delineation soil sample was collected outside of the excavation area (South) at a depth of 0.5 feet bgs. Based on laboratory analytical data, additional excavation activities were necessary.

On November 3, 2023, subsequent to completion of additional excavation activities, Ensolum arrived on-Site to collect one composite soil sample from the excavation floor (FS03), and two composite soil samples from the excavation sidewalls (SW03 and SW04). The excavation floor sample was collected at a depth of 12.5 feet bgs and the excavation sidewall samples were collected at depths of 0-4, 4-8, 8-12 feet bgs. Additionally, one delineation soil sample was collected outside of the excavation area (South) at a depth of 1-foot bgs. Based on laboratory analytical data, no additional excavation or remediation activities were necessary.

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), total BTEX, total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and chloride in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final excavation area measured approximately 27 feet long and 13 feet wide at the maximum extents, with a depth of 7 to 27 feet bgs.

A total of approximately 800 cubic yards of affected soils were excavated from the Site and transported to the Lea Land, LLC facility in Carlsbad, New Mexico. The excavation extent will be backfilled with clean imported fill, contoured to the original surrounding grade, and a BLM approved seed mixture will be sown into the surface area of the backfill for re-vegetation.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation extent with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from October 9, 2023 through November 3, 2023 included the collection of a total of 17 composite soil samples from the excavation floor and sidewalls (FS01 through FS03, and SW01 through SW04), seven delineation soil samples from five locations outside of the excavation area (North, East, South, Northwest, and Southwest), and one composite soil stockpile sample from the excavation soil stockpile (SP) staged on-Site for laboratory analysis.

The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO using EPA SW-846 Method 8015M/D, and chloride using EPA Method 300.0.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the total benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the final composite excavation soil samples (FS01 through FS03, and SW01 through SW04), and the final delineation soil samples (North, East, South, Northwest, and Southwest) for the soils left in place at the Site, and the composite soil stockpile (SP) sample to the NMOCD Closure Criteria.

- Laboratory analytical results indicate total benzene concentrations for the final composite soil samples collected from the excavation area, the final delineation soil samples, and the final composite soil sample collected from the stockpile staged on-Site do not exceed the laboratory SDLs or the NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicate that total BTEX concentrations for the final composite soil samples collected from the excavation area, the final delineation soil samples, and the final composite soil sample collected from the stockpile staged on-Site do not exceed the laboratory SDLs or the NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples collected from the excavation area and the final delineation soil samples do not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentration for the composite soil sample collected from the stockpile staged on-Site exceeds the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicate chloride concentrations for the final composite soil samples
 collected from the excavation area, the final delineation soil samples, and the final composite soil
 sample collected from the stockpile staged on-Site do not exceed the laboratory SDLs and/or the
 NMOCD Closure Criteria of 600 mg/kg.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**.

7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the excavated soils were removed and taken off-Site for proper disposal. The excavation area will be backfilled with clean fill material, and then contoured to the original surrounding grade. Once the areas are brought back to original grade, a BLM approved seed mixture will be sown into the surface of the backfill for re-vegetation.

8.0 FINDINGS AND RECOMMENDATION

- On October 9, 2023, Enterprise discovered natural gas and condensate being released from Trunk
 C pipeline. Approximately 350 MCF of natural gas was released to the atmosphere, along with 5
 bbls of condensate released onto the ground surface, with 0 bbls recovered.
- Following submittal of an emergency NM-811, corrective action activities were commenced by NMR utilizing a backhoe to excavate soils from the release area.
- Between October 19 and November 3, 2023, Ensolum arrived on-Site to collect four composite soil samples from three locations on the excavation floor (FS01 through FS03) and 13 composite soil samples from the excavation sidewalls (SW01 through SW04). The composite floor samples were collected at depths of 7 feet (FS01), 12.5 feet (FS03), and 27 feet (FS02) bgs and the composite sidewall samples were collected at depths of 0-7 feet (SW01), 0-5, 5-10, 10-15, 15-20, 20-25 feet (SW02), and 0-4, 4-8, and 8-12 feet (SW03 and SW04) bgs. Additionally, seven delineation samples were collected at five locations outside of the excavation area (North, East, South, Northwest, and Northeast) at a depth of 0.25 to 1 feet bgs. In addition, one composite soil stockpile sample was collected from the excavated soil stockpile (SP) staged on-Site.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 Releases as guidance.
- The final excavation area measured approximately 27 feet long and 13 feet wide at the maximum extents, with a depth of 7 to 27 feet bgs.
- A total of 17 composite soil samples from the excavation floor and sidewalls (FS01 through FS03, and SW01 through SW04), seven delineation soil samples from locations outside of the excavation area (North, East, South, Northwest, Northeast), and one composite soil stockpile sample from the excavation soil stockpile (SP) staged on-Site were collected for laboratory analysis.
- Based on the laboratory analytical results, the final composite soil samples for the soils left in place
 at the Site collected from the excavation area and the delineation samples outside of the impacted
 area did not exhibit total benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations
 above the applicable NMOCD Closure Criteria.
- Based on the laboratory analytical results, the composite soil samples collected from the soil stockpiles staged on-Site did not exhibit benzene, total BTEX, or chloride concentrations above the applicable NMOCD Closure Criteria; however, a concentration of TPH GRO/DRO/MRO was identified above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the composite soil sampling, the soil stockpile staged on-Site was
 removed and taken off-Site for proper disposal. A total of approximately 800 cubic yards of soils
 were excavated and transported to the Lea Land, LLC facility in Carlsbad, New Mexico. The
 excavation area will be backfilled with clean fill material, contoured to the original surrounding
 grade, and a BLM approved seed mixture will be sown into the surface area of the backfill for revegetation.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings, and recommendations are based solely upon data available to Ensolum at the time of these services.

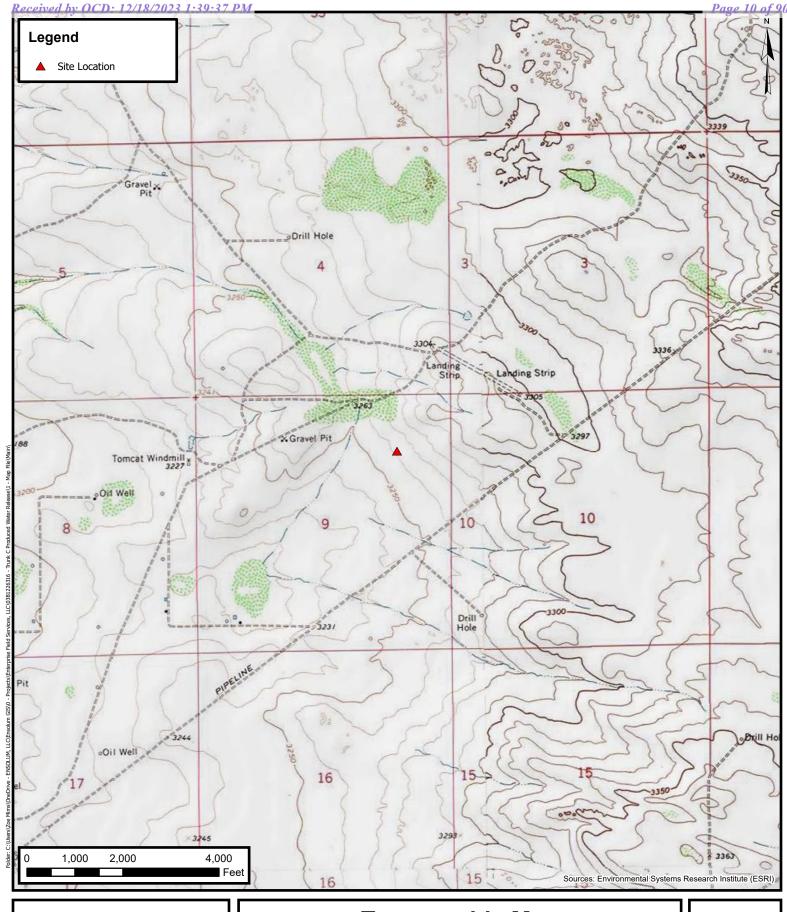
9.3 Reliance

This report has been prepared for the exclusive use of Enterprise Field Services, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Enterprise Field Services, LLC and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures

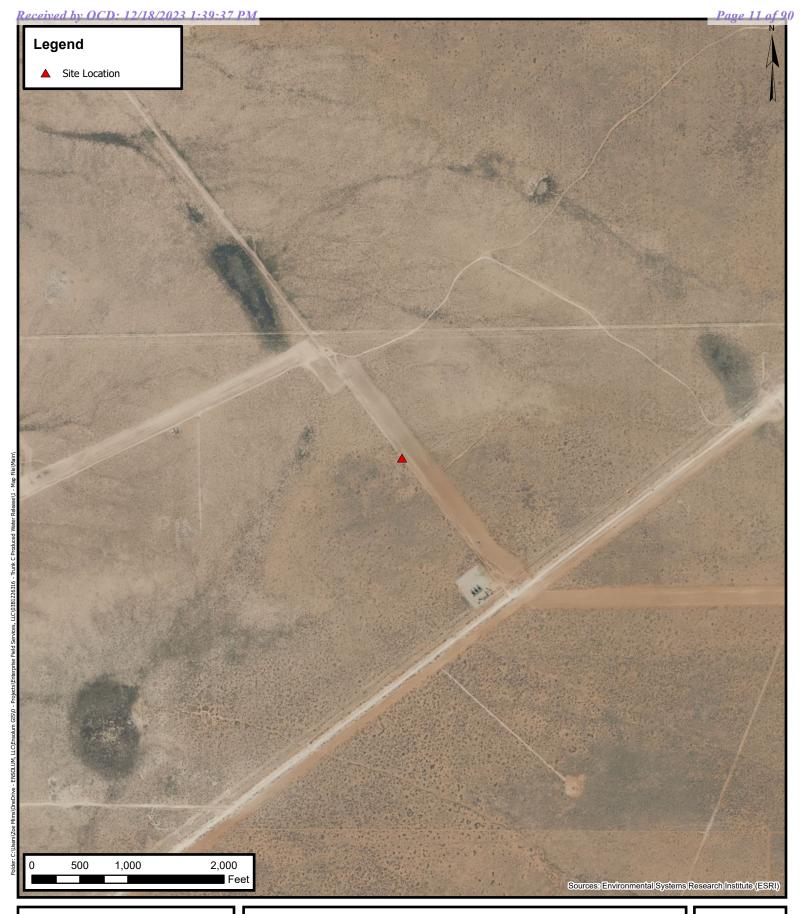




Topographic Map
Enterprise Field Services, LLC
Trunk C
Project Number: 03B1226316 32.149012, -103.881141 Eddy County, New Mexico

FIGURE

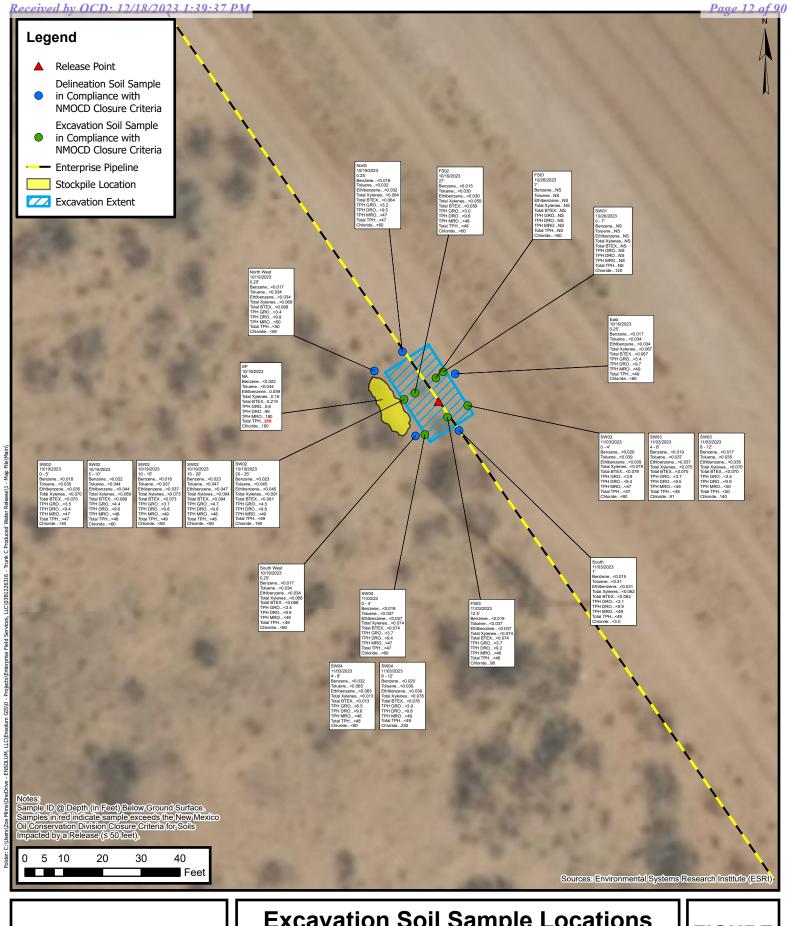
Released to Imaging: 3/25/2024 1:25:08 PM





Site Vicinity Map
Enterprise Field Services, LLC
Trunk C
Project Number: 03B1226316 32.149012, -103.881141 Eddy County, New Mexico

FIGURE 2



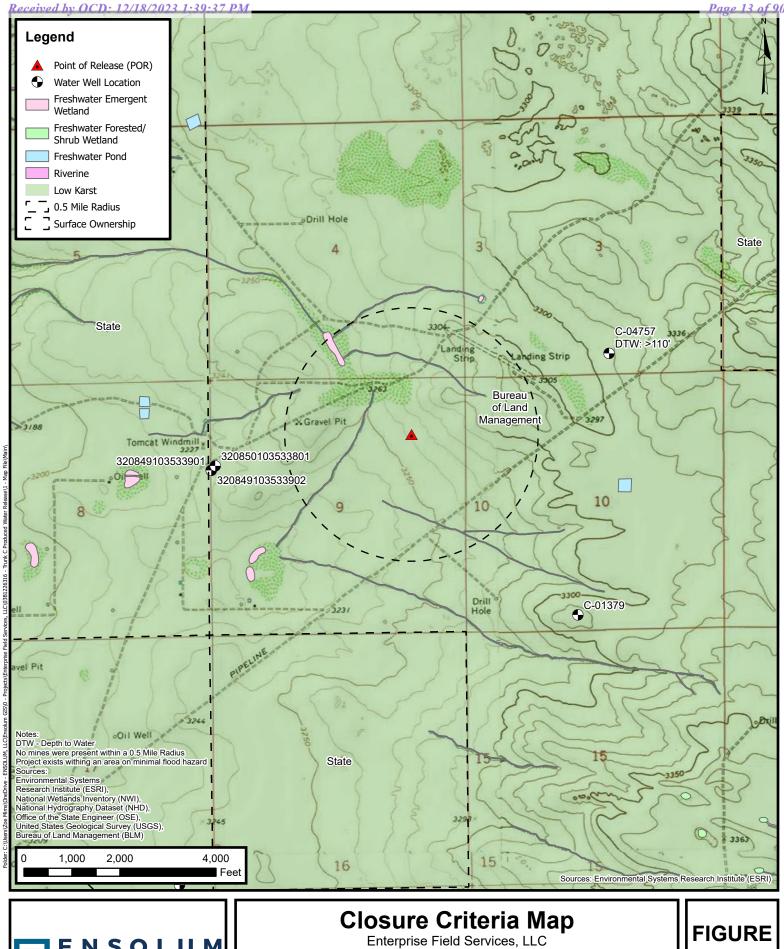


Excavation Soil Sample LocationsEnterprise Field Services, LLC

Enterprise Field Services, LLC Trunk C Project Number: 03B1226316 32.149012, -103.881141

Eddy County, New Mexico

FIGURE 3





Enterprise Field Services, LLC
Trunk C
Project Number: 03B1226316
32.149012, -103.881141
Eddy County, New Mexico

FIGURE 4

Released to Imaging: 3/25/2024 1:25:08 PM



APPENDIX B

Supporting Documentation

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

| Incident ID | NAPP2329035104 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

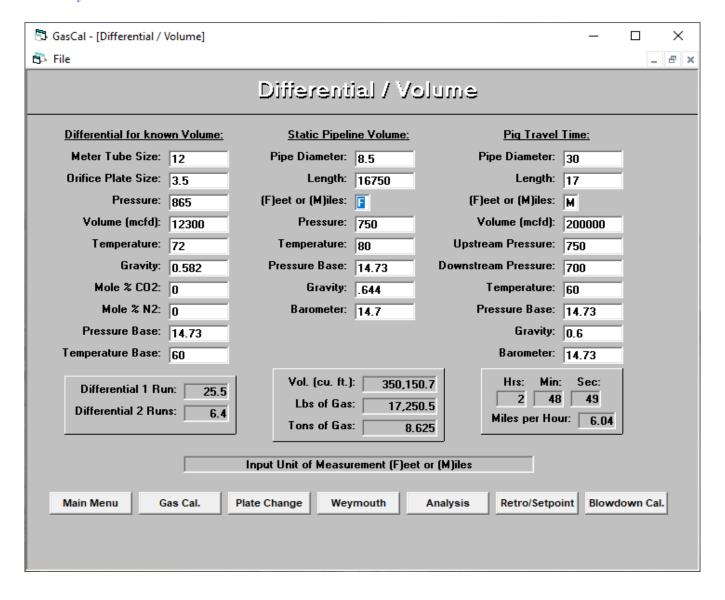
| Α | 9 | 25\$ | 30E | | Eddy | | | | |
|---------------------|---------------------|-----------------------|-------------------|------------------|--|--------|---|--|--|
| Unit Letter | Section | Township | Range | | County | | | | |
| Date Releas | e Discovere | ed: 10/17/2023 | | | | Ser | ial # (if applicable) N/A | | |
| Site Name: | | | | | | | e Type Natural Gas Gathering eline | | |
| Latitude <u>32.</u> | 149012 | | <u>Lo</u> ngitude | <u>-103.8811</u> | 41 | NAD 83 | in decimal degrees to 5 decimal places) | | |
| | | | Locatio | n of Rel | ease Soul | се | | | |
| Contact ma 87401 | iling addres | s: 614 Reilly Av | e, Farmingto | on, NM | | | | | |
| Contact em | | • | | | Contact Telephone: 505-599-2286 Incident # (assigned by OCD) #) nAPP2329035104 | | | | |
| Contact Na | me: Thoma | s Long | | | | | | | |
| Responsible | e Party: Ent | erprise Field S | ervices, LLC | ; | OGRID: 241602 | | | | |

Nature and Volume of Release

Surface Owner: State Federal Tribal Private (Name: Enterprise Field Services, LLC)

| Nature and Volume of Neicase | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|
| Material(s) R | Released (Select all that apply and attach calculations or specifi | ic justification for the volumes provided below) | | | | | | | | |
| Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) | | | | | | | | |
| Produced Water Volume Released (bbls) | | Volume Recovered (bbls) | | | | | | | | |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No | | | | | | | | |
| | Volume Released (bbls): Estimated 5 barrels | Volume Recovered (bbls): None | | | | | | | | |
| ☐ Natural Gas | Volume Released (Mcf): 350 MCF | Volume Recovered (Mcf): | | | | | | | | |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) | | | | | | | | |
| Fire | | | | | | | | | | |
| were affected. No fires no of liquids were observed o the release reportable per | Cause of Release: On October 9, 2023, Enterprise has a release of natural gas and condensate form the Truck C pipeline. No washes were affected. No fires nor injuries occurred. The pipeline was isolated, depressurized, locked and tagged out. Approximately three barrels of liquids were observed on the ground surface. Repairs and remediation began on October 17, 2023 at which time Enterprise determined the release reportable per NMOCD regulation due to the volume of impacted subsurface soil. A third party corrective action report will be submitted with the "Final C-141." | | | | | | | | | |

| rived by OCD: 12/18/20. | 43 123730 LATIVIVI | | | Page 16 NAPP2329035104 |
|---|---|---|--|--|
| | | | | 11/11/1/232/033104 |
| | | | | |
| | If VEC for what reason/s |) does the recognition party of | unaidar thia a maiar ralas | 2002 |
| Vas this a major elease as defined by 19.15.29.7(A) NMAC? | If YES, for what reason(s | s) does the responsible party co | nsider this a major relea | ise ? |
| ☐ Yes ⊠ No | | | | |
| f YES, was immediate no | tice given to the OCD? By | whom? To whom? When and | d by what means (phone | e, email, etc)? |
| | | Initial Response | | |
| The responsible party | r must undertake the following | actions immediately unless they c | ould create a safety hazard | that would result in injury |
| ☐ The source of the re | elease has been stoppe | d. | | |
| ∑ The impacted area | has been secured to pro | otect human health and the | environment. | |
| Released materials | have been contained vi | ia the use of berms or dikes | , absorbent pads, or o | ther containment devices. |
| All free liquids and | recoverable materials ha | ave been removed and man | aged appropriately. | |
| emediation has begun f the release occurred vor closure evaluation. hereby certify that the in- ules and regulations all o | , please attach a narrative within a lined containmer formation given above is truperators are required to re | arty may commence remedive of actions to date. If remot area (see 19.15.29.11(A)(sue and complete to the best of port and/or file certain release environment. The acceptance o | edial efforts have been 5)(a) NMAC), please a my knowledge and unden tifications and perform | n successfully completed of ttach all information neede erstand that pursuant to OCD n corrective actions for |
| pperator of liability should groundwater, surface wat | their operations have faile er, human health or the en | d to adequately investigate and vironment. In addition, OCD acher federal, state, or local laws | d remediate contamination representance of a C-141 representance of a C-141 representation. | on that pose a threat to |
| | as J. Long | Title: <u>Senior Er</u> | vironmental Scientist | |
| Signature: | any | Date: <u>10-26</u> | 5-2023 | |
| email: tjlong <u>@eprod.con</u> | 1 | Telephone: <u>505-59</u> | 9-2286 | |
| OCD Only | | | | |
| Received by: _Shelly W | ells | Dat | e: 10/26/2023 | |



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 279706

CONDITIONS

| Operator: | OGRID: |
|--------------------------------|---|
| Enterprise Field Services, LLC | 241602 |
| PO Box 4324 | Action Number: |
| Houston, TX 77210 | 279706 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| scwells | None | 10/26/2023 |

Kelly Lowery

From: Wells, Shelly, EMNRD < Shelly.Wells@emnrd.nm.gov>

Sent: Tuesday, October 17, 2023 11:37 AM

To: Long, Thomas; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Shelly Taylor (sjtaylor@blm.gov)

Cc: Kelly Lowery; Stone, Brian; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

[**EXTERNAL EMAIL**]

Good morning Thomas,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, October 17, 2023 10:01 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Shelly Taylor (sjtaylor@blm.gov) <sjtaylor@blm.gov>

Cc: Kelly Lowery <klowery@ensolum.com>; Stone, Brian

 Stone@eprod.com>

Subject: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident #NAPP2329035104

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

This email is a notification that Enterprise has a release of natural gas and natural gas liquids on the Trunk C pipeline on October 9, 2023. No washes were affected. No fires nor injuries occurred. The pipeline was isolated, depressurized, locked and tagged out. Minimal liquids were observed on the ground surface. Enterprise began remediation today and determined the release report per NMOCD regulation due to the volume of impacted subsurface soil.

This email also serves as a notification that Enterprise will be collecting closure samples for laboratory analysis on Thursday, October 19, 2023 at 10:00 a.m.

If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

Kelly Lowery

From: Taylor, Shelly J <sjtaylor@blm.gov>
Sent: Wednesday, October 25, 2023 11:18 AM

To: Long, Thomas; Hamlet, Robert, EMNRD; Wells, Shelly, EMNRD; Bratcher, Michael, EMNRD

Cc: Kelly Lowery; Stone, Brian

Subject: Re: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

You don't often get email from sjtaylor@blm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

BLM accepts your variance request.

Sincerely,

Shelly G Taylor

Environmental Protection Specialist

Realty - Compliance

Bureau of Land Management/Carlsbad Field Office

620 E. Greene St

Carlsbad, NM 88220

Direct 575.234.5706

Mobile 575.200.0614

sitaylor@blm.gov



Spill/Release email: **BLM_NM_CFO_REALTY_SPILL@BLM.GOV**

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, October 25, 2023 10:08 AM

To: Taylor, Shelly J <sjtaylor@blm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Wells, Shelly,

EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Kelly Lowery <klowery@ensolum.com>; Stone, Brian

 Stone@eprod.com>

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident #NAPP2329035104

Shelly/Shelly/Robert,

This email is notification and a variance request. Enterprise is requesting a variance for required 48-hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect closure samples on Thursday, October 26, 2023 at 10:00 a.m.

Please acknowledge acceptance of this variance request.

If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



From: Taylor, Shelly J <sjtaylor@blm.gov> Sent: Monday, October 23, 2023 3:32 PM

To: Long, Thomas <tjlong@eprod.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Wells, Shelly,

EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Kelly Lowery <klowery@ensolum.com>; Stone, Brian

 Stone@eprod.com>

Subject: Re: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

[Use caution with links/attachments]

When submitting release notifications to the BLM, please include GPS coordinates for the point of release and KMZ of impacted area. Thanks!

Sincerely,

Shelly 9 Taylor

Environmental Protection Specialist

Realty - Compliance

Bureau of Land Management/Carlsbad Field Office 620 E. Greene St Carlsbad, NM 88220 Direct 575.234.5706 Mobile 575.499.6831

sjtaylor@blm.gov



Spill/Release email: BLM NM CFO REALTY SPILL@BLM.GOV

From: Long, Thomas < tilong@eprod.com > Sent: Tuesday, October 17, 2023 10:00 AM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@emnrd.nm.gov; Wells, Shelly, EMNRD < Shelly.Wells@emnrd.nm.gov;

Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Taylor, Shelly J <sjtaylor@blm.gov>

Cc: Kelly Lowery < klowery@ensolum.com >; Stone, Brian < bmstone@eprod.com >

Subject: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident #NAPP2329035104

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

All,

This email is a notification that Enterprise has a release of natural gas and natural gas liquids on the Trunk C pipeline on October 9, 2023. No washes were affected. No fires nor injuries occurred. The pipeline was isolated, depressurized, locked and tagged out. Minimal liquids were observed on the ground surface. Enterprise began remediation today and determined the release report per NMOCD regulation due to the volume of impacted subsurface soil.

This email also serves as a notification that Enterprise will be collecting closure samples for laboratory analysis on Thursday, October 19, 2023 at 10:00 a.m.

If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

Kelly Lowery

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, October 25, 2023 11:19 AM

To: Long, Thomas; Taylor, Shelly J; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Cc: Kelly Lowery; Stone, Brian; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

[**EXTERNAL EMAIL**]

Hi Thomas,

Yes, a variance is approved for this occasion. In the future, "a showing of good cause" should be provided with any variance request per 19.15.29.12(D)1(a) NMAC. The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, October 25, 2023 10:09 AM

To: Taylor, Shelly J <sjtaylor@blm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Wells, Shelly,

EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Kelly Lowery <klowery@ensolum.com>; Stone, Brian

 Smstone@eprod.com>

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

Shelly/Shelly/Robert,

This email is notification and a variance request. Enterprise is requesting a variance for required 48-hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect closure samples on Thursday, October 26, 2023 at 10:00 a.m.

Please acknowledge acceptance of this variance request.

If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



From: Taylor, Shelly J < sent: Monday, October 23, 2023 3:32 PM

To: Long, Thomas <tilong@eprod.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov; Wells, Shelly,

EMNRD < Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Cc: Kelly Lowery <klowery@ensolum.com>; Stone, Brian

 Stone@eprod.com>

Subject: Re: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

[Use caution with links/attachments]

When submitting release notifications to the BLM, please include GPS coordinates for the point of release and KMZ of impacted area. Thanks!

Sincerely,

Shelly 9 Taylor

Environmental Protection Specialist

Realty - Compliance

Bureau of Land Management/Carlsbad Field Office 620 E. Greene St Carlsbad, NM 88220 Direct 575.234.5706 Mobile 575.499.6831 sitaylor@blm.gov



Spill/Release email: BLM_NM_CFO_REALTY_SPILL@BLM.GOV

From: Long, Thomas < tilong@eprod.com > Sent: Tuesday, October 17, 2023 10:00 AM

 $Bratcher, Michael, EMNRD < \underline{mike.bratcher@emnrd.nm.gov}; Taylor, Shelly J < \underline{sjtaylor@blm.gov} > \underline{mike.bratcher@emnrd.nm.gov} > \underline{mike.bratcher@emnrd.nm.$

Cc: Kelly Lowery <<u>klowery@ensolum.com</u>>; Stone, Brian <<u>bmstone@eprod.com</u>>

Subject: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident #NAPP2329035104

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All,

This email is a notification that Enterprise has a release of natural gas and natural gas liquids on the Trunk C pipeline on October 9, 2023. No washes were affected. No fires nor injuries occurred. The pipeline was isolated, depressurized, locked and tagged out. Minimal liquids were observed on the ground surface. Enterprise began remediation today and determined the release report per NMOCD regulation due to the volume of impacted subsurface soil.

This email also serves as a notification that Enterprise will be collecting closure samples for laboratory analysis on Thursday, October 19, 2023 at 10:00 a.m.

If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



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Kelly Lowery

From: Wells, Shelly, EMNRD < Shelly.Wells@emnrd.nm.gov>

Sent: Tuesday, October 31, 2023 10:40 AM

To: Long, Thomas; Hamlet, Robert, EMNRD; Taylor, Shelly J

Cc: Kelly Lowery; Stone, Brian; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

[**EXTERNAL EMAIL**]

Good morning Thomas,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.govhttp://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com> Sent: Tuesday, October 31, 2023 9:37 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Taylor, Shelly J <sjtaylor@blm.gov>

Cc: Kelly Lowery <klowery@ensolum.com>; Stone, Brian <bmstone@eprod.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident #NAPP2329035104

Robert/Shelly,

This email is notification that Enterprise will be collecting closure samples on Friday, November 3, 2023 at 10:00 a.m. at the Truck C release site. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)

tjlong@eprod.com



From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov >

Sent: Wednesday, October 25, 2023 2:41 PM

To: Long, Thomas < tilong@eprod.com >; Taylor, Shelly J < sitaylor@blm.gov >

Cc: Kelly Lowery < <u>klowery@ensolum.com</u>>; Stone, Brian < <u>bmstone@eprod.com</u>>; Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; Velez, Nelson, EMNRD < <u>Nelson.Velez@emnrd.nm.gov</u>>; Wells, Shelly, EMNRD < Shelly.Wells@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

[Use caution with links/attachments]

Thomas,

Unfortunately, you are making a habit of this. Please, make sure your sampling schedule is a little better thought out in the future. This will be the final variance approval for requesting a variation from the 48 hour notification requirement. Please don't let this happen again, proceed with the sample collection. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Long, Thomas < tilong@eprod.com > Sent: Wednesday, October 25, 2023 10:09 AM

To: Taylor, Shelly J <<u>sitaylor@blm.gov</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@emnrd.nm.gov</u>>; Wells, Shelly,

EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Kelly Lowery < klowery@ensolum.com>; Stone, Brian < bmstone@eprod.com>

Subject: RE: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

Shelly/Shelly/Robert,

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Senior Environmental Scientist
Enterprise Products Company
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505-215-4727 (Cell)
tjlong@eprod.com



From: Taylor, Shelly J <<u>sitaylor@blm.gov</u>> Sent: Monday, October 23, 2023 3:32 PM

To: Long, Thomas <tilong@eprod.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Wells, Shelly,

EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Kelly Lowery < klowery@ensolum.com>; Stone, Brian < bmstone@eprod.com>

Subject: Re: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident

#NAPP2329035104

[Use caution with links/attachments]

When submitting release notifications to the BLM, please include GPS coordinates for the point of release and KMZ of impacted area. Thanks!

Sincerely,

Shelly G Taylor

Environmental Protection Specialist

Realty - Compliance

Bureau of Land Management/Carlsbad Field Office 620 E. Greene St Carlsbad, NM 88220 Direct 575.234.5706 Mobile 575.499.6831 sitaylor@blm.gov



Spill/Release email: BLM_NM_CFO_REALTY_SPILL@BLM.GOV

From: Long, Thomas < tilong@eprod.com > Sent: Tuesday, October 17, 2023 10:00 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>;

Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Taylor, Shelly J <sjtaylor@blm.gov>

Cc: Kelly Lowery < klowery@ensolum.com >; Stone, Brian < bmstone@eprod.com >

Subject: [EXTERNAL] Trunk C - UL A Section 8 T22N R29E; 32.149012, -10388141; NMOCD Incident #NAPP2329035104

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Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



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| | | New Mexico Site | e Characterizatio | n | | | | | | |
|----------------------|--------------------------------|--|---------------------------------|-----------------------|-----------------------------|--|--|--|--|--|
| REFERENCE | | <u>SIT</u> | E INFORMATION | | COMMENTS | | | | | |
| C-141 | | Site Name: | Trunk C Produced Water Re | lease | | | | | | |
| C-141 | | Cordinates: | 32.149012, -103.881141 | L | | | | | | |
| C-141 | | Incident Number: | Not Reportable; PIR: 1087 | 97 | | | | | | |
| C-141 | | Land Owner: | BLM | | | | | | | |
| NMOCD O&G Map | | | | | | | | | | |
| | | | | | | | | | | |
| | | Type: | Riverine | | | | | | | |
| NMOCD O&G Map | | Distance (ft): | 1,106 | | | | | | | |
| | | Direction: | West | | | | | | | |
| | | SITE RE | <u>ECEPTORS</u> | • | | | | | | |
| C-141 | NO Did this release | impact groundwater or surface | ce water? | | No | | | | | |
| NMOCD O&G Map | | lakebed, sinkhole, or playa lak | | | > 5 miles | | | | | |
| NMOCD O&G Map | NO ≤ 300 ft of a co | ntinuously flowing watercours | e or any other significant wate | rcourse? | 1,106 to the West | | | | | |
| FEMA map | NO <u><</u> 300 ft of an o | > 5 miles | | | | | | | | |
| Wetlands map | NO <u><</u> 300 ft of a we | NO ≤ 300 ft of a wetland? | | | | | | | | |
| USGS map | NO <u><</u> 500 ft of a spi | NO < 500 ft of a spring or a private water well used by < 5 houses for domestic or stock watering? | | | | | | | | |
| USGS map | NO ≤ 1000 ft of any | NO < 1000 ft of any other fresh water well or spring? | | | | | | | | |
| FEMA map | NO in a 100-year flo | oodplain? | | | No | | | | | |
| NMOCD O&G Map | NO overlying unsta | ble geology (HIGH KARST)? | | | No | | | | | |
| NMOCD O&G Map | LOW karst potential | | | | Low | | | | | |
| NMOCD O&G Map | NO water well with | in half a mile from Site with d | ata ≤ 25 years? | | 4,240 ft to the SW | | | | | |
| | | <u>DTW INF</u> | <u>ORMATION</u> | | | | | | | |
| | | USGS Well | | M OSE Well | | | | | | |
| | Cl | LOSER | FA | LSE | | | | | | |
| | Name: | 320849103533902 | Name: | C01379 | | | | | | |
| | Distance from Site (ft): | 4,240 | Distance from Site (ft): | 5,104 | 4 | | | | | |
| Cross reference USGS | Direction from Site: | southwest | Direction from Site: | southeast | 320849103533902 last | | | | | |
| Map, NMOCD Map, and | Elevation: | 3,230 | Elevation: | 3,311 | measured on | | | | | |
| NMOSE Database | DTW (ft): | 326.53 | DTW (ft): | Dry Hole | 1/28/1998. Drilled in 1949. | | | | | |
| | Total Depth (ft): | 500 | Total Depth (ft): | 400 | - 1545. | | | | | |
| | Coordinates: | 32.1471, -103.8946 | Coordinates: | 32.138589, -103.87007 | - | | | | | |
| | 31 leet lower in 6 | 31 feet lower in elevation than the Site 50 feet higher in elevation than the Site | | | | | | | | |
| | | ESTIMATED DTW @ SITE: >100' | | | | | | | | |
| | | NMOCD TABLE 1 | CLOSURE CRITERIA | | 1 | | | | | |
| | | | Chlorides: 600 mg/k | g | | | | | | |
| | | | ALSE | | | | | | | |



Trunk C Produced Water Release



October 16, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

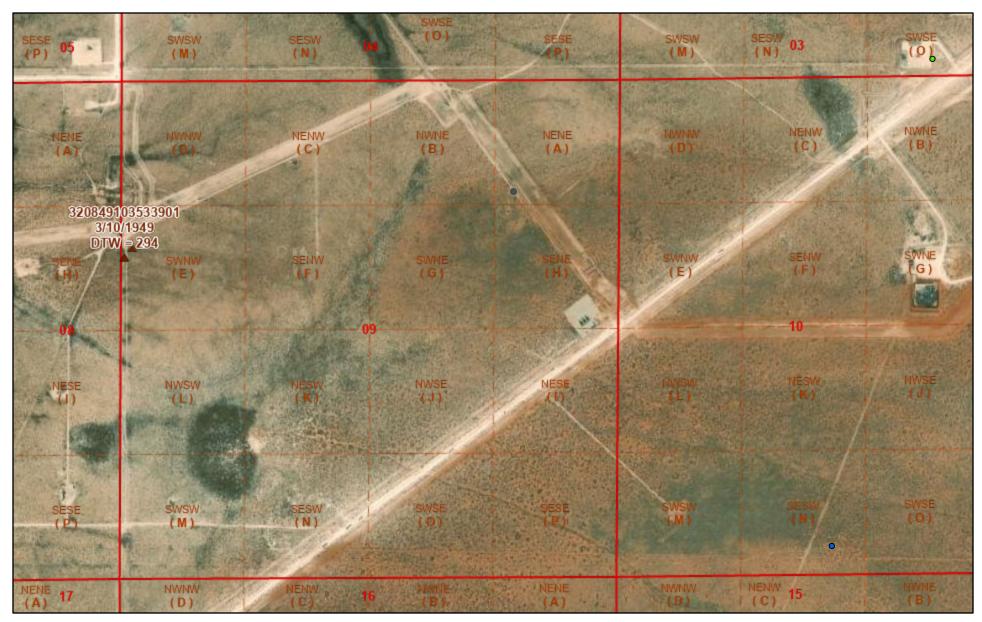
Riverine

Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Received by OCD: 12/18/2023 1:39:37 PM

| agency | _cd | site_no | station_nm | dec_lat_va | dec_long_va | dec_coord_datum_cd | state_cd | county_cd | Altitude_ft | alt_datum_cd | well_depth_va | gw_count_nu | lev_dt | lev_va |
|--------|-----|-----------------|--------------------|------------|-------------|--------------------|----------|-----------|-------------|--------------|---------------|-------------|-----------|--------|
| USGS | | 320849103533902 | 25S.30E.08.242221A | 32.147068 | -103.89465 | NAD83 | 35 | 15 | 3230 | NAVD88 | 500 | 2 | 1/28/1998 | 326.53 |

OCD Well Locations



10/16/2023, 5:22:15 PM

OSE Water PODs

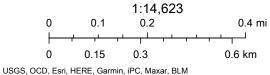
Active

Pending

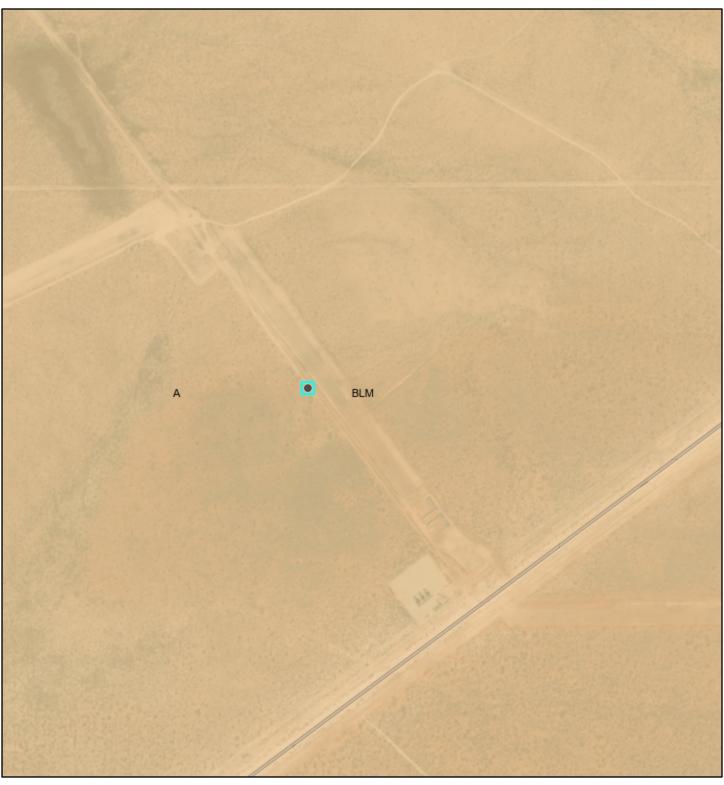
USGS Historical GW Wells

PLSS Second Division

PLSS First Division



Trunk C Produced Water Release



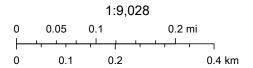
10/16/2023, 4:46:25 PM

Mineral Ownership

A-All minerals are owned by U.S.

Land Ownership

BLM



U.S. BLM, Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NM Coal Mine Reclamation Program, NM EMNRD, Maxar

National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR

SPECIAL FLOOD HAZARD AREAS

Regulatory Floodway

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X

Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X

OTHER AREAS OF FLOOD HAZARD

Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X

Effective LOMRs

OTHER AREAS

Area of Undetermined Flood Hazard Zone D

GENERAL

- - - Channel, Culvert, or Storm Sewer STRUCTURES | LILLIL Levee, Dike, or Floodwall

> 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect**

---- 513---- Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary

OTHER **FEATURES** -- Coastal Transect Baseline **Profile Baseline**

Hydrographic Feature

Digital Data Available

No Digital Data Available

MAP PANELS

Unmapped

point selected by the user and does not represent an authoritative property location.

The pin displayed on the map is an approximate

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/16/2023 at 5:44 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.







STATE ENGINEER OFFICE



-A2493

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

| Section 1 | 1 | | (4) O | - | Buck | Jackson | | |
|---------------------------------------|----------------|---|--|----------------------|-----------|--|---------------------------|-----------------|
| | | | Street and | r or well. Number | Box (| 671 | | |
| | | | | | | | State T | exas |
| | | | • | | | | 79 and | |
| | | | | | | | 10 _{Twp.} 25 | |
| | | | | | | | 1 Licen | |
| ŀ | | | | _ | | | St. | |
| ļ | | | | | | | State | |
| FIG. 355E | | t in Policy | Drilling w | as comm | enced | January 22 | 2 | 19 68 |
| es kobijo | e Vieta je sa | si de la satur i de | Drilling w | as comple | eted | March 20 | j gravi, j da širgeraj se | 19 68 |
| | Plat of 640 ac | | | | • | | 1 - | |
| | | _ | | | | _ | oth of well 40 | |
| State wh | nether well | is shallow o | r artesian | Silar | TOM. | Depth to wa | ter upon complet | ion none |
| Section 2 | 2 | | PRIN | CIPAL WA | TER-BEARI | NG STRATA | | |
| No. | Depth in From | To Th | ickness in Feet | | Des | scription of Water | -Bearing Formation | |
| 1 | | | | | | | | |
| 2 | | | | None | Dry | sand | | |
| 3 | | | | | | | | 2 7 |
| 4 | | - | | | | | <u> </u> | ~~~ |
| 5 | | | | | | | | |
| | 1 | • • | . | | | <u>: · · </u> | | |
| Section 3 | 3 | 1.1 | | RECOR | D OF CAS | ING A TOTAL STATE | THE PERSON NAMED IN | <u>Co</u> |
| Dia | Pounds | Threads | Dep | | Feet | Type Shoe | Perfor | Mary. |
| in. | ft. | in | | Bottom | | | From | O To |
| 7 [#] OD | 26 | 10 | 1 | 265 | 265 | None | None 🤝 | |
| · · · · · · · · · · · · · · · · · · · | | 7 | | | | | | |
| • | | | A11 7" | | - | from well | 25.0 | |
| | <u> </u> | ` |] | Dry | Hole | | | |
| Section 4 | 4 . | | RECORI | OF MUD | DING AN | D CEMENTING | | |
| <u> </u> | ı in Feet | Diameter | Tons | | cks of | | Methods Used | |
| From | То | Hole in in. | Clay | Cem | ient | general de la companya de la company | | |
| - | | <u>J</u> | one | | * | | | |
| | | | **** | _ | | | | |
| - | | | | - | | | | |
| - | | | 1 | The grant | | | | |
| Section 5 | 5 | | | PLUGG | ING RECO | ORD - | | · |
| | | Contractor | k + + + + + + + + + + + + + + + + + + + | | | | License No. | |
| Street ar | nd Number | -F | | | City | | State | |
| | | and the second second | | | | | oe of roughage | |
| | | ed | | | | to the contract of the contrac | gged | * |
| | approved l | | *** *** to | 7 | | | s were placed as | |
| 2.2 | | | | V | | Depth of Pl | | 1 |
| | | X.J.Y. Wes | Basin Supe | ervisor | No. | | No. of | Sacks Used |
| | FOR USES | DE STATE EN | CINERR ON | πv | | | | |
| | | F STATE EN | | , . . | | | | |
| Date 1 | Received 🚣 | 3 -8 1/1/1 9 2 | | ; • | | | | |
| | | - wa 95 | 4di 8961 | ! | | | | |
| | | | | | <u>'</u> | 1 | 1 | |
| | A | | | | | | | |
| File No | <u>C-137</u> | 9 | | _UseS | tock | Location | n No. 25. 30. | 10.344 |

Section 6

LOG OF WELL

| Depth | in Feet | Thickness | Color | Type of Material Encountered |
|---|---------|-----------|-------------------|------------------------------|
| From | То | in Feet | COLOR | Type of material Encountered |
| 0 | 2 | 2 | | Top scil |
| 2 | 20 | 18 | | Sandy Caliche |
| 20 | 90 | 70 | | Hard Gray sand |
| 90 | 100 | 10 | | Red soft sand stone |
| 100 | 120 | 20 | Red | Conglomerate sand stone |
| 120 | 140 | | Red | Sandy clay |
| 140 | 150 | 10 | Gray | Hard sand |
| 150 | 175 | 25 | | Red Bed Sandy |
| 175 | 180 | 5 | | Gray hard sand |
| 180 | 190 | 10 | 1 | Soft Gray Sand |
| 190 | 200 | 10 | | Sandy red bed |
| 200 | 210 | 10 1 | | Gray sand |
| 210 | 230 | 20 | | Sandy red bed |
| 230 | 290 | 60 | 1, 22 | Hard sandy red bed |
| 290 | 300 | 10 | Tall Sale No. 195 | Gray sand |
| 300 | 325 | 25 | | Sandy red Bed |
| 325 | 340 | 15 | | Soft red Sand stone |
| <u> 340 </u> | 360 | 20 | | Red sand soft |
| 360 | 400 | 40 | | Red sand soft, bottom |
| | | | | Dry |
| | | | | |
| | | | | |
| | | | | - |
| | | | ,281 | |
| VIII | | | | |
| | | | | |
| Value of the latest terms | | | | |
| | | | | |
| | | | 1 | |
| | | | | |
| · · · · · · · · · · · · · · · · · · · | | | · | |

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller

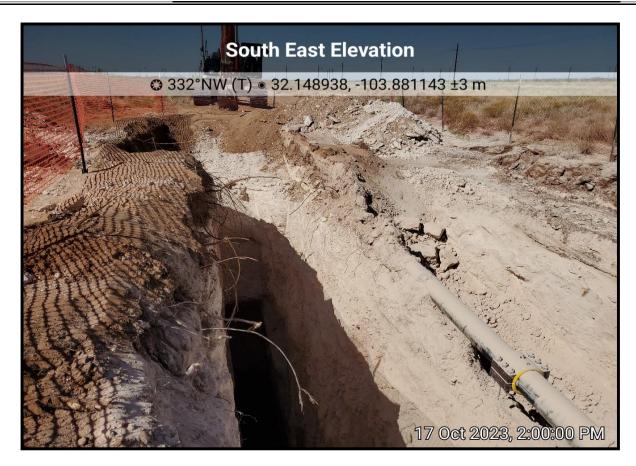
i de la companya de

9



APPENDIX C

Photographic Documentation



View of excavation activities, facing northwest.



View of stockpile on site, facing west.



View of excavation activities, facing northwest.



View of excavation activities, facing northwest.



View of excavation activities, facing northwest.



View of excavation activities, facing northwest.

ENSOLUM

APPENDIX D

Table

Received by OCD: 12/18/2023 1:39:37 PM



TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** Trunk C

Enterprise Field Services, LLC Eddy County, New Mexico Ensolum Project No. 03B12263316

| Sample Designation | Date | Depth (feet bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | Total TPH (GRO+DRO+MRO) (mg/kg) | Chloride (mg/kg) |
|-----------------------|--|---------------------|--------------------|--------------------|-------------------------|-----------------------------|--------------------------|--------------------|--------------------|--------------------|---------------------------------------|---------------------|
| | Oil Conservat eria for Soils Ir Release (≤ 50 feet) | | 10 | NE | NE | NE | 50 | NE | NE | NE | 100 | 600 |
| | | | | Compos | ite Excavation F | | <u></u> | | | | | |
| FS01 | 10/19/2023 | 7 | <0.019 | <0.038 | <0.038 | <0.076 | < 0.076 | <3.8 | 13 | <48 | <48 | 750 |
| | 10/26/2023 | 7 | | | NS | | | | | NS | | <60 |
| FS02 | 10/19/2023 | 27 | <0.015 | <0.030 | <0.030 | <0.059 | <0.059 | <3.0 | <9.6 | <48 | <48 | <60 |
| FS03 | 11/03/2023 | 12.5 | <0.019 | <0.037 | <0.037 | <0.074 | <0.074 | <3.7 | <9.2 | <46 | <46 | 98 |
| | | | | Composit | e Excavation Signature | | | cal Results | | | | |
| SW01 | 10/19/2023 | 0 - 7 | <0.020 | <0.039 | <0.039 | <0.078 | <0.078 | <3.9 | 17 | <48 | <48 | 850 |
| 64401 | 10/26/2023 | 0 - 7 | | | NS | | | | | NS | | 120 |
| | | 0 - 5 | <0.018 | <0.035 | <0.035 | <0.070 | <0.070 | <3.5 | <9.4 | <47 | <47 | 140 |
| | | 5 - 10 | <0.022 | <0.044 | <0.044 | <0.089 | <0.089 | <4.4 | <9.6 | <48 | <48 | <60 |
| SW02 | 10/19/2023 | 10 - 15 | <0.018 | <0.037 | <0.037 | <0.073 | <0.073 | <3.7 | <9.8 | <49 | <49 | <60 |
| | | 15 - 20 | <0.023 | <0.047 | <0.047 | <0.094 | <0.094 | <4.7 | <9.6 | <48 | <48 | <60 |
| | | 20 - 25 | <0.023 | <0.045 | <0.045 | <0.091 | <0.091 | <4.5 | <9.8 | <49 | <49 | 190 |
| | | 0 - 4 | <0.020 | <0.039 | <0.039 | <0.079 | <0.079 | <3.9 | <9.4 | <47 | <47 | <60 |
| SW03 | 11/03/2023 | 4 - 8 | <0.019 | <0.037 | <0.037 | <0.075 | <0.075 | <3.7 | <9.5 | <48 | <48 | 91 |
| | | 8 - 12 | <0.017 | <0.035 | <0.035 | <0.070 | <0.070 | <3.5 | <9.9 | <50 | <50 | 140 |
| | | 0 - 4 | <0.018 | <0.037 | <0.037 | <0.074 | <0.074 | <3.7 | <9.4 | <47 | <47 | <60 |
| SW04 | 11/03/2023 | 4 - 8 | <0.032 | <0.065 | <0.065 | <0.13 | <0.13 | <6.5 | <9.6 | <48 | <48 | <60 |
| | | 8 - 12 | <0.020 | <0.039 | <0.039 | <0.078 | <0.078 | <3.9 | <9.8 | <49 | <49 | 230 |
| | | | | Confir | mation Delineat | ion Soil Samp | le Analytical | Results | | | | |
| North | 10/19/2023 | 0.25 | <0.016 | <0.032 | <0.032 | <0.064 | <0.064 | <3.2 | <9.5 | <47 | <47 | <60 |
| East | 10/19/2023 | 0.25 | <0.017 | <0.034 | <0.034 | <0.067 | <0.067 | <3.4 | <9.7 | <49 | <49 | <60 |
| | 10/19/2023 | 0.25 | 0.084 | 0.25 | <0.035 | 0.14 | 0.474 | <3.5 | 73 | 180 | 253 | 88 |
| South | 10/26/2023 | 0.5 | | | NS | | | <3.3 | 47 | 110 | 157 | NS |
| | 11/03/2023 | 1 | <0.015 | <0.031 | <0.031 | <0.062 | <0.062 | <3.1 | <9.9 | <49 | <49 | <3.0 |
| North West | 10/19/2023 | 0.25 | <0.017 | <0.034 | <0.034 | <0.068 | <0.068 | <3.4 | <9.9 | <50 | <50 | <59 |
| South West | 10/19/2023 | 0.25 | <0.017 | <0.034 | <0.034 | <0.068 | <0.068 | <3.4 | <9.9 | <49 | <49 | <60 |
| | | | | Com | posite Stockpile | Soil Sample | Analytical Re | sults | | | | |
| SP | 10/19/2023 | NA | <0.022 | <0.044 | 0.059 | 0.16 | 0.219 | 9.6 | 99 | 180 | 289 | 160 |

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)

Additional Excavation and/or Re-Sample

bgs - below ground surface

mg/kg - milligrams per kilogram

NA - Not Applicable

NE - Not Established

BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

MRO - Motor Oil/Lube Oil Range Organics

TPH - Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2310A55

October 31, 2023

Kelly Lowery Ensolum LLC 601 Marrenfield #400 Midland, TX 79701 TEL: (214) 733-3165

FAX:

RE: Trunk C Produced Water Release

Dear Kelly Lowery:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/21/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 10/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: North

Project: Trunk C Produced Water Release **Collection Date:** 10/19/2023 9:08:00 AM

Lab ID: 2310A55-001 **Matrix:** MEOH (SOIL) **Received Date:** 10/21/2023 8:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|------------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 10/23/2023 9:19:35 AM |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 10/23/2023 9:19:35 AM |
| Surr: DNOP | 102 | 69-147 | %Rec | 1 | 10/23/2023 9:19:35 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 3.2 | mg/Kg | 1 | 10/21/2023 11:52:00 AM |
| Surr: BFB | 103 | 15-244 | %Rec | 1 | 10/21/2023 11:52:00 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.016 | mg/Kg | 1 | 10/21/2023 11:52:00 AM |
| Toluene | ND | 0.032 | mg/Kg | 1 | 10/21/2023 11:52:00 AM |
| Ethylbenzene | ND | 0.032 | mg/Kg | 1 | 10/21/2023 11:52:00 AM |
| Xylenes, Total | ND | 0.064 | mg/Kg | 1 | 10/21/2023 11:52:00 AM |
| Surr: 4-Bromofluorobenzene | 87.1 | 39.1-146 | %Rec | 1 | 10/21/2023 11:52:00 AM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JMT |
| Chloride | ND | 60 | mg/Kg | 20 | 10/23/2023 11:10:57 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 10/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: East

Project: Trunk C Produced Water Release Collection Date: 10/19/2023 9:06:00 AM

Lab ID: 2310A55-002 **Matrix:** MEOH (SOIL) **Received Date:** 10/21/2023 8:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|------------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 10/23/2023 9:30:11 AM |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 10/23/2023 9:30:11 AM |
| Surr: DNOP | 101 | 69-147 | %Rec | 1 | 10/23/2023 9:30:11 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 3.4 | mg/Kg | 1 | 10/21/2023 12:57:00 PM |
| Surr: BFB | 105 | 15-244 | %Rec | 1 | 10/21/2023 12:57:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.017 | mg/Kg | 1 | 10/21/2023 12:57:00 PM |
| Toluene | ND | 0.034 | mg/Kg | 1 | 10/21/2023 12:57:00 PM |
| Ethylbenzene | ND | 0.034 | mg/Kg | 1 | 10/21/2023 12:57:00 PM |
| Xylenes, Total | ND | 0.067 | mg/Kg | 1 | 10/21/2023 12:57:00 PM |
| Surr: 4-Bromofluorobenzene | 89.3 | 39.1-146 | %Rec | 1 | 10/21/2023 12:57:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JMT |
| Chloride | ND | 60 | mg/Kg | 20 | 10/23/2023 11:48:11 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 10/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: South

 Project:
 Trunk C Produced Water Release
 Collection Date: 10/19/2023 9:04:00 AM

 Lab ID:
 2310A55-003
 Matrix: MEOH (SOIL)
 Received Date: 10/21/2023 8:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|---------|----------|----------|----|------------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | RGANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | 73 | 9.9 | mg/Kg | 1 | 10/23/2023 9:40:48 AM |
| Motor Oil Range Organics (MRO) | 180 | 50 | mg/Kg | 1 | 10/23/2023 9:40:48 AM |
| Surr: DNOP | 89.5 | 69-147 | %Rec | 1 | 10/23/2023 9:40:48 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 3.5 | mg/Kg | 1 | 10/21/2023 2:02:00 PM |
| Surr: BFB | 99.3 | 15-244 | %Rec | 1 | 10/21/2023 2:02:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | 0.084 | 0.017 | mg/Kg | 1 | 10/21/2023 2:02:00 PM |
| Toluene | 0.25 | 0.035 | mg/Kg | 1 | 10/21/2023 2:02:00 PM |
| Ethylbenzene | ND | 0.035 | mg/Kg | 1 | 10/21/2023 2:02:00 PM |
| Xylenes, Total | 0.14 | 0.069 | mg/Kg | 1 | 10/21/2023 2:02:00 PM |
| Surr: 4-Bromofluorobenzene | 84.3 | 39.1-146 | %Rec | 1 | 10/21/2023 2:02:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JMT |
| Chloride | 89 | 60 | mg/Kg | 20 | 10/23/2023 12:00:36 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 10/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: North West

Project: Trunk C Produced Water Release
 Collection Date: 10/19/2023 9:10:00 AM

 Lab ID: 2310A55-004
 Matrix: MEOH (SOIL)
 Received Date: 10/21/2023 8:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|------------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 10/23/2023 9:51:25 AM |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 10/23/2023 9:51:25 AM |
| Surr: DNOP | 104 | 69-147 | %Rec | 1 | 10/23/2023 9:51:25 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 3.4 | mg/Kg | 1 | 10/21/2023 2:24:00 PM |
| Surr: BFB | 101 | 15-244 | %Rec | 1 | 10/21/2023 2:24:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.017 | mg/Kg | 1 | 10/21/2023 2:24:00 PM |
| Toluene | ND | 0.034 | mg/Kg | 1 | 10/21/2023 2:24:00 PM |
| Ethylbenzene | ND | 0.034 | mg/Kg | 1 | 10/21/2023 2:24:00 PM |
| Xylenes, Total | ND | 0.068 | mg/Kg | 1 | 10/21/2023 2:24:00 PM |
| Surr: 4-Bromofluorobenzene | 85.1 | 39.1-146 | %Rec | 1 | 10/21/2023 2:24:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JMT |
| Chloride | ND | 59 | mg/Kg | 20 | 10/23/2023 12:13:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 10/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: South West

Project: Trunk C Produced Water Release Collection Date: 10/19/2023 9:24:00 AM

Lab ID: 2310A55-005 Matrix: MEOH (SOIL) Received Date: 10/21/2023 8:00:00 AM

Result **RL Qual Units** DF Analyses **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: PRD Diesel Range Organics (DRO) ND 10/23/2023 10:02:03 AM 9.9 mg/Kg 1 Motor Oil Range Organics (MRO) 1 10/23/2023 10:02:03 AM ND 49 mg/Kg Surr: DNOP 96.6 %Rec 1 10/23/2023 10:02:03 AM 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: KMN Gasoline Range Organics (GRO) ND 3.4 mg/Kg 1 10/21/2023 2:45:00 PM Surr: BFB 99.0 15-244 %Rec 1 10/21/2023 2:45:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: KMN Benzene ND 0.017 mg/Kg 1 10/21/2023 2:45:00 PM Toluene ND 0.034 mg/Kg 1 10/21/2023 2:45:00 PM Ethylbenzene 10/21/2023 2:45:00 PM ND 0.034 mg/Kg 1 Xylenes, Total ND 0.068 mg/Kg 1 10/21/2023 2:45:00 PM Surr: 4-Bromofluorobenzene 86.3 39.1-146 %Rec 1 10/21/2023 2:45:00 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 10/23/2023 12:50:14 PM 60 mg/Kg 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 10/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: SP

Project: Trunk C Produced Water Release **Collection Date:** 10/19/2023 9:12:00 AM

Lab ID: 2310A55-006 **Matrix:** MEOH (SOIL) **Received Date:** 10/21/2023 8:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|------------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | 99 | 9.4 | mg/Kg | 1 | 10/23/2023 10:12:43 AM |
| Motor Oil Range Organics (MRO) | 180 | 47 | mg/Kg | 1 | 10/23/2023 10:12:43 AM |
| Surr: DNOP | 107 | 69-147 | %Rec | 1 | 10/23/2023 10:12:43 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | 9.6 | 4.4 | mg/Kg | 1 | 10/21/2023 3:07:00 PM |
| Surr: BFB | 145 | 15-244 | %Rec | 1 | 10/21/2023 3:07:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.022 | mg/Kg | 1 | 10/21/2023 3:07:00 PM |
| Toluene | ND | 0.044 | mg/Kg | 1 | 10/21/2023 3:07:00 PM |
| Ethylbenzene | 0.059 | 0.044 | mg/Kg | 1 | 10/21/2023 3:07:00 PM |
| Xylenes, Total | 0.16 | 0.089 | mg/Kg | 1 | 10/21/2023 3:07:00 PM |
| Surr: 4-Bromofluorobenzene | 93.6 | 39.1-146 | %Rec | 1 | 10/21/2023 3:07:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JMT |
| Chloride | 160 | 61 | mg/Kg | 20 | 10/23/2023 1:02:38 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310A55 31-Oct-23

WO#:

Client: Ensolum LLC

Project: Trunk C Produced Water Release

Sample ID: MB-78284 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 78284 RunNo: 100650

Prep Date: 10/21/2023 Analysis Date: 10/21/2023 SeqNo: 3690958 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-78284 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 78284 RunNo: 100650

Prep Date: 10/21/2023 Analysis Date: 10/21/2023 SeqNo: 3690959 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 93.0 90 110

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

10

2310A55 31-Oct-23

WO#:

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Sample ID: LCS-78288 | s | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | | | |
|-----------------------------|------------|-----------|-----------|-------------|--------------|-----------|-------------|------|----------|------|
| Client ID: LCSS | F | RunNo: 10 | 00648 | | | | | | | |
| Prep Date: 10/23/2023 | Analysis D | ate: 10 | /23/2023 | 9 | SeqNo: 36 | 90836 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 51 | 10 | 50.00 | 0 | 103 | 61.9 | 130 | | | |
| Surr: DNOP | 5.0 | | 5.000 | | 99.8 | 69 | 147 | | | |

| Sample ID: MB-78288 | Tes | tCode: El | PA Method | 8015M/D: Die | sel Range | Organics | | | | |
|--------------------------------|------------|-----------|-----------|--------------|-----------|----------|-------------|------|----------|------|
| Client ID: PBS | F | RunNo: 10 | 00648 | | | | | | | |
| Prep Date: 10/23/2023 | Analysis D | ate: 10 | /23/2023 | 9 | SeqNo: 30 | 690837 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |

105

147

10.00

Qualifiers:

Surr: DNOP

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310A55 31-Oct-23

WO#:

%RPD

5.35

0

HighLimit

130

244

RPDLimit

20

0

Qual

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Project: Trunk C I | Produced Wat | er Release | | | | | | | |
|-------------------------------|----------------|--------------|-------------|-----------|----------|-------------|------------|----------|------|
| Sample ID: 2.5ug gro lcs | SampType: | LCS | Tes | tCode: EP | A Method | 8015D: Gaso | line Range | | |
| Client ID: LCSS | Batch ID: | GS100639 | F | RunNo: 10 | 0639 | | | | |
| Prep Date: | Analysis Date: | 10/21/2023 | 5 | SeqNo: 36 | 90356 | Units: mg/K | (g | | |
| Analyte | Result PO | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 25.00 | 0 | 95.6 | 70 | 130 | | | |
| Surr: BFB | 2200 | 1000 | | 222 | 15 | 244 | | | |
| Sample ID: mb | SampType: | MBLK | Tes | tCode: EP | A Method | 8015D: Gaso | line Range | | |
| Client ID: PBS | Batch ID: | GS100639 | F | RunNo: 10 | 0639 | | | | |
| Prep Date: | Analysis Date: | 10/21/2023 | S | SeqNo: 36 | 90357 | Units: mg/K | (g | | |
| Analyte | Result PO | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | |
| Surr: BFB | 1000 | 1000 | | 104 | 15 | 244 | | | |
| Sample ID: 2310A55-001ams | SampType: | MS | Tes | tCode: EP | A Method | 8015D: Gaso | line Range | | |
| Client ID: North | Batch ID: | GS100639 | F | RunNo: 10 | 0639 | | | | |
| Prep Date: | Analysis Date: | 10/21/2023 | 9 | SeqNo: 36 | 90359 | Units: mg/K | (g | | |
| Analyte | Result PO | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 16 | 3.2 15.90 | 1.094 | 92.9 | 70 | 130 | | | |
| Surr: BFB | 1300 | 636.1 | | 211 | 15 | 244 | | | |
| Sample ID: 2310A55-001amsd | SampType: | MSD | Tes | tCode: EP | A Method | 8015D: Gaso | line Range | | |
| Client ID: North | Batch ID: | GS100639 | F | RunNo: 10 | 0639 | | | | |
| Prep Date: | Analysis Date: | 10/21/2023 | 9 | SeqNo: 36 | 90360 | Units: mg/K | (g | | |
| | • | | | - | | • | _ | | |

SPK Ref Val

1.094

%REC

98.4

221

LowLimit

70

15

Qualifiers:

Analyte

Surr: BFB

Gasoline Range Organics (GRO)

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit

Result

17

1400

PQL

3.2

SPK value

15.90

636.1

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310A55 31-Oct-23

WO#:

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Sample ID: 100NG BTEX LCS | SampT | Гуре: LC : | S | Tes | | | | | | |
|------------------------------|------------|-------------------|----------|-------------|-----------|----------|--------------|------|----------|------|
| Client ID: LCSS | Batch | h ID: BS | 100639 | F | | | | | | |
| Prep Date: | Analysis D | Date: 10 | /21/2023 | 5 | SeqNo: 36 | 690338 | Units: mg/Kg | | | |
| Analyte Result PQL SPK value | | | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.025 | 1.000 | 0 | 90.2 | 70 | 130 | | | |
| Toluene | 0.90 | 0.050 | 1.000 | 0 | 89.8 | 70 | 130 | | | |
| Ethylbenzene | 0.93 | 0.050 | 1.000 | 0 | 92.9 | 70 | 130 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 93.2 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.90 | | 1.000 | | 90.0 | 39.1 | 146 | | | |

| Sample ID: mb | Samp | Гуре: МЕ | BLK | Tes | tCode: EF | PA Method | 8021B: Volati | les | | |
|----------------------------|------------|-----------------|-----------|-------------|-----------|-----------|---------------|------|----------|------|
| Client ID: PBS | Batcl | h ID: BS | 100639 | F | RunNo: 10 | 00639 | | | | |
| Prep Date: | Analysis [| Date: 10 | /21/2023 | 5 | SeqNo: 30 | 690339 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.90 | | 1.000 | | 90.2 | 39.1 | 146 | | | |

| Sample ID: 2310A55-002ams | Samp ⁻ | Type: MS | 5 | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
|----------------------------|-------------------|----------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Client ID: East | Batc | h ID: BS | 100639 | F | RunNo: 10 | 00639 | | | | |
| Prep Date: | Analysis I | Date: 10 | /21/2023 | 5 | SeqNo: 30 | 690342 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.59 | 0.017 | 0.6739 | 0 | 88.2 | 70 | 130 | | | |
| Toluene | 0.59 | 0.034 | 0.6739 | 0.01541 | 85.8 | 70 | 130 | | | |
| Ethylbenzene | 0.60 | 0.034 | 0.6739 | 0 | 89.3 | 70 | 130 | | | |
| Xylenes, Total | 1.8 | 0.067 | 2.022 | 0.01229 | 89.2 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.58 | | 0.6739 | | 86.6 | 39.1 | 146 | | | |

| Sample ID: 2310A55-002amsd | SampT | ype: MS | D | Tes | tCode: EF | PA Method | 8021B: Volati | les | | |
|----------------------------|------------|----------|-----------|-------------|------------------|-----------|---------------|------|----------|------|
| Client ID: East | Batch | n ID: BS | 100639 | F | RunNo: 10 | 00639 | | | | |
| Prep Date: | Analysis D | oate: 10 | /21/2023 | 5 | SeqNo: 36 | 690343 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.59 | 0.017 | 0.6739 | 0 | 87.1 | 70 | 130 | 1.27 | 20 | |
| Toluene | 0.58 | 0.034 | 0.6739 | 0.01541 | 84.1 | 70 | 130 | 1.92 | 20 | |
| Ethylbenzene | 0.59 | 0.034 | 0.6739 | 0 | 87.6 | 70 | 130 | 1.98 | 20 | |
| Xylenes, Total | 1.8 | 0.067 | 2.022 | 0.01229 | 87.4 | 70 | 130 | 2.08 | 20 | |
| Surr: 4-Bromofluorobenzene | 0.57 | | 0.6739 | | 84.0 | 39.1 | 146 | 0 | 0 | |

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory 4901 Hawkms NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website, www.hallenvironmental.com

Sample Log-In Check List

| Client Name: Ensolum LL | C Wo | ork Order Numb | er: 231 | 0 A 55 | | | RcptNo: 1 |
|--|---------------------------|--------------------|------------|---------------|-------------|----------|----------------------------|
| Received By: Tracy Casa | arrubias 10/21 | 1/2023 8:00:00 | AM | | | | |
| Completed By: Tracy Casa | arrubias 10/21 | 1/2023 8:53:13 | AM | | | | |
| Reviewed By: 710/2 | 23/23 | | | | | | |
| Chain of Custody | | | | | | | |
| 1. Is Chain of Custody comple | ete? | | Yes | | No | V | Not Present |
| 2. How was the sample delive | ered? | | <u>Cou</u> | <u>rier</u> | | | |
| Log In 3. Was an attempt made to co | ool the samples? | | Yes | ✓ | No | | na 🗆 |
| 4. Were all samples received a | at a temperature of >0° | C to 6.0°C | Yes | V | No | | na 🗆 |
| 5. Sample(s) in proper contain | ner(s)? | | Yes | V | No | | |
| 6. Sufficient sample volume fo | r indicated test(s)? | | Yes | \checkmark | No | | |
| 7. Are samples (except VOA a | nd ONG) properly prese | rved? | Yes | ✓ | No Í | | |
| 8. Was preservative added to | bottles? | | Yes | | No | V | NA 🗌 |
| 9. Received at least 1 vial with | headspace <1/4" for AC | VOA? | Yes | | No [| | NA ☑ |
| 10. Were any sample container | s received broken? | | Yes | | No | V | # of preserved |
| 11. Does paperwork match bott | In John In 2 | | V | V | No l | | bottles checked for pH: |
| (Note discrepancies on chair | | | Yes | • | 140 | _ | (<2 or >12 unless noted) |
| 12. Are matrices correctly identi | | y? | Yes | \checkmark | No (| | Adjusted? |
| 13. Is it clear what analyses we | re requested? | | Yes | ✓ | No | | |
| Were all holding times able (If no, notify customer for au | | | Yes | \checkmark | No [| | Checked by: TMC 10/21/23 |
| Special Handling (if appl | | | | | / | | |
| 15. Was client notified of all dis | | er? | Yes | | No | | na 🗹 |
| Person Notified: | | Date: | | | | No. | |
| By Whom: | | Via: | ″ ∏ eMa | ail 🗀 | Phone | Fax | ☐ In Person |
| Regarding: | | | | | | | |
| Client Instructions: | Date and time of relinqui | sment are miss | ing on C | OC-T | MC 10/21/23 | 3 | |
| 16. Additional remarks: | | | | | | | |
| 17. Cooler Information Cooler No Temp °C 1 3.6 | Condition Seal Intag | ct Seal No Yogi | Seal D | ate | Signed B | Ву | |

| 5 | alli-or-C | Chain-or-Custody Record | 5 | | | Y. A (617) | | Ì | | | | TALL ENAIRONNEN FR |
|---|------------------------|---------------------------------|--------------|-------------------------|------------------------------------|--------------------------|---------------------|-------------------|--|------------------|---|---------------------|
| lent E | Ensolum, LLC | | | ☐ Standard | Rush Rush | 100 | | 7 | VALY | SIS | LABO | ANALYSIS LABORATORY |
| | | | | Project Name | - | | | 3 | www.hallenvironmental.com | MITORIAL | ental.com | |
| ailing A | | 601 N. Marienfeld St. Suite 400 | | Trunk (| | Production of Notes, Pro | | Hawkin | NE - A | Ibuquer | 4901 Hawkins NE - Albuquerque, NM 87109 | 109 |
| A CONTRACTOR OF THE PERSON OF | | | | Project #. | | | | Tel. 505-345-3975 | 3975 | Fax 50 | 505-345-4107 | |
| ћопе #. | UPhone #, 214-733-3165 | řũ | | 6287 | C>B1226316 | | | | Ana | Analysis Request | adnest | |
| email or Fax# | ax# klower | klowery@ensolum com | | Project Manager | iger Kelly Lowery | owery | (0) | | | | (tuə | |
| 20A/QC Package | скаде | □ Level 4 (Full Va | Validation) | | | | 208) e't AM \ O! | bCB. | SMIS0 '''Od' | In a contract of | edAltn | |
| Accreditation | _ | □ Az Compliance | | Sampler: Ka | Kappen Strimado | ·c | 30 / | (1. | | | | |
| □ NELAC | | J-6 | | | W Yes | O No LICED | OF | 1 09 | s | | _ | |
| (Type) | 1 | | | # of Coolers | | | 19) | ро | | (| | |
| | | | | Cooler Temp | Cooler Temp@notuting CFL 3.00-05 > | 2-0- 2p.c | 015D | Meth | M 8 . | AOV | | |
| Date | 53 Time Matrix | Sample Name | (F) Depth | Container Type and # | Preservative Type | 2310ASS | 8:H9T | EDB (| PAHS RCRA (3) F, | 8560 |) 0728) IstoT | |
| 40 | 36 | | .d (1 | 7 45 | 1/10 | 100 | XX | | 14 | | | |
| - | 6-106 | T. A. | _ | - | | 200 | _ | | | | | |
| | 476 | 5+1 | | 14 | | 200 | _ | | | | | |
| | 6. 20 | Man 4/4-14/2 | > | 7 |) | | チメ | | × | | | |
| 1 | | | 1 | A TAN | S/A | C/1/2 - 5000 | 3 | | | | | |
| , | 47.6 | 1 1 West | 0.25 | Jac 7 | Coeffee | ľ | × | | × | | | |
| 3 | 8722 | SF. | N.A | Sa12 | Codlie | 907 col | メメ | | ¥ | | | |
| Ser k | elly Low | 2654 | , | | | | | | | | | |
| d | 52/01/03 | 3/23 | NF | 4 | | | | | | | | |
| | | | 9 | The second second | | | | + | | 1 | | + |
| | | | | | | | 1, | + | + | + | | + |
| Date. 1 | Time Relinqui | Relinquished by | 1 | Received by. | Via (Bund | Date Time | Remarks: | 7 | Bill to: Tom Long Email: tilong@epord.com | ng epord.o | | |
| Date: | Time Relinqui | Relinquished by | / | Received by | Vie | Date Time | esudiania | <u>s</u> | circipiise rield Services, LLO | n servi | SS, LFC | |



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 03, 2023

Kelly Lowery
Ensolum LLC
601 Marrenfield #400
Midland, TX 79701
TEL: (214) 733-3165

FAX:

RE: Trunk C Produced Water Release OrderNo.: 2310D37

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 10/28/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT: Ensolum LLC

Analytical Report

Lab Order **2310D37**Date Reported: **11/3/2023**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: FS01 7'

Project: Trunk C Produced Water Release **Collection Date:** 10/26/2023 7:58:00 AM

Lab ID: 2310D37-001 **Matrix:** SOIL **Received Date:** 10/28/2023 7:50:00 AM

| Analyses | Result | RL Qua | l Units | DF | Date Analyzed |
|--------------------------|--------|--------|---------|----|------------------------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | ND | 60 | mg/Kg | 20 | 10/30/2023 12:42:22 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 6

CLIENT: Ensolum LLC

Analytical Report

Lab Order 2310D37 Date Reported: 11/3/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW01 0-7'

Project: Trunk C Produced Water Release **Collection Date:** 10/26/2023 8:01:00 AM Lab ID: 2310D37-002 Matrix: SOIL Received Date: 10/28/2023 7:50:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: KCB

Chloride 120 60 10/30/2023 12:54:47 PM mg/Kg 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Ε Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Page 2 of 6

Date Reported: 11/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: South 6"

Project: Trunk C Produced Water Release Collection Date: 10/26/2023 7:47:00 AM 2310D37-003 Lab ID: Matrix: MEOH (SOIL) Received Date: 10/28/2023 7:50:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|---------|--------|----------|----|------------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 46 | 9.4 | mg/Kg | 1 | 10/30/2023 11:27:32 AM |
| Motor Oil Range Organics (MRO) | 110 | 47 | mg/Kg | 1 | 10/30/2023 11:27:32 AM |
| Surr: DNOP | 107 | 69-147 | %Rec | 1 | 10/30/2023 11:27:32 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 3.3 | mg/Kg | 1 | 10/30/2023 12:05:00 PM |
| Surr: BFB | 112 | 15-244 | %Rec | 1 | 10/30/2023 12:05:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

Reporting Limit

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310D37** *03-Nov-23*

Client: Ensolum LLC

Project: Trunk C Produced Water Release

Sample ID: MB-78435 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **78435** RunNo: **100821**

Prep Date: 10/30/2023 Analysis Date: 10/30/2023 SeqNo: 3699446 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-78435 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 78435 RunNo: 100821

Prep Date: 10/30/2023 Analysis Date: 10/30/2023 SeqNo: 3699447 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 94.5 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310D37** *03-Nov-23*

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Sample ID: MB-78432 | SampT | уре: мв | LK | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
|--------------------------------|------------|-----------------|-----------|-------------|-----------|-----------|--------------|-----------|----------|------|
| Client ID: PBS | Batch | 1D: 78 4 | 132 | F | RunNo: 10 | 00827 | | | | |
| Prep Date: 10/30/2023 | Analysis D | ate: 10 | /30/2023 | 5 | SeqNo: 36 | 699597 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.6 | | 10.00 | | 96.4 | 69 | 147 | | | |

| Sample ID: LCS-78432 | SampT | ype: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
|-----------------------------|------------|-----------------|-----------|-------------|-----------|-----------|--------------|-----------|----------|------|
| Client ID: LCSS | Batch | ID: 78 4 | 132 | F | RunNo: 10 | 00827 | | | | |
| Prep Date: 10/30/2023 | Analysis D | ate: 10 | /30/2023 | 8 | SeqNo: 30 | 699598 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 51 | 10 | 50.00 | 0 | 102 | 61.9 | 130 | | | |
| Surr: DNOP | 5.8 | | 5.000 | | 116 | 69 | 147 | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 10/30/2023

PQL

3.3

16

1400

SPK value SPK Ref Val

16.26

650.2

2310D37 03-Nov-23

WO#:

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Sample ID: 2.5ug gro lcs | SampT | ype: LC | S | Tes | tCode: EF | PA Method | 8015D: Gaso | line Range | | |
|-------------------------------|------------|----------------|-----------|--|-----------------|-----------|-------------|------------|----------|------|
| Client ID: LCSS | Batch | ID: GS | 100829 | F | RunNo: 10 | 00829 | | | | |
| Prep Date: | Analysis D | ate: 10 | /30/2023 | S | SeqNo: 30 | 698897 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 25 | 5.0 | 25.00 | 0 | 98.9 | 70 | 130 | | | |
| Surr: BFB | 2300 | | 1000 | | 235 | 15 | 244 | | | |
| Sample ID: mb | SampT | ype: ME | BLK | Tes | tCode: EF | PA Method | 8015D: Gaso | line Range | | |
| Client ID: PBS | Batch | ID: GS | 100829 | F | RunNo: 10 | 00829 | | | | |
| Prep Date: | Analysis D | ate: 10 | /30/2023 | 5 | SeqNo: 30 | 698898 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 1200 | | 1000 | | 117 | 15 | 244 | | | |
| Sample ID: 2310D37-003ams | SampT | уре: МS | 5 | TestCode: EPA Method 8015D: Gasoline Range | | | | | | |
| Client ID: South 6" | Batch | ID: GS | 100829 | F | RunNo: 10 | 00829 | | | | |
| Prep Date: | Analysis D | ate: 10 | /30/2023 | 5 | SeqNo: 30 | 699746 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 16 | 3.3 | 16.26 | 0 | 99.4 | 70 | 130 | | | |
| Surr: BFB | 1400 | | 650.2 | | 220 | 15 | 244 | | | |
| Sample ID: 2310D37-003amsd | SampT | ype: MS | BD | Tes | tCode: E | PA Method | 8015D: Gaso | line Range | | |
| Client ID: South 6" | Batch | ID: GS | 100829 | F | RunNo: 10 | 00829 | | | | |

| Oua | lifi | ers | |
|-----|------|-----|--|
| | | | |

Prep Date:

Surr: BFB

Gasoline Range Organics (GRO)

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank

SeqNo: 3699747

LowLimit

70

15

%REC

95.6

218

Units: mg/Kg

130

244

%RPD

3.90

0

RPDLimit

20

0

Qual

HighLimit

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/25/2024 1:25:08 PM

| Client Name: Ensolum LLC | Work Order | Number: 2310D37 | | RcptNo: 1 | |
|--|--|-----------------|----------------|-----------------------------------|---------------|
| Received By: Cheyenne C | Cason 10/28/2023 7 | :50:00 AM | Clent | | |
| Completed By: Cheyenne C | Cason 10/28/2023 8 | :08:40 AM | Chul | | |
| Reviewed By: M 16/ | 30/23 | | | | |
| Chain of Custody | | | _ | _ | |
| 1. Is Chain of Custody comple | ete? | Yes 🗸 | No 🗌 | Not Present | |
| 2. How was the sample delive | red? | Courier | | | |
| Log In | al the governor | Yes ⊻ | No 🗆 | NA 🗌 | |
| 3. Was an attempt made to co | ool the samples? | res 💌 | 140 | NA 🗀 | |
| 4. Were all samples received a | at a temperature of >0° C to 6.0 | °C Yes 🗸 | No 🗌 | NA 🗆 | |
| 5. Sample(s) in proper contain | er(s)? | Yes 🗹 | No 🗀 | | |
| 6. Sufficient sample volume for | r indicated test(s)? | Yes 🗹 | No 🗌 | | |
| 7. Are samples (except VOA a | nd ONG) properly preserved? | Yes 🗹 | No 🗌 | | |
| 8. Was preservative added to I | bottles? | Yes 🗌 | No 🗹 | NA 🗌 | |
| 9. Received at least 1 vial with | headspace <1/4" for AQ VOA? | Yes 🗌 | No 🗌 | NA 🗹 | |
| 10. Were any sample container | s received broken? | Yes 🗌 | No 🗹 | # of preserved bottles checked | |
| 11. Does paperwork match bott | | Yes 🗹 | No 🗆 | for pH: | unless noted) |
| (Note discrepancies on chain 12. Are matrices correctly identified to the contract of the con | • | Yes 🗹 | No 🗌 | Adjusted? | unicss noted) |
| 13. Is it clear what analyses we | | Yes 🗹 | No 🗆 | | |
| 14. Were all holding times able | | Yes 🗹 | No 🗆 | Checked by: | 10/18 |
| (If no, notify customer for au | | | | | |
| Special Handling (if app | <u>licable)</u> | | | | |
| 15. Was client notified of all dis | screpancies with this order? | Yes 🗌 | No 🗌 | NA 🗹 | |
| Person Notified: | Control of the Contro | Date: | | | |
| By Whom: | | Via: |] Phone [] Fax | ☐ In Person | |
| Regarding: | | | | | |
| Client Instructions: | | • | - | | |
| 16. Additional remarks: | | | | | |
| 17. Cooler Information | lla un lla un ll | 4 2 | 0: 15 | | |
| Cooler No Temp °C | Condition Seal Intact Sea Good Not Present Yogi | al No Seal Date | Signed By | | |
| ı U.7 | ooou morriesent Yogi | | | | |

| Received by OCD: 12/18/2023 1:39:37 PM ecord | Turn-Around Time: | Page 67 of 90 |
|--|--------------------------------------|--|
| Client: Ensolum, LLC | □ Standard ☑ Rush Same Olay | ANALYSIS LABORATORY |
| | ** | www.hallenvironmental.com |
| Mailing Address: 601 N. Marienfeld St. Suite 400 | 100 Trunk C Procluced Water Release | 4901 Hawkins NE - Albuquerque, NM 87109 |
| | | Tel. 505-345-3975 Fax 505-345-4107 |
| Phone #: 214-733-3165 | B381226316 | Analysis Request |
| email or Fax#: klowery@ensolum.com | Project Manager: Kelly Lowery | (O) |
| ige: | | SO ⁴ ° S |
| ☐ Standard ☐ Level 4 (Full Validation) | | 지 3 전 () () () () () () () () () () () () () |
| :uo | r. Koory Shimac | G \ C 808\ (1.40 S8 10 ON |
| □ NELAC □ Orner | # Of Condom O Co. Co. Co. Co. | Seption of the control of the contro |
| L EUD (1ype) | + 5 Conday | D((|
| > | GOOLET Lemp(including of): 7.9-022.4 | onsi Meth by 8 M VO. |
| 2023 Time Metrix Sample Name De | Container Preservative HEAL No. | BTEX B081 R B081 B BCRA CI) F, CI) F, Total G |
| TING SOIL FEBT | Jan 7 1 60 10001 |) × |
| 7.30 20 1201 | 7 | × |
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| Date: Time: Relinquished by: | Received by: Via: Date Time | Remarks: Bill to: Tom Long |
| Mahis and Mesentha | Mary Marilas | $H_{0}l_{o}l_{o}$ Enterprise Field Services, LLC |
| Date: Time: Relinquished by: | Received by: Via: Date Time | Swarp of to of comme |
| Parlos (900 Chummin) | (me coum 10/18/10 0750 | m |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2311273

November 13, 2023

Kelly Lowery Ensolum LLC 601 Marrenfield #400 Midland, TX 79701 TEL: (214) 733-3165

FAX:

RE: Trunk C Produced Water Release

Dear Kelly Lowery:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 11/7/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2311273**Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: South 1'

Project:Trunk C Produced Water ReleaseCollection Date: 11/3/2023 12:00:00 PMLab ID:2311273-001Matrix: MEOH (SOIL)Received Date: 11/7/2023 7:25:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|---|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 11/7/2023 9:57:52 AM |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 11/7/2023 9:57:52 AM |
| Surr: DNOP | 98.4 | 69-147 | %Rec | 1 | 11/7/2023 9:57:52 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.1 | mg/Kg | 1 | 11/7/2023 11:27:48 AM |
| Surr: BFB | 92.0 | 15-244 | %Rec | 1 | 11/7/2023 11:27:48 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: JJP |
| Benzene | ND | 0.015 | mg/Kg | 1 | 11/7/2023 11:27:48 AM |
| Toluene | ND | 0.031 | mg/Kg | 1 | 11/7/2023 11:27:48 AM |
| Ethylbenzene | ND | 0.031 | mg/Kg | 1 | 11/7/2023 11:27:48 AM |
| Xylenes, Total | ND | 0.062 | mg/Kg | 1 | 11/7/2023 11:27:48 AM |
| Surr: 4-Bromofluorobenzene | 96.5 | 39.1-146 | %Rec | 1 | 11/7/2023 11:27:48 AM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | ND | 60 | mg/Kg | 20 | 11/7/2023 11:34:44 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order **2311273**Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: FS03 12.5'

Project: Trunk C Produced Water Release **Collection Date:** 11/3/2023 2:38:00 PM

Lab ID: 2311273-002 **Matrix:** MEOH (SOIL) **Received Date:** 11/7/2023 7:25:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|--------------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.2 | mg/Kg | 1 | 11/7/2023 10:21:57 AM |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 11/7/2023 10:21:57 AM |
| Surr: DNOP | 98.5 | 69-147 | %Rec | 1 | 11/7/2023 10:21:57 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.7 | mg/Kg | 1 | 11/7/2023 11:51:07 AM |
| Surr: BFB | 92.4 | 15-244 | %Rec | 1 | 11/7/2023 11:51:07 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: JJP |
| Benzene | ND | 0.019 | mg/Kg | 1 | 11/7/2023 11:51:07 AM |
| Toluene | ND | 0.037 | mg/Kg | 1 | 11/7/2023 11:51:07 AM |
| Ethylbenzene | ND | 0.037 | mg/Kg | 1 | 11/7/2023 11:51:07 AM |
| Xylenes, Total | ND | 0.074 | mg/Kg | 1 | 11/7/2023 11:51:07 AM |
| Surr: 4-Bromofluorobenzene | 97.1 | 39.1-146 | %Rec | 1 | 11/7/2023 11:51:07 AM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | 98 | 60 | mg/Kg | 20 | 11/7/2023 11:47:08 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order **2311273**Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: SW03 0-4'

Project: Trunk C Produced Water Release **Collection Date:** 11/3/2023 2:50:00 PM

Lab ID: 2311273-003 **Matrix:** MEOH (SOIL) **Received Date:** 11/7/2023 7:25:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 11/7/2023 10:46:02 AM |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 11/7/2023 10:46:02 AM |
| Surr: DNOP | 94.0 | 69-147 | %Rec | 1 | 11/7/2023 10:46:02 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.9 | mg/Kg | 1 | 11/7/2023 12:14:34 PM |
| Surr: BFB | 93.5 | 15-244 | %Rec | 1 | 11/7/2023 12:14:34 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: JJP |
| Benzene | ND | 0.020 | mg/Kg | 1 | 11/7/2023 12:14:34 PM |
| Toluene | ND | 0.039 | mg/Kg | 1 | 11/7/2023 12:14:34 PM |
| Ethylbenzene | ND | 0.039 | mg/Kg | 1 | 11/7/2023 12:14:34 PM |
| Xylenes, Total | ND | 0.079 | mg/Kg | 1 | 11/7/2023 12:14:34 PM |
| Surr: 4-Bromofluorobenzene | 96.4 | 39.1-146 | %Rec | 1 | 11/7/2023 12:14:34 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | ND | 60 | mg/Kg | 20 | 11/7/2023 11:59:33 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report Lab Order 2311273

Date Reported: 11/13/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: SW03 4-8'

Project: Trunk C Produced Water Release **Collection Date:** 11/3/2023 2:48:00 PM

Lab ID: 2311273-004 **Matrix:** MEOH (SOIL) **Received Date:** 11/7/2023 7:25:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 11/7/2023 11:10:01 AM |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 11/7/2023 11:10:01 AM |
| Surr: DNOP | 95.6 | 69-147 | %Rec | 1 | 11/7/2023 11:10:01 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.7 | mg/Kg | 1 | 11/7/2023 12:37:54 PM |
| Surr: BFB | 92.9 | 15-244 | %Rec | 1 | 11/7/2023 12:37:54 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: JJP |
| Benzene | ND | 0.019 | mg/Kg | 1 | 11/7/2023 12:37:54 PM |
| Toluene | ND | 0.037 | mg/Kg | 1 | 11/7/2023 12:37:54 PM |
| Ethylbenzene | ND | 0.037 | mg/Kg | 1 | 11/7/2023 12:37:54 PM |
| Xylenes, Total | ND | 0.075 | mg/Kg | 1 | 11/7/2023 12:37:54 PM |
| Surr: 4-Bromofluorobenzene | 97.3 | 39.1-146 | %Rec | 1 | 11/7/2023 12:37:54 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | 91 | 60 | mg/Kg | 20 | 11/7/2023 12:11:58 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report Lab Order 2311273

Date Reported: 11/13/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: SW03 8-12'

Project:Trunk C Produced Water ReleaseCollection Date: 11/3/2023 2:46:00 PMLab ID:2311273-005Matrix: MEOH (SOIL)Received Date: 11/7/2023 7:25:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|--------------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 11/7/2023 11:34:00 AM |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 11/7/2023 11:34:00 AM |
| Surr: DNOP | 96.2 | 69-147 | %Rec | 1 | 11/7/2023 11:34:00 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.5 | mg/Kg | 1 | 11/7/2023 1:01:19 PM |
| Surr: BFB | 91.1 | 15-244 | %Rec | 1 | 11/7/2023 1:01:19 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: JJP |
| Benzene | ND | 0.017 | mg/Kg | 1 | 11/7/2023 1:01:19 PM |
| Toluene | ND | 0.035 | mg/Kg | 1 | 11/7/2023 1:01:19 PM |
| Ethylbenzene | ND | 0.035 | mg/Kg | 1 | 11/7/2023 1:01:19 PM |
| Xylenes, Total | ND | 0.070 | mg/Kg | 1 | 11/7/2023 1:01:19 PM |
| Surr: 4-Bromofluorobenzene | 94.6 | 39.1-146 | %Rec | 1 | 11/7/2023 1:01:19 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | 140 | 60 | mg/Kg | 20 | 11/7/2023 12:24:22 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order **2311273**Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: SW04 0-4'

Project: Trunk C Produced Water Release **Collection Date:** 11/3/2023 2:59:00 PM

Lab ID: 2311273-006 **Matrix:** MEOH (SOIL) **Received Date:** 11/7/2023 7:25:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 11/7/2023 11:58:04 AM |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 11/7/2023 11:58:04 AM |
| Surr: DNOP | 96.1 | 69-147 | %Rec | 1 | 11/7/2023 11:58:04 AM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.7 | mg/Kg | 1 | 11/7/2023 1:24:43 PM |
| Surr: BFB | 94.7 | 15-244 | %Rec | 1 | 11/7/2023 1:24:43 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: JJP |
| Benzene | ND | 0.018 | mg/Kg | 1 | 11/7/2023 1:24:43 PM |
| Toluene | ND | 0.037 | mg/Kg | 1 | 11/7/2023 1:24:43 PM |
| Ethylbenzene | ND | 0.037 | mg/Kg | 1 | 11/7/2023 1:24:43 PM |
| Xylenes, Total | ND | 0.074 | mg/Kg | 1 | 11/7/2023 1:24:43 PM |
| Surr: 4-Bromofluorobenzene | 97.4 | 39.1-146 | %Rec | 1 | 11/7/2023 1:24:43 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | ND | 60 | mg/Kg | 20 | 11/7/2023 12:36:47 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order **2311273**Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: SW04 4-8'

Project: Trunk C Produced Water Release **Collection Date:** 11/3/2023 2:56:00 PM

Lab ID: 2311273-007 **Matrix:** MEOH (SOIL) **Received Date:** 11/7/2023 7:25:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 11/7/2023 12:22:11 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 11/7/2023 12:22:11 PM |
| Surr: DNOP | 95.9 | 69-147 | %Rec | 1 | 11/7/2023 12:22:11 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 6.5 | mg/Kg | 1 | 11/7/2023 1:48:05 PM |
| Surr: BFB | 91.8 | 15-244 | %Rec | 1 | 11/7/2023 1:48:05 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: JJP |
| Benzene | ND | 0.032 | mg/Kg | 1 | 11/7/2023 1:48:05 PM |
| Toluene | ND | 0.065 | mg/Kg | 1 | 11/7/2023 1:48:05 PM |
| Ethylbenzene | ND | 0.065 | mg/Kg | 1 | 11/7/2023 1:48:05 PM |
| Xylenes, Total | ND | 0.13 | mg/Kg | 1 | 11/7/2023 1:48:05 PM |
| Surr: 4-Bromofluorobenzene | 95.5 | 39.1-146 | %Rec | 1 | 11/7/2023 1:48:05 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: KCB |
| Chloride | ND | 60 | mg/Kg | 20 | 11/7/2023 12:49:11 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

Benzene

Toluene

Chloride

Ethylbenzene

Xylenes, Total

Analytical Report

Lab Order **2311273**Date Reported: **11/13/2023**

Analyst: JJP

Analyst: KCB

11/7/2023 2:11:32 PM

11/7/2023 1:01:36 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Ensolum LLC Client Sample ID: SW04 8-12'

Project: Trunk C Produced Water Release Collection Date: 11/3/2023 2:53:00 PM

Lab ID: 2311273-008 Matrix: MEOH (SOIL) Received Date: 11/7/2023 7:25:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 11/7/2023 12:46:17 PM 9.8 mg/Kg 1 Motor Oil Range Organics (MRO) 1 ND 49 mg/Kg 11/7/2023 12:46:17 PM Surr: DNOP %Rec 1 11/7/2023 12:46:17 PM 112 69-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 3.9 mg/Kg 1 11/7/2023 2:11:32 PM Surr: BFB 95.4 15-244 %Rec 1 11/7/2023 2:11:32 PM

ND

ND

ND

ND

97.8

230

0.020

0.039

0.039

0.078

60

39.1-146

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

1

1

1

1

1

20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2311273 13-Nov-23

WO#:

Client: Ensolum LLC

Project: Trunk C Produced Water Release

Sample ID: MB-78613 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 78613 RunNo: 101002

Prep Date: 11/7/2023 Analysis Date: 11/7/2023 SeqNo: 3708614 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-78613 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 78613 RunNo: 101002

Prep Date: 11/7/2023 Analysis Date: 11/7/2023 SeqNo: 3708615 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 91.0 90 110

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2311273 13-Nov-23

WO#:

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Sample ID: MB-78610 | SampType: MBLK TestCode: EPA Method | | | | | | od 8015M/D: Diesel Range Organics | | | | |
|--------------------------------|-------------------------------------|-----------------|-----------|-------------|------------------|-----------|-----------------------------------|-----------|----------|------|--|
| Client ID: PBS | Batch | ID: 786 | 10 | F | RunNo: 10 | 00997 | | | | | |
| Prep Date: 11/7/2023 | Analysis Da | nte: 11 | /7/2023 | 5 | SeqNo: 37 | 707263 | Units: mg/K | (g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | | |
| Surr: DNOP | 9.9 | | 10.00 | | 98.6 | 69 | 147 | | | | |
| Sample ID: LCS-78610 | SampTy | pe: LC : | S | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | | |
| Client ID: LCSS | Batch | ID: 786 | 10 | F | RunNo: 10 | 00997 | | | | | |
| Prep Date: 11/7/2023 | Analysis Da | nte: 11 | /7/2023 | 5 | SeqNo: 37 | 707264 | Units: mg/K | (g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Diesel Range Organics (DRO) | 56 | 10 | 50.00 | 0 | 113 | 61.9 | 130 | | | | |
| Surr: DNOP | 4.1 | | 5.000 | | 82.4 | 69 | 147 | | | | |
| Sample ID: 2311273-008AMS | SampTy | pe: MS | | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | | |
| Client ID: SW04 8-12' | Batch | ID: 786 | 10 | F | RunNo: 10 | 00997 | | | | | |
| Prep Date: 11/7/2023 | Analysis Da | nte: 11 | /7/2023 | 5 | SeqNo: 37 | 707609 | Units: mg/K | (g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Diesel Range Organics (DRO) | 50 | 9.5 | 47.71 | 0 | 106 | 54.2 | 135 | | · | · | |
| Surr: DNOP | 3.6 | | 4.771 | | 75.7 | 69 | 147 | | | | |

| Sample ID: 2311273-008AMSD | SampT | SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | Organics | |
|-----------------------------|------------|---|-----------|-------------|-----------|----------|-------------|------|----------|------|
| Client ID: SW04 8-12' | Batch | n ID: 78 6 | 610 | F | RunNo: 10 | 00997 | | | | |
| Prep Date: 11/7/2023 | Analysis D |)ate: 11 | /7/2023 | 5 | SeqNo: 37 | 707610 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 53 | 9.6 | 48.12 | 0 | 110 | 54.2 | 135 | 4.79 | 29.2 | |
| Surr: DNOP | 3.7 | | 4.812 | | 76.5 | 69 | 147 | 0 | 0 | |

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311273**

13-Nov-23

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Sample ID: 2.5ug gro Ics | SampT | SampType: LCS TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--|--|-----------|-------------|-----------|-------------|-------------|------------|----------|------|
| Client ID: LCSS | Batch | n ID: GS | 100993 | F | RunNo: 10 | 00993 | | | | |
| Prep Date: | Analysis D | Date: 11 | /7/2023 | 5 | SeqNo: 37 | 707152 | Units: mg/k | ζg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 95.8 | 70 | 130 | | | |
| Surr: BFB | 2000 | | 1000 | | 196 | 15 | 244 | | | |
| Sample ID: mb | SampType: MBLK TestCode: EPA Method 8 | | | | | 8015D: Gaso | line Range | | | |
| Client ID: PBS | Batch | n ID: GS | 100993 | F | RunNo: 10 | 00993 | | | | |
| Prep Date: | Analysis D | Date: 11 | /7/2023 | S | SeqNo: 37 | 707153 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 940 | | 1000 | | 93.5 | 15 | 244 | | | |
| Sample ID: 2311273-001ams | Samp1 | уре: МЅ | 3 | Tes | tCode: EF | PA Method | 8015D: Gaso | line Range | | |
| Client ID: South 1' | Batch | n ID: GS | 100993 | F | RunNo: 10 | 00993 | | | | |
| Prep Date: | Analysis D | Date: 11 | /7/2023 | (| SeqNo: 37 | 708296 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 14 | 3.1 | 15.41 | 0 | 92.1 | 70 | 130 | | | |
| Surr: BFB | 1200 | | 616.5 | | 193 | 15 | 244 | | | |
| Sample ID: 2311273-001amsd | nsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | | |

| Sample ID: 2311273-001amso | s amp | ype: MS | SD | I es | tCode: El | A Method | 8015D: Gaso | line Range |) | |
|-------------------------------|--------------|----------|-----------|-------------|-----------|----------|-------------|------------|----------|------|
| Client ID: South 1' | Batcl | h ID: GS | 100993 | F | RunNo: 10 | 00993 | | | | |
| Prep Date: | Analysis [| Date: 11 | /7/2023 | 5 | SeqNo: 37 | 708298 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 14 | 3.1 | 15.41 | 0 | 92.3 | 70 | 130 | 0.217 | 20 | |
| Surr: BFB | 1200 | | 616.5 | | 197 | 15 | 244 | 0 | 0 | |

- Value exceeds Maximum Contaminant Level.
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311273** *13-Nov-23*

Client: Ensolum LLC

Project: Trunk C Produced Water Release

| Sample ID: 100ng btex lcs | SampType: LCS TestCode: EPA M | | | PA Method | 8021B: Volati | les | | | | |
|----------------------------|--|----------|-----------|-----------------------|---------------|----------|-------------|------|----------|------|
| Client ID: LCSS | Batch ID: BS100993 RunNo: 100993 | | | | 00993 | | | | | |
| Prep Date: | Analysis [| Date: 11 | /7/2023 | SeqNo: 3707156 | | | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.0 | 0.025 | 1.000 | 0 | 103 | 70 | 130 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 103 | 70 | 130 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 103 | 70 | 130 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 103 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.98 | | 1.000 | | 98.0 | 39.1 | 146 | | | |

| Sample ID: mb | Samp | уре: МЕ | BLK | Tes | PA Method | od 8021B: Volatiles | | | | |
|----------------------------|------------|----------|----------------------|-------------------|-----------|---------------------|--------------------------------------|------|----------|------|
| Client ID: PBS | Batcl | n ID: BS | 100993 RunNo: 100993 | | | | | | | |
| Prep Date: | Analysis [| Date: 11 | /7/2023 | 23 SeqNo: 3707157 | | | : 3707157 Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.96 | | 1.000 | | 96.4 | 39.1 | 146 | | | |

| Sample ID: 2311273-002ams | Samp ⁻ | SampType: MS TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------|-------------------|--|-----------|-------------|-----------|----------|-------------|------|----------|------|
| Client ID: FS03 12.5' | Batc | h ID: BS | 100993 | F | RunNo: 10 | | | | | |
| Prep Date: | Analysis [| Date: 11 | /7/2023 | 5 | SeqNo: 37 | 708444 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.73 | 0.019 | 0.7424 | 0 | 97.8 | 70 | 130 | | | |
| Toluene | 0.73 | 0.037 | 0.7424 | 0 | 98.2 | 70 | 130 | | | |
| Ethylbenzene | 0.74 | 0.037 | 0.7424 | 0 | 99.4 | 70 | 130 | | | |
| Xylenes, Total | 2.2 | 0.074 | 2.227 | 0 | 99.2 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.71 | | 0.7424 | | 96.1 | 39.1 | 146 | | | |

| Sample ID: 2311273-002amsd | SampT | SampType: MSD TestCode: EPA Method 8021B: Volatiles | | | | | | iles | | |
|------------------------------|--------------------|---|-----------|-------------|-----------|----------|-------------|------|----------|------|
| Client ID: FS03 12.5' | Batch ID: BS100993 | | | F | RunNo: 10 | | | | | |
| Prep Date: | Analysis D |)ate: 11 | /7/2023 | 5 | SeqNo: 37 | 708445 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.70 | 0.019 | 0.7424 | 0 | 94.2 | 70 | 130 | 3.70 | 20 | |
| Toluene | 0.71 | 0.037 | 0.7424 | 0 | 95.4 | 70 | 130 | 2.91 | 20 | |
| Ethylbenzene | 0.72 | 0.037 | 0.7424 | 0 | 96.7 | 70 | 130 | 2.76 | 20 | |
| Xylenes, Total | 2.2 | 0.074 | 2.227 | 0 | 98.0 | 70 | 130 | 1.22 | 20 | |
| Surr: 4-Bromofluorobenzene | 0.73 | | 0.7424 | | 97.8 | 39.1 | 146 | 0 | 0 | |

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

Released to Imaging: 3/25/2024 1:25:08 PM

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

| Client Name: Ensolum LLC | Work Order Number | : 2311273 | | RcptNo: | 1 |
|--|----------------------|-------------|----------------|----------------------------|---------------------|
| Received By: Juan Rojas | 11/7/2023 7:25:00 AM | I | Grandy G | | |
| Completed By: Cheyenne Cason | 11/7/2023 7:35:22 AM | İ | Chel | | |
| Reviewed By: 11/07/ | , Z3 | | | | |
| Chain of Custody | | | | | |
| 1. Is Chain of Custody complete? | | Yes 🗹 | No 🗌 | Not Present | |
| 2. How was the sample delivered? | | Client | | | |
| Log In | | _ | | | |
| 3. Was an attempt made to cool the samples? | | Yes 🗹 | No 🗌 | na 🗌 | |
| 4. Were all samples received at a temperature of | f >0° C to 6.0°C | Yes 🗹 | No 🗌 | na 🗆 | |
| 5. Sample(s) in proper container(s)? | | Yes 🗹 | No 🗆 | | |
| 6. Sufficient sample volume for indicated test(s) | ? | Yes 🗹 | No 🗌 | | |
| 7. Are samples (except VOA and ONG) properly | preserved? | Yes 🗹 | No 🗆 | | |
| 8. Was preservative added to bottles? | | Yes 🗌 | No 🗹 | NA 🗌 | |
| 9. Received at least 1 vial with headspace <1/4" | for AQ VOA? | Yes 🗌 | No 🗌 | NA 🗹 | |
| 10. Were any sample containers received broken | ? | Yes | No 🗹 | # of preserved | |
| 11. Does paperwork match bottle labels? | | Yes 🗹 | No 🗆 | bottles checked for pH: | > 12lana natadi) |
| (Note discrepancies on chain of custody) | Cuntodi O | Yes 🗹 | No 🗌 | Adjusted? | r >12 unless noted) |
| 12. Are matrices correctly identified on Chain of C 13. Is it clear what analyses were requested? | ustody? | Yes 🗹 | No 🗆 | , - | / |
| 14. Were all holding times able to be met? | | Yes 🗹 | No 🗆 | Checked by: | 7411/7/ |
| (If no, notify customer for authorization.) | | | | | , , |
| Special Handling (if applicable) | | | | | |
| 15. Was client notified of all discrepancies with the | nis order? | Yes 🗌 | No 🗆 | NA 🗹 | _ |
| Person Notified: | Date: | | | | |
| By Whom: | Via: | eMail [|] Phone [] Fax | ☐ In Person | |
| Regarding: | 4 | no chate at | | | |
| Client Instructions: | | | | | |
| 16. Additional remarks: | | | | | |
| 17. Cooler Information | | | | | |
| | | Seal Date | Signed By | | |
| 1 4.1 Good Not | Present Yogi | | | | |

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| If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility | // |
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ANALYSIS LABORATORY HALL ENVIRONMENTAL Released to Imaging: 3/25/2024 1:25:08 PM

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Project #:

Project Name:

☐ Standard

⊠ Rush

Turn-Around Time:

Same Pay

Tel. 505-345-3975 Fax 505-345-4107

| Time: | | Time: | | | | | 1453 | 1456 | 1459 | 9441 | 8441 | 1450 | 1438 | 西 | 120P Time | | (Type) | AC | tation: | dard | Package: | r Fax#: | #: 214- |
|------------------|-------------------------|-------------------|----------|---|---|----------|---------------------------------------|----------|----------|--------------|----------|-------|----------|----------|-------------------------|---------------------------|--------------|---------|-----------------|-----------------------------|---------------------|---------------------|------------------|
| Relinquished by: | R | Relinquished by: | | | | | (| | | | | | | 801 | Matrix | | | □ Other | □ Az Co | | | klowery(| 214-733-3165 |
| ed by: | | ed by: | | | | | (| | 5w04 | - | | 5w 03 | FS03 | South | Sample Name | | | | Az Compliance | □ Level 4 (Full Validation) | | klowery@ensolum.com | |
| | 8 | > | | | | | 8-72 | 4-8 | 4-10 | 8-12 | 4-8 | 0-4 | 125 | 1 | Depth | | | | | llidation) | | | |
| Received by: | hmmy) | Received by: | | | | | 1 | 2 | 1 | 7 | 1 | 1 | 2 | Jar 2 | Container Type and # | Cooler Temp(including OF) | # of Coolers | On Ice: | Sampler: haru | | | Project Manager: | 0387 |
| ,Via:V | M.A.S. 80 | Via: | | | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | N | | | | | icelcool | Preservative Type | Plincluding OFM L | | _D¥es | apru Shiman | | | | 0387776316 |
| Date Time | 11/10/23 1000 | Date Time | | | | | 008 | 87 | 006 | OC . | cel | 883 | 67 | 81 | 78/1273 | 4.0七二と4.1 | 4000 | INO | nada | | | Kelly Lowery | |
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| Č | tilon | Tom | | | | | | | | | | | | | RCRA | _ | | | 027 | 00 | IIVIO | | |
| Č | Email: tjlong@eprod.com | Bill to: Tom Long | | | | \vdash | | | | | | | | × | CI)F, E | | | | NO ₂ | , P | O ₄ , \$ | SO ₄ | Analysis Request |
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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 295770

QUESTIONS

| Operator: | OGRID: | | | | |
|--------------------------------|---|--|--|--|--|
| Enterprise Field Services, LLC | 241602 | | | | |
| PO Box 4324 | Action Number: | | | | |
| Houston, TX 77210 | 295770 | | | | |
| | Action Type: | | | | |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | | | | |

QUESTIONS

| Prerequisites | | | | | |
|------------------|-------------------------------------|--|--|--|--|
| Incident ID (n#) | nAPP2329035104 | | | | |
| Incident Name | NAPP2329035104 TRUNK C @ 0 | | | | |
| Incident Type | Natural Gas Release | | | | |
| Incident Status | Remediation Closure Report Received | | | | |

| Location of Release Source | | | | | | |
|--|------------|--|--|--|--|--|
| Please answer all the questions in this group. | | | | | | |
| Site Name | TRUNK C | | | | | |
| Date Release Discovered | 10/17/2023 | | | | | |
| Surface Owner | Federal | | | | | |

| Incident Details | |
|--|---------------------|
| Please answer all the questions in this group. | |
| Incident Type | Natural Gas Release |
| Did this release result in a fire or is the result of a fire | No |
| Did this release result in any injuries | No |
| Has this release reached or does it have a reasonable probability of reaching a watercourse | No |
| Has this release endangered or does it have a reasonable probability of endangering public health | No |
| Has this release substantially damaged or will it substantially damage property or the environment | No |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No |

| Nature and Volume of Release | | | | | | |
|--|--|--|--|--|--|--|
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | | | | | | |
| Crude Oil Released (bbls) Details | Not answered. | | | | | |
| Produced Water Released (bbls) Details | Not answered. | | | | | |
| Is the concentration of chloride in the produced water >10,000 mg/l | Not answered. | | | | | |
| Condensate Released (bbls) Details | Cause: Corrosion Pipeline (Any) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL. | | | | | |
| Natural Gas Vented (Mcf) Details | Not answered. | | | | | |
| Natural Gas Flared (Mcf) Details | Not answered. | | | | | |
| Other Released Details | Not answered. | | | | | |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. | | | | | |

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV**

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

QUESTIONS, Page 2

Action 295770

| 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 | Fe, NM 8/505 | | | | |
|---|--|--|--|--|--|
| QUESTI | ONS (continued) | | | | |
| Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210 | OGRID: 241602 Action Number: 295770 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | | | | |
| QUESTIONS | | | | | |
| Nature and Volume of Release (continued) | | | | | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | More info needed to determine if this will be treated as a "gas only" report. | | | | |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | No | | | | |
| Reasons why this would be considered a submission for a notification of a major release | Unavailable. | | | | |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. | e. gas only) are to be submitted on the C-129 form. | | | | |
| Initial Response | | | | | |
| The responsible party must undertake the following actions immediately unless they could create a s | afety hazard that would result in injury | | | | |
| The source of the release has been stopped | True | | | | |
| The impacted area has been secured to protect human health and the environment | True | | | | |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True | | | | |
| All free liquids and recoverable materials have been removed and managed appropriately | True | | | | |
| If all the actions described above have not been undertaken, explain why | Not answered. | | | | |
| | ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission. | | | | |
| to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a | knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or | | | | |

Name: Thomas Long

Email: tjlong@eprod.com

Title: Sr Field Environmental Scientist

Released to Imaging: 3/25/2024 1:25:08 PM

I hereby agree and sign off to the above statement

District I
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 295770

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------------------|---|
| Enterprise Field Services, LLC | 241602 |
| PO Box 4324 | Action Number: |
| Houston, TX 77210 | 295770 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Site Characterization | |
|--|---|
| Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date. | l and beyond). This information must be provided to the appropriate district office no later than 90 days after the |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.) |
| What method was used to determine the depth to ground water | U.S. Geological Survey |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release ar | nd the following surface areas: |
| A continuously flowing watercourse or any other significant watercourse | Between 1000 (ft.) and ½ (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Greater than 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Between 1 and 5 (mi.) |
| A wetland | Between 1000 (ft.) and ½ (mi.) |
| A subsurface mine | Between 1 and 5 (mi.) |
| An (non-karst) unstable area | Between 1 and 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Between 1000 (ft.) and ½ (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

| Remediation Plan | |
|--|--|
| Please answer all the questions that apply or are indicated. This information must be provide | ided to the appropriate district office no later than 90 days after the release discovery date. |
| Requesting a remediation plan approval with this submission | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contam | nination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| Soil Contamination Sampling: (Provide the highest observable value for each, | , in milligrams per kilograms.) |
| Chloride (EPA 300.0 or SM4500 Cl B) | 230 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 50 |
| GRO+DRO (EPA SW-846 Method 8015M) | 14.3 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0.1 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0.1 |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes con which includes the anticipated timelines for beginning and completing the remediation. | mpleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, |
| On what estimated date will the remediation commence | 10/19/2023 |
| On what date will (or did) the final sampling or liner inspection occur | 11/03/2023 |
| On what date will (or was) the remediation complete(d) | 11/03/2023 |
| What is the estimated surface area (in square feet) that will be reclaimed | 351 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 800 |
| What is the estimated surface area (in square feet) that will be remediated | 351 |
| What is the estimated volume (in cubic yards) that will be remediated | 800 |
| These estimated dates and measurements are recognized to be the best guess or calculation | on at the time of submission and may (be) change(d) over time as more remediation efforts are completed. |
| The OCD recognizes that proposed remediation measures may have to be minimally adjust | ted in accordance with the physical realities encountered during remediation. If the responsible party has any need to |

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV**1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 295770

QUESTIONS (continued)

| Operator: | OGRID: | | | | |
|--------------------------------|---|--|--|--|--|
| Enterprise Field Services, LLC | 241602 | | | | |
| PO Box 4324 | Action Number: | | | | |
| Houston, TX 77210 | 295770 | | | | |
| | Action Type: | | | | |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | | | | |

QUESTIONS

| Remediation Plan (continued) | | | |
|---|---|--|--|
| Please answer all the questions that apply or are indicated. This information must be provided to the | appropriate district office no later than 90 days after the release discovery date. | | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | | | |
| (Select all answers below that apply.) | (Select all answers below that apply.) | | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes | | |
| Which OCD approved facility will be used for off-site disposal | Not answered. | | |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. | | |
| OR is the off-site disposal site, to be used, out-of-state | Not answered. | | |
| OR is the off-site disposal site, to be used, an NMED facility | Yes | | |
| What is the name of the NMED facility | Lea Lands | | |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. | | |
| (In Situ) Soil Vapor Extraction | Not answered. | | |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. | | |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. | | |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. | | |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. | | |
| OTHER (Non-listed remedial process) | Not answered. | | |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement

Name: Thomas Long
Title: Sr Field Environmental Scientist
Email: tjlong@eprod.com
Date: 12/18/2023

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 5

Action 295770

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------------------|---|
| Enterprise Field Services, LLC | 241602 |
| PO Box 4324 | Action Number: |
| Houston, TX 77210 | 295770 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| | Deferral Requests Only | |
|--|--|---|
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. | | the following items must be confirmed as part of any request for deferral of remediation. |
| | Requesting a deferral of the remediation closure due date with the approval of this submission | No |

District I

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 295770

| Ol | JEST | TONS | (continued | ١ |
|----|-------------|------|------------|---|
| | | | | |

| Operator: | OGRID: |
|--------------------------------|---|
| Enterprise Field Services, LLC | 241602 |
| PO Box 4324 | Action Number: |
| Houston, TX 77210 | 295770 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Sampling Event Information | | |
|---|------------|--|
| Last sampling notification (C-141N) recorded | 295787 | |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/19/2023 | |
| What was the (estimated) number of samples that were to be gathered | 10 | |
| What was the sampling surface area in square feet | 200 | |

| Remediation Closure Request | | | |
|--|------|--|--|
| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. | | | |
| Requesting a remediation closure approval with this submission | Yes | | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes | | |
| Was this release entirely contained within a lined containment area | No | | |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes | | |
| What was the total surface area (in square feet) remediated | 351 | | |
| What was the total volume (cubic yards) remediated | 800 | | |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes | | |
| What was the total surface area (in square feet) reclaimed | 351 | | |
| What was the total volume (in cubic yards) reclaimed | 800 | | |
| Summarize any additional remediation activities not included by answers (above) | None | | |

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Thomas Long
Title: Sr Field Environmental Scientist
Email: tjlong@eprod.com
Date: 12/18/2023

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 7

Action 295770

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------------------|---|
| Enterprise Field Services, LLC | 241602 |
| PO Box 4324 | Action Number: |
| Houston, TX 77210 | 295770 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Reclamation Report | |
|---|----|
| Only answer the questions in this group if all reclamation steps have been completed. | |
| Requesting a reclamation approval with this submission | No |

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 295770

CONDITIONS

| Operator: | OGRID: |
|--------------------------------|---|
| Enterprise Field Services, LLC | 241602 |
| PO Box 4324 | Action Number: |
| Houston, TX 77210 | 295770 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|-------------------|
| rhamlet | We have received your Remediation Closure Report for Incident #NAPP2329035104 TRUNK C, thank you. This Remediation Closure Report is approved. The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical. | 3/25/2024 |
| rhamlet | Pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil. | 3/25/2024 |
| rhamlet | Information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website. | 3/25/2024 |