

Closure Report

WDDU # 42

NMOCD Incident No. NGR0433653517

Lea County, New Mexico

January 8, 2026 | Project No. AR257051

Prepared for:
Scout Energy Management, LLC
13800 Montfort Dr.
Dallas, TX 75240



Nationwide
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- Facilities
- Environmental
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January 8, 2026

Scout Energy Management, LLC.
13800 Montfort Dr.
Dallas, TX 75240

Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico, NM 87505

RE: Closure Report
West Dollarhide Drinkard Unit (WDDU) #42
Unit A, Section 32, Township 24 South, Range 38 East
32.1792603°, -103.0761108°
Case Number No. 1RP-2142
NMOCD Incident No. nPRS0433653517
Lea County, New Mexico
Terracon Project No. AR257051

Terracon Consultants, Inc. (Terracon) is pleased to submit this Closure Report on behalf of Scout Energy Management, LLC., (Scout) for the site referenced above. The report is prepared in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations governing Oil and Gas Releases (19.15.29 NMAC).

On April 21, 2025, Scout submitted an application to the Texas Railroad Commission (RRC) under the "Produced Water Beneficial Reuse Framework for Pilot Study Authorization dated January 8, 2024". The application proposed removal of 18,000 cubic yards of produced water impacted soils from Scout leases in New Mexico (NM) and transporting the soils to Scout leases in Texas (TX) for use in repairing well pads and lease roads.

NMOCD approved the plan in October 2024, and on June 4, 2025, the RRC issued Letter of Authorization (20250604-LOA-0042-Permit) for a pilot project in accordance with Texas Administration Code (TAC) Title 16, Part1, Chapter 3.8 (Statewide Rule 8). A copy of LOA-0042 is included in Appendix A and NMOCD and RRC email correspondence is included in Attachment 1. A brief chronology of project history is included below.

- **December 1, 2004:** A 3-inch fiberglass line developed a leak in the valve box, releasing approximately 35 barrels (bbls) of produced water. Chevron was the operator at the time of the release.
- **October 1, 2021:** Scout assumes the WDDU lease.
- **October 11, 2024:** Scout requested NMOCD authorization to haul impacted soil from Scout owned properties in New Mexico to Scout owned properties in Texas.
- **October 30, 2024:** Scout obtained NMOCD approval to haul impacted soil from New Mexico to Texas.
- **November 14, 2024:** Scout requested RRC approval to bring affected soil from New Mexico to Texas.
- **April 21, 2025:** Scout submitted the pilot study application to the RRC.

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- **April 29, 2025:** Terracon submitted a remediation Work Plan to NMOCD.
- **May 6, 2025:** NMOCD approved the Remediation Work Plan via email.
- **June 4, 2025:** RRC issued Letter of Authorization (20250604-LOA-0042-Permit) for soil transport and reuse.
- **June 16, 2025:** RRC revised permit 20250604-LOA-0042 that superseded the LOA issued for June 4, 2025. The revised permit included updated soil testing parameters.
- **July 25, 2025:** Scout requested a variance request via email from the NMOCD and NMSLO to increase the confirmation sampling from 200 sq. ft. to 400 sq. ft. Th request was approved by both agencies.
- **August 5, 2025:** Remedial activities commenced at WDDU Water Station.
- **October 9, 2025:** RRC amended permit 20250604-LOA-0042 that superseded the LOA issued for June 16, 2025. This revision increased the allowable volume of soil to be transported from 18,000 to 25,000 cubic yards.
- **November 21, 2025:** Remedial activities were completed.

We believe the work described in the attached closure report completes the remedial requirements for the site, and we respectfully request NMOCD consider the incident # nPRS0433653517 closed.

Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon

A handwritten signature in black ink, appearing to read 'John Grams', is positioned above the typed name.

Chuck Smith
Senior Project Manager

John Grams, PG (TX)
Senior Geologist

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- Exhibit 1 – Topographic Map
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- Exhibit 5 – Cave Karst Public UCP Map
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TABLES & Attachments

- Table 1 – Confirmation Sample Results
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- Attachment 1 – NMOCD and RRC Email Correspondence
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APPENDICES

- Appendix A – RRC Permit-LOA 0042
- Appendix B – NMSLO Cultural Resources Cover Sheet
- Appendix C – Desktop Protected Species Review
- Appendix D – Photo Log
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- Appendix F – Laboratory Analytical Reports and Chain of Custody
- Appendix G – Terracon Standard of Care, Limitation, and Reliance

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1.0 Site Information

The following table provides detailed information regarding the produced water release at the WDDU Water Station site in Lea County, New Mexico. A notice of the Release was provided to the NMOCD on December 1, 2004, with the submission of the initial C-141, (NMOCD Reference ID: nPRS0433653517).

Required Information	Site and Release information	
Responsible Party:	The site is currently operated by Scout Energy Management, LLC. OGRID #: 330949	
Local Contact:	Contact: Mr. Spencer Jackson	P: (972) 505-3842 E: spencer.jackson@scoutep.com
Site Name API #	West Dollarhide Drinkard Unit (WDDU) #42 30-025-12321	
Facility Description:	WDDU #042, Incident No. nPRS0433653517 is a former well location located in Lea County, New Mexico. It is an area located within Unit A, Section 32, Township 24 South, Range 38 East, approximately 8.10 miles northeast of Jal, New Mexico. The area around the site is predominantly undeveloped native State-owned pastureland. A Topographic Map and Site location Map are included in Appendix A, Exhibit 1, and Exhibit 2, respectively.	
Lease #	B096130006	
Lessee:	Scout Energy Management, LLC.	
NMOCD Incidents:	Chevron, the prior operator of the site, reported an incident which occurred on December 1, 2004. The incident involved a 3-inch fiberglass line that leaked in the valve box releasing approximately 35 bbls of produced water and 3 bbls of crude oil. As per the C-141 "The fluid ran down the lease road east and south approximately 1000' by 2' wide area and produced water ran off location approximately 450' x 30" in the pasture".	
Type of Discharge:	Produced Water & Crude Oil / Incident ID No: nPRS0433653517	
Quantity Spilled:	Total Fluids: 38 bbls	Volume recovered: 10 bbls
Site Characteristics:	Relatively flat with drainage following the natural ground surface; sloping southeasterly.	
Immediate Corrective Actions:	The Initial C-141 Form stated the line was shut in and 10 bbls of water was recovered.	

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2.0 General Site Characteristics

	Site Ranking Characteristics		
Groundwater NMOSE Pod Location Map (Exhibit 3)	<p><u>Boring Information:</u> (Trinity Oilfield Services Boring Log SB-04) <u>Depth of Well:</u> 102 ft. bgs <u>Depth to Water:</u> >102 ft. bgs <u>Distance to Well:</u> 0.50 miles to the southeast <u>Date Drilled:</u> September 7, 2022. Boring log included as Attachment 2. Groundwater in the area of the site is predominately used for agriculture, industrial, or domestic use.</p>		
Surface Water Assessment (refer to Regulatory Criteria Map Exhibit 4)	Distance to nearest significant watercourse	Monument draw is located approximately 1.5 miles west of the site. The nearest feature identified as a freshwater emergent wetland is approximately 1,600 feet northeast of the site.	
	YES	NO	
		NO	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
		NO	Within 200 feet of any lakebed, sinkhole or playa lake
		NO	within 300 feet from an occupied permanent residence, school, hospital, institution or church
		NO	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
		NO	Within 1,000 feet of any fresh water well or spring
		NO	Within incorporated municipal boundaries or fresh water well field
		NO	Within 300 feet of a wetland
		NO	Within the area overlying a subsurface mine
		NO	Within an unstable area
		NO	Within a 100-year floodplain Comment: FEMA Flood Map indicates the site is in Zone D, including areas with possible flood hazards, but because no flood hazard analysis has been conducted to determine probability, the flood risk in these areas is undetermined.
Desktop Cultural Resources Assessment (Appendix B)	Terracon conducted a desktop cultural resources assessment in compliance with the Cultural Properties Protection Rule (19.2.24 NMAC). Based on the available information and the results of the review, Terracon does not recommend further archaeological surveys at this time.		

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Desktop Protected Species Habitat Review (Appendix C)	Terracon conducted a Protected Species Habitat Desktop Review. The results are summarized in Section 6.
Karst Characterization Cave Karst Public UCP Map (Exhibit 5)	A review of geospatial data obtained from the Bureau of Land Management (BLM) Carlsbad Field Office website indicated that the site is within an area of low risk for Karst formations.

3.0 Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). Standards governing the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities are contained in 19.15.29 NMAC.

Closure Criteria for Soils Impacted by a Release

The below table below lists the closure criteria for BTEX (includes benzene, toluene, ethylbenzene, and xylenes), benzene, chlorides and Total Petroleum Hydrocarbons (TPH) (GRO+DRO+ORO), as defined within Table 1 of New Mexico Administration Code (NMAC) 19.15.29.12 for releases where depth to water is greater than 100 feet bgs.

Parameters	Closure Criteria	Analytical Method
Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX)	50 mg/kg	EPA Method 8021B
Benzene	10 mg/kg	EPA Method 8021B
Chlorides	20,000 mg/kg	EPA Method 300
Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO	2,500 mg/kg	EPA Method 8015M
TPH (GRO+DRO)	1,000 mg/kg	EPA Method 8015M

Soil Reclamation Standards (<4 ft)

Additionally, in accordance with the NMOCD guidance document *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)*, dated September 6, 2019, the following reclamation requirements apply to surface soils at depths of 0-4 feet bgs:

Parameters	Closure Criteria	Analytical Method
Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX)	50 mg/kg	EPA Method 8021B
Benzene	10 mg/kg	EPA Method 8021B
Chlorides	600 mg/kg	EPA Method 300
Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO	100 mg/kg	EPA Method 8015M
TPH (GRO+DRO)	100 mg/kg	EPA Method 8015M

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4.0 Site Assessment/Delineation

On December 26, 2024, Terracon conducted an assessment of the off pad inferred release area and submitted the results to the NMOCD in a Remediation Workplan dated April 29, 2025. The NMOCD subsequently approved the remediation work plan on May 6, 2025. The remediation plan identified concentrations of Chloride and TPH that exceeded NMOCD closure criteria at depths from the surface to approximately 1.0 feet bgs.

5.0 Cultural Resources Compliance

In order to comply with 1.10.15 NMAC and New Mexico State Land Office (NMSLO) requirements, an Archaeological Records Management Section (ARMS) Review was completed for the remediation area. The results of this work were reported in the Terracon *Cultural Resources Assessment Report* dated August 28, 2024. As stated in this report, no archaeological sites were identified within the Project Area and Survey Area.

No unanticipated cultural materials were encountered during construction or disturbance activities. The Cultural Resources Assessment Report cover sheet is included in Appendix B.

6.0 Sensitive Species Compliance

A Protected Species Habitat Desktop Review was conducted and submitted in the Terracon report titled *Desktop Protected Species Habitat Assessment*, dated March 12, 2025 (Appendix C). This review presents the following summary:

State-Listed Species

- No potentially suitable habitat for state-listed species identified.
- If state-listed species are encountered during the project, halt activity and consult a qualified biologist for mitigation.

BGEPA (Bald and Golden Eagle Protection Act)

- No suitable foraging or nesting habitat for bald or golden eagles identified.
- Development within the project area is unlikely to result in eagle "take" under BGEPA.

MBTA (Migratory Bird Treaty Act)

- Project area may provide suitable nesting habitat for MBTA-protected bird species. Species on NMDFG Official List, including the Western burrowing owl and common nighthawk, could potentially nest in the area.

USFWS IPaC (Federally Listed Species)

- No suitable habitat for federally protected species, sensitive habitats, or designated critical habitats identified.
- Project area may offer marginal stop-over habitat for the monarch butterfly (proposed threatened species).

The common nighthawk typically nests during late spring through mid-summer, with primary nesting season in southeastern New Mexico occurring from May through July. The remediation work was performed outside the nighthawk nesting season, which significantly reduces the likelihood of adverse impacts to this species. The timing of work aligns with seasonal restrictions commonly applied to protect

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ground-nesting birds. Furthermore, no ground-nesting birds were observed during the remediation work.

7.0 Remediation, Reclamation and Closure Activities

Remediation activities at the site were conducted from July 21, 2025, through November 21, 2025. This work consisted of excavation and removal of soil that exceeded NMOCD closure criteria. The material remaining in place does not exceed NMOCD closure criteria.

A sampling variance request was submitted to the NMOCD dated July 25, 2025. The NMOCD responded via email dated July 25, 2025, stating "*The alternative confirmation sampling plan taking confirmation samples of no more than 400 square feet is approved*".

A total area estimated at 4,630 square feet (sq. ft.) was excavated to a depth of between 1.0 to 4.0-foot bgs. The excavated material was stockpiled on site and transported to TRRC approved treatment sites Dollarhide Unit 708 CT (API #00337041), Dollarhide Unit 715 CT (API #00337053), and Dollarhide Unit 849 D (API #00304993) in Andrews County, TX. An estimated total of 452 cubic yards (cu. yds.) of affected soil was transported to the three Dollarhide units, Unit 708 CT (360 cu. yds.), Unit 715 CT (72 cu. yds.) and Unit 849 D (20 cu. yds.). Bills of Lading are included in Appendix E.

In compliance with the approved NMOCD confirmation sampling variance, a total of 16 five-point composite floor samples were collected from twelve locations (CFS-1 through CFS-12) on 400 square foot intervals and were submitted to a laboratory to be analyzed for BTEX, Chloride and TPH. All of the sample results for these samples were below the NMOCD closure criteria for BTEX, and TPH. Ten of the confirmation floor samples (CFS-1 through CFS-3, and CFS-6 through CFS-12) were below the closure criteria for Chloride. Four confirmation floor samples CFS-4 (2.0-2.5 ft), CFS-4.2 (3.0-3.5 ft), CFS-5 (2.0-2.5 ft) and CFS-5.1 (3.0-3.5 ft) exceeded the NMOCD closure criteria for Chloride ranging from 617 mg/kg in sample CFS-4 (2.0-2.5 ft) and 2,090 mg/kg in sample CWS-4.1 (3.0-3.5 ft) bgs. The floor sample exceedance areas were excavated to a depth of 4.0 feet. Floor samples CFS-2 (4.0-4.5 ft) and CFS-5.2 (4.0-4.5 ft), collected from the additional excavation areas, were below the NMOCD closure criteria

The perimeter of the excavation was approximately 320 linear feet. A total of 2 five-point composite confirmation wall soil samples were collected from 2 sample locations (CWS-1 through CWS-2) on 400 square foot intervals. The soil samples collected were submitted for analysis of BTEX, Chloride and TPH. The sample results for these samples were below the NMOCD closure criteria for BTEX, Chloride and TPH.

Once the closure criteria were attained, the excavation was backfilled to approximate pre-existing natural grade with approximately 40 cubic yards of suitable Caliche, and 280 cubic yards of suitable topsoil backfill material. A sample of the Caliche backfill material (CBP-01) and top-soil backfill (TBP-01) was collected and analyzed for BTEX, Chloride and TPH to evaluate suitability. The results of these backfill samples were below the laboratory detection limits for BTEX and TPH. Chloride was detected with concentrations of 51.4 mg/kg and 98.5 mg/kg, well below the NMOCD action levels.

The material remaining in place does not exceed NMOCD closure criteria. A Confirmation Sample Location Map depicting the confirmation sample locations and excavation areas is included in Exhibit 6. Confirmation floor and wall sample results and backfill sample results are provided in Table 1 and Table

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2, respectively. A photographic log is provided in Appendix D. The laboratory analytical reports along with the chain of custody are provided in Appendix F. Terracon's Standard of Care, Limitations and Reliance is included as Appendix G.

8.0 Revegetation and Restoration

The disturbed area of approximately 9,800 square feet was reseeded via broadcast application with SLO approved seed mix for sandy loam (SL) soil. To evaluate the success of the revegetation at the site, Terracon will conduct a vegetation density survey of the undisturbed area to the northwest of the site. Following the background vegetation density survey, Terracon will conduct a vegetation density survey of the reclaimed area yearly to determine the success of the revegetation.

The vegetation density survey will utilize a line transect count method, which consists of laying out two 50-meter survey lines parallel to each other approximately 1 meter apart with a quadrat placed every 5 meters. Each meter-by-meter quadrat will be photographed and a count of all vegetation that is fully within the boundaries of the quadrat will be utilized to determine foliar cover of the undisturbed and reclaimed areas. The total vegetation count will then be evaluated for upper and lower competency limits so that our data is statistically significant. A proposed Vegetative Study Map is included in Exhibit 7.

Following confirmation that uniform vegetation cover has been established that reflects a life-form ration of plus or minus fifty percent of the pre-disturbance levels and the total percent plant cover of at least seventy percent of the pre-disturbance levels, excluding noxious weeds or a vegetative cover approved by the SLO, Terracon will consider the restoration at the site complete.

9.0 Conclusions

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete and the material remaining in place does not exceed NMOCD closure criteria. Considering these findings, Scout Energy Management, LLC. respectfully requests regulatory closure of the incident nPRS0433653517, which occurred at WDDU #42.

EXHIBITS

Exhibit 1 – Topographic Map

Exhibit 2 – Site Location Map

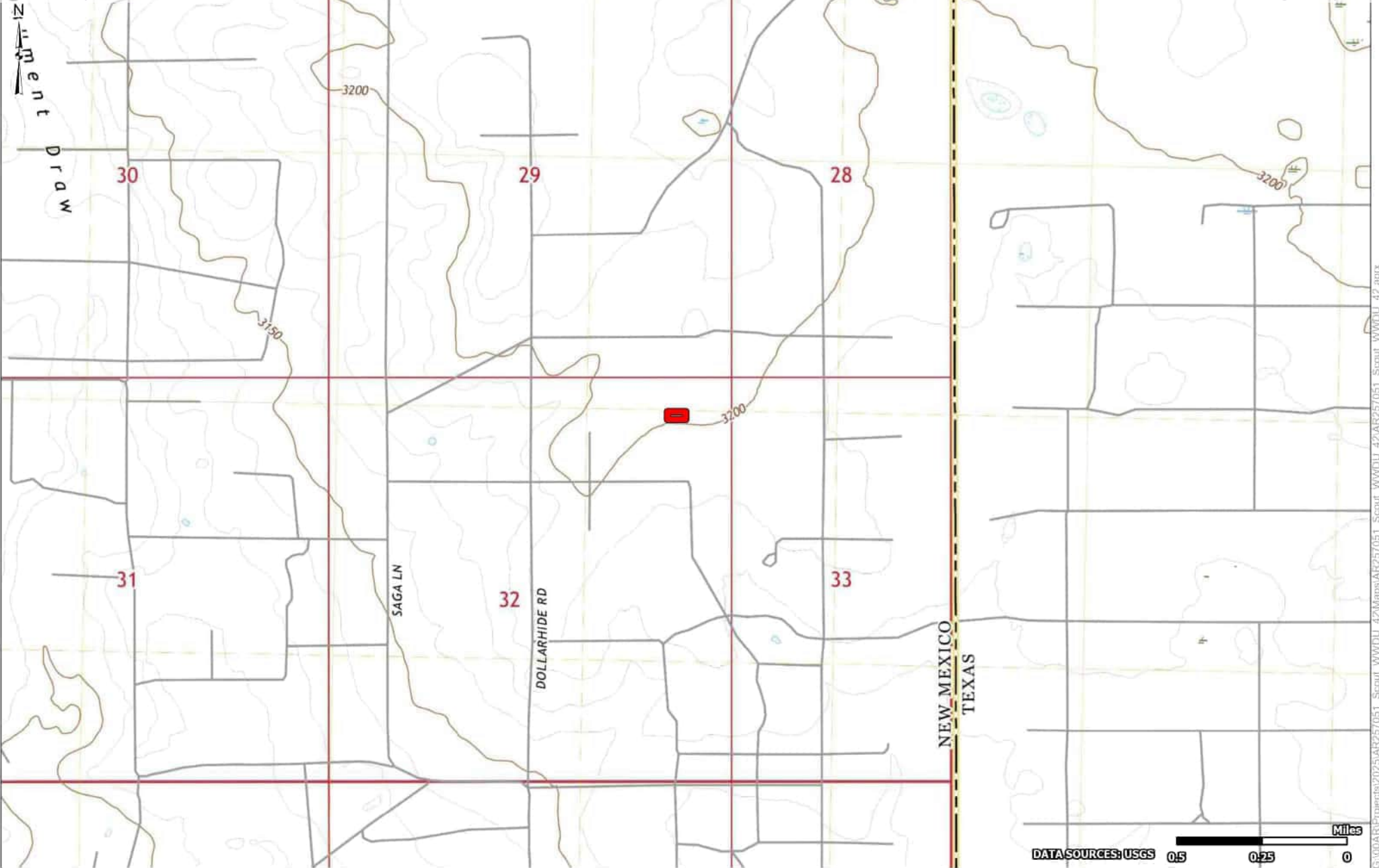
Exhibit 3 – NMOSE Pod Location Map

Exhibit 4 – Regulatory Criteria Map

Exhibit 5 – Cave Karts Public UCP Map

Exhibit 6 – Delineation Sample Location Map

Exhibit 7 – Confirmation Sample Location Map



DATA SOURCES: USGS 0.5 0.25 0 Miles



Site Boundary

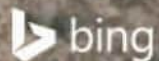
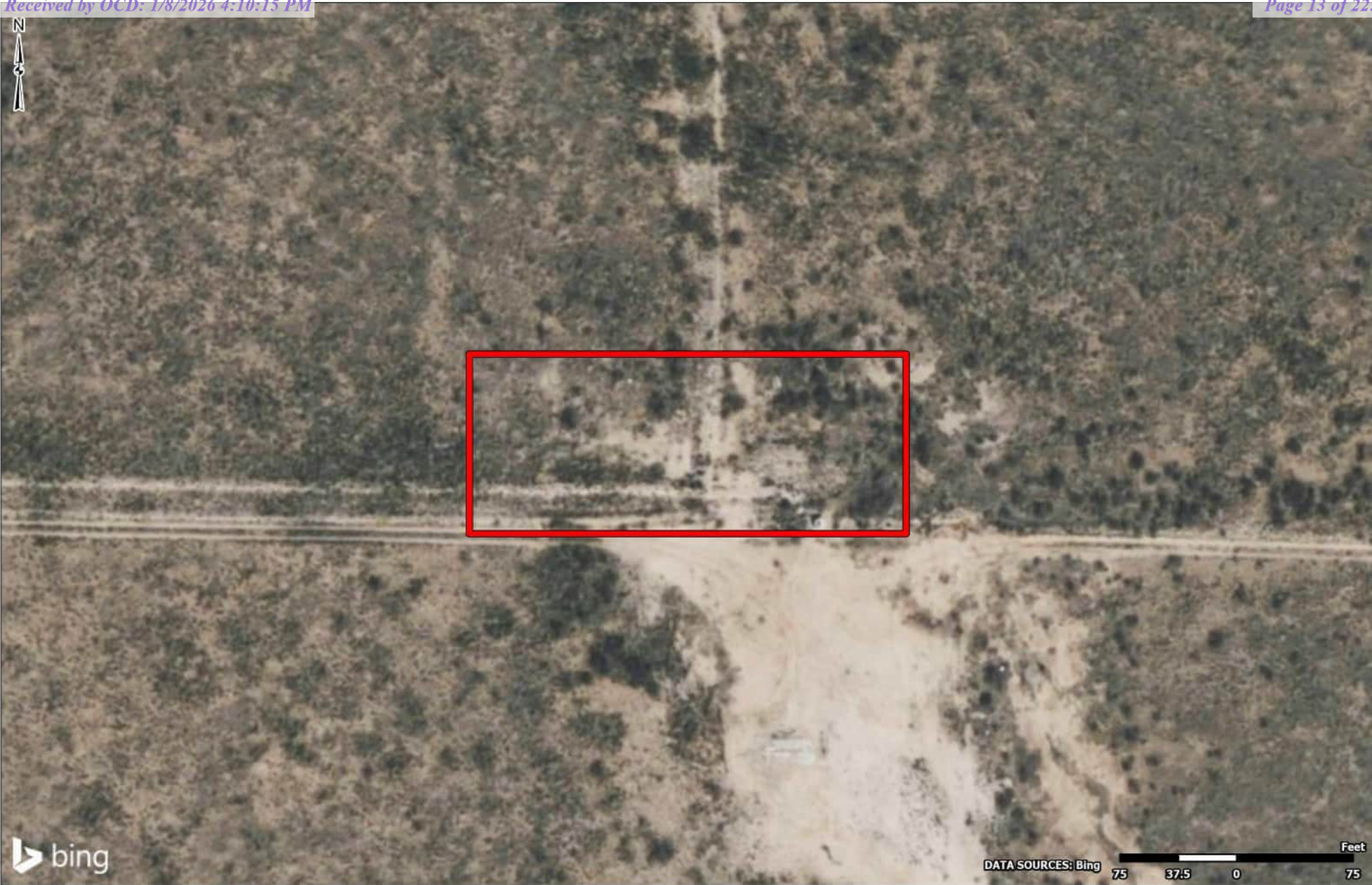
Project No.: AR257051
 Date: Dec 02 2025
 Drawn By: JWL
 Reviewed By: CFS

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 5847 50th St
 Lubbock, TX
 PH. 806-300-0140 terracon.com

Topographic Map
 WDDU #42
 Incident # NPRS0433653517
 32.179328, -103.076061
 Scout Energy Management, LLC
 Jal, Lea County, New Mexico

Exhibit
 1

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DATA SOURCES: Bing Feet
75 37.5 0 75



Site Boundary

Project No.:	AR257051
Date:	Dec 02 2025
Drawn By:	JWL
Reviewed By:	CFS



5847 50th St
Lubbock, TX

PH. 806-300-0140

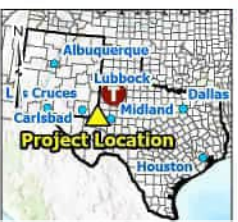
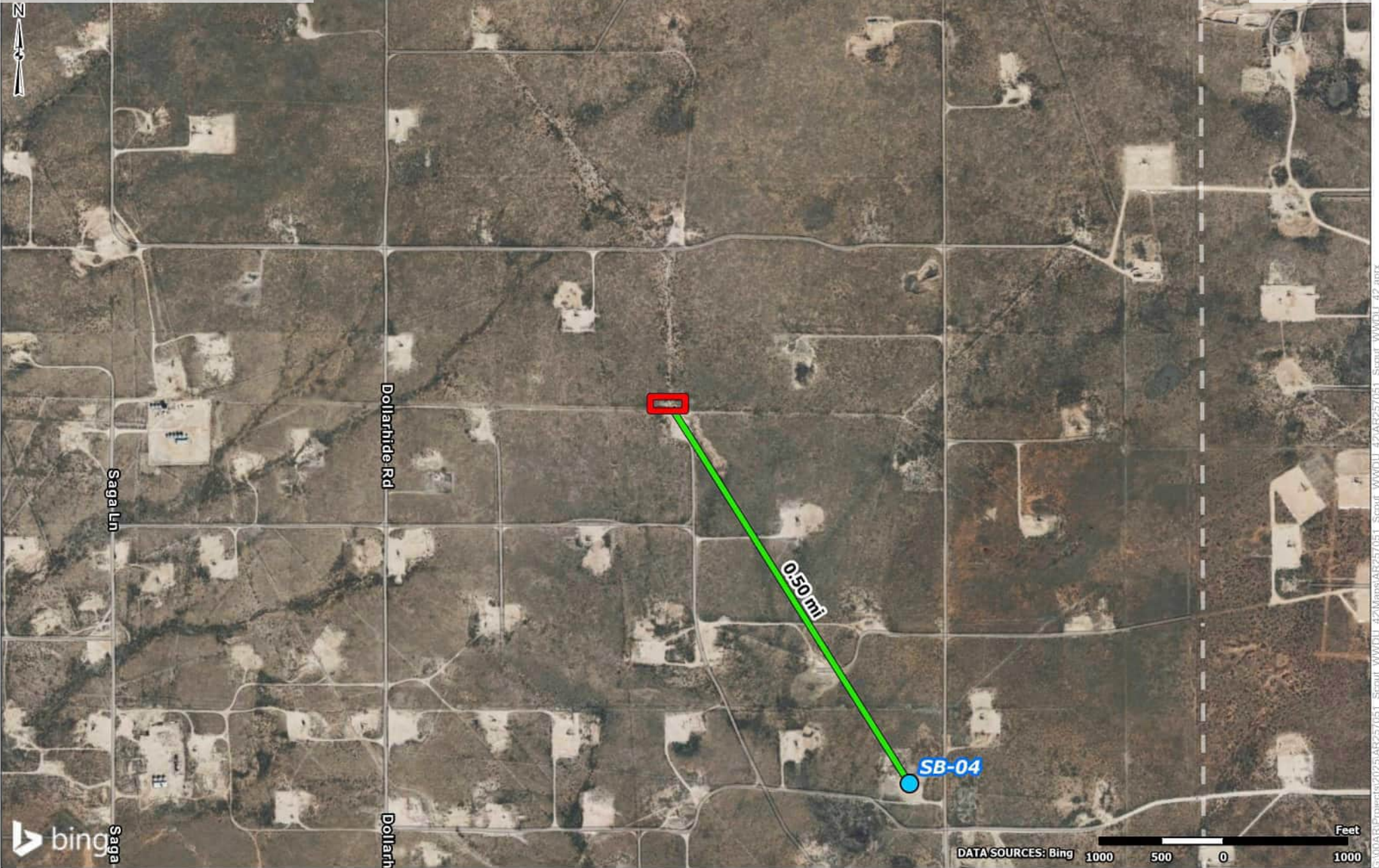
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Site Location Map

WDDU #42
 Incident # NPRS0433653517
 32.179328, -103.076061
 Scout Energy Management, LLC
 Jal, Lea County, New Mexico

Exhibit

2



- Site Boundary
- Boring Location

Project No.:
AR257051

Date:
Dec 02 2025

Drawn By:
JWL

Reviewed By:
CFS



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Lubbock, TX

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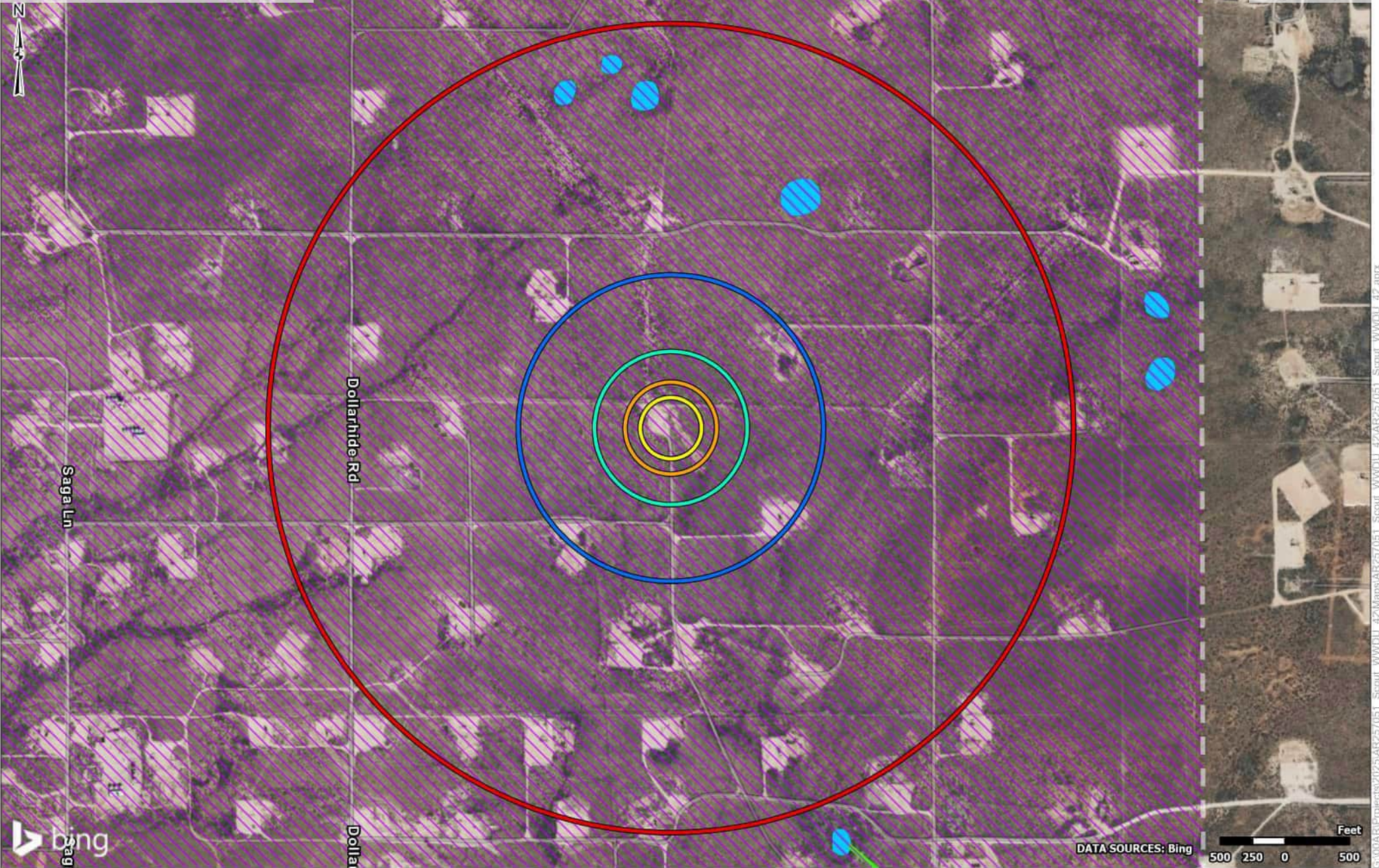
NMOSE POD Location Map

WDDU #42
Incident # NPRS0433653517
32.179328, -103.076061
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Jal, Lea County, New Mexico

Exhibit

3

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- Freshwater Emergent Wetland
- Riverine
- 200' Radius
- 300' Radius
- 500' Radius
- 1,000' Radius
- 0.5-mi Radius
- Flood Zone "D"

Project No.: AR257051
 Date: Dec 02 2025
 Drawn By: JWJ
 Reviewed By: CFS

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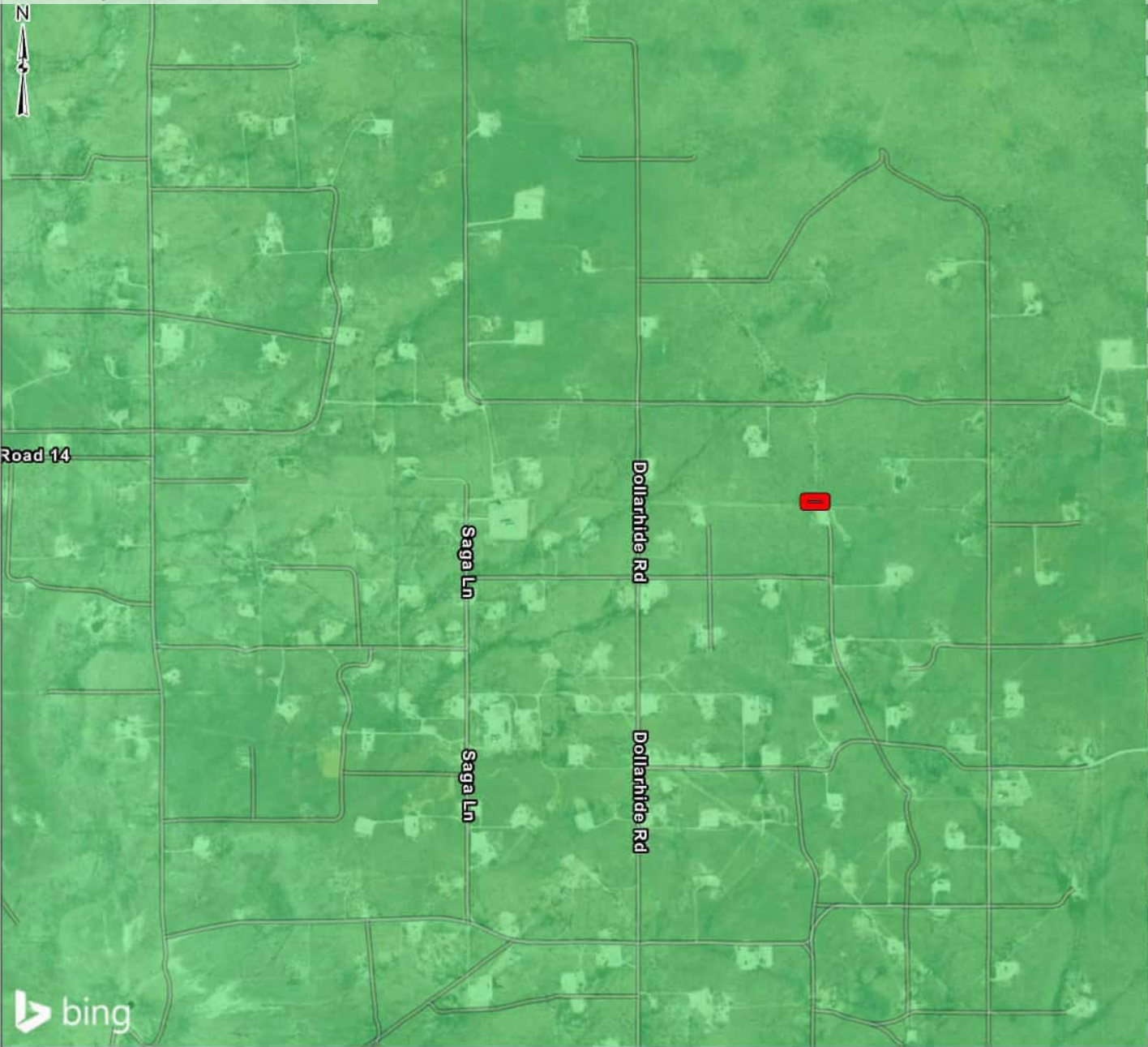
Regulatory Criteria Map

WDDU #42
 Incident # NPRS0433653517
 32.179328, -103.076061
 Scout Energy Management, LLC
 Jal, Lea County, New Mexico

Exhibit

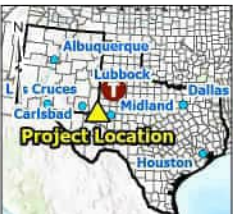
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DATA SOURCES: Bing 1000 500 0 1000 Feet



-  Site Boundary
- Karst Potential**
-  Low
-  Medium
-  High

Project No.:
AR257051

Date:
Dec 02 2025

Drawn By:
JWL

Reviewed By:
CFS



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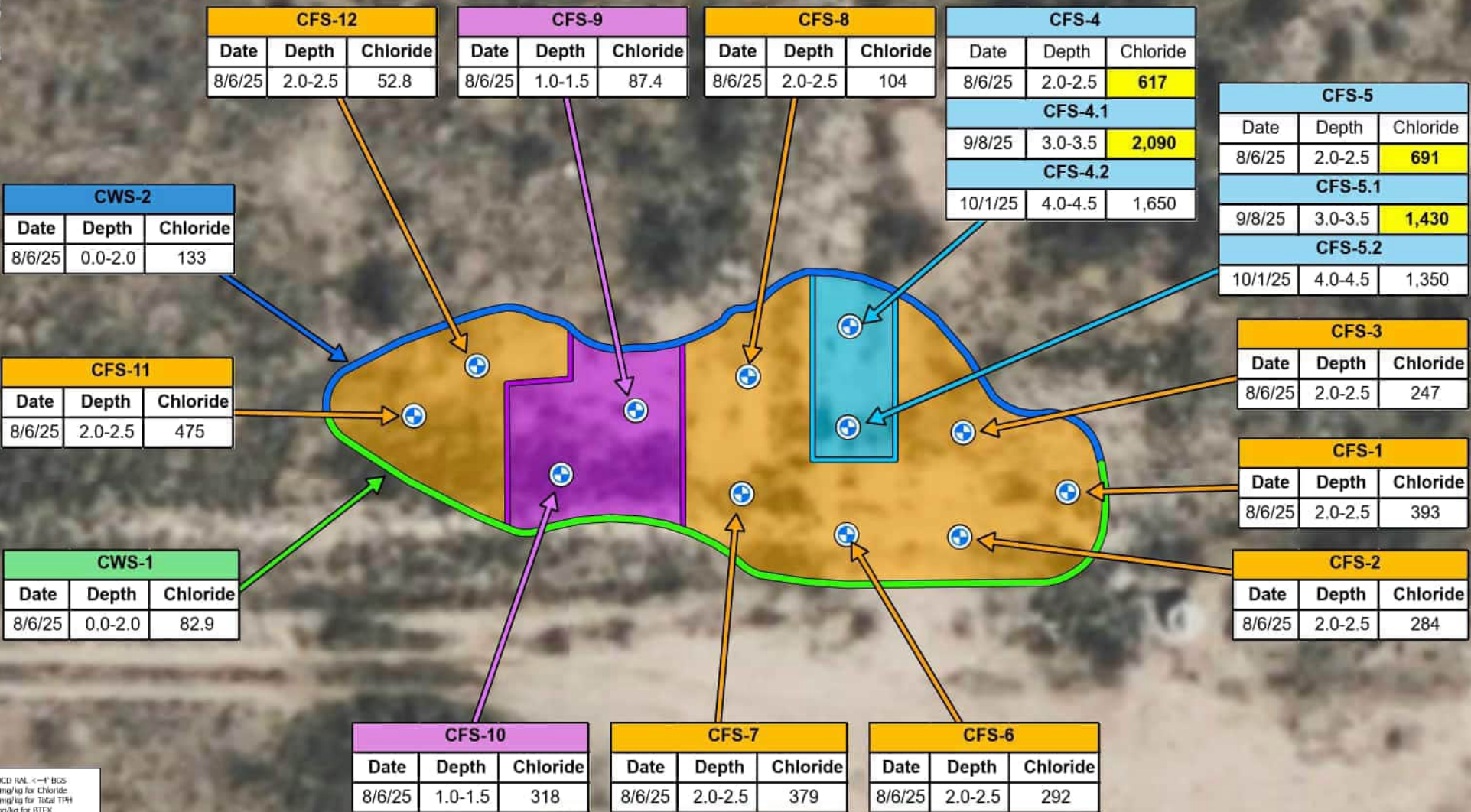
Cave Karst Public UCP Map

WDDU #42
Incident # NPRS0433653517
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Jal, Lea County, New Mexico

Exhibit

5

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CFS-12		
Date	Depth	Chloride
8/6/25	2.0-2.5	52.8

CFS-9		
Date	Depth	Chloride
8/6/25	1.0-1.5	87.4

CFS-8		
Date	Depth	Chloride
8/6/25	2.0-2.5	104

CFS-4		
Date	Depth	Chloride
8/6/25	2.0-2.5	617

CFS-4.1		
Date	Depth	Chloride
9/8/25	3.0-3.5	2,090

CFS-4.2		
Date	Depth	Chloride
10/1/25	4.0-4.5	1,650

CFS-5		
Date	Depth	Chloride
8/6/25	2.0-2.5	691

CFS-5.1		
Date	Depth	Chloride
9/8/25	3.0-3.5	1,430

CFS-5.2		
Date	Depth	Chloride
10/1/25	4.0-4.5	1,350

CWS-2		
Date	Depth	Chloride
8/6/25	0.0-2.0	133

CFS-11		
Date	Depth	Chloride
8/6/25	2.0-2.5	475

CWS-1		
Date	Depth	Chloride
8/6/25	0.0-2.0	82.9

CFS-3		
Date	Depth	Chloride
8/6/25	2.0-2.5	247

CFS-1		
Date	Depth	Chloride
8/6/25	2.0-2.5	393

CFS-2		
Date	Depth	Chloride
8/6/25	2.0-2.5	284

CFS-10		
Date	Depth	Chloride
8/6/25	1.0-1.5	318

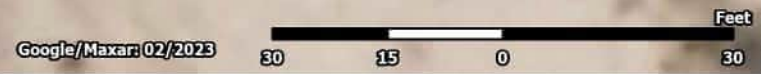
CFS-7		
Date	Depth	Chloride
8/6/25	2.0-2.5	379

CFS-6		
Date	Depth	Chloride
8/6/25	2.0-2.5	292

NMOCED RAL <=4' BGS
 600 mg/kg for Chloride
 100 mg/kg for Total THH
 10 mg/kg for BTEX

NMOCED RAL >4' BGS
 10,000 mg/kg for Chloride
 2,500 mg/kg for Total THH
 10 mg/kg for BTEX

Bold and Highlighted
 denote concentrations
 that exceed the NMOCED
 Reclamation and/or
 Remediation and
 Delineation Standards



- Confirmation Floor Sample
- Confirmation Wall Sample
- CWS-1
- CWS-2

- Excavation Depth 1' (845 Sq Ft)
- 2' (3,345 Sq Ft)
- 4' (440 Sq Ft)

Project No.: AR257051
 Date: Dec 17 2025
 Drawn By: JWJ
 Reviewed By: CFS

5847 50th St
 Lubbock, TX
 PH. 806-300-0140 terracon.com



Confirmation Sample Map

WDDU 42
 OCD Incident # NPRS0433653517
 32.179666, -103.076318
 Lea County, New Mexico

Exhibit

6



-  Inferred Release
-  Vegetation Study Area

Project No.:
AR257051

Date:
Dec 18 2025

Drawn By:
JWL

Reviewed By:
CFS



5847 50th St
Lubbock, TX

PH. 806-300-0140 terracon.com

Vegetative Study Map

WDDU #42
Incident # NGRL0909236372
32.1792603, -103.0761108
Scout Energy Management, LLC
Jal, Lea County, New Mexico

Exhibit

7

G:\000AR\Project\182025\AR257051_Scout_WDDU_42\Maps\AR257051_Scout_WDDU_42\AR257051_Scout_WDDU_42.aprx

TABLES & ATTACHMENTS

Table 1 – Confirmation Sample Results

Table 2 – Backfill Sample Results

**Attachment 1 – NMOCD and RRC Email
Correspondence**

Attachment 2 – NMOSE Well Log Report

Table 1
Soil Analytical Results Summary - Confirmation Samples
Project Number: AR257051 / WDDU #042
NMOCD Incident No. NPRS0433653517


Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Floor Samples											
CFS-1	8/6/25	2.0-2.5	Composite	In-Situ	393	ND	ND	88.4	ND	ND	88.4
CFS-2	8/6/25	2.0-2.5	Composite	In-Situ	284	ND	ND	ND	ND	ND	ND
CFS-3	8/6/25	2.0-2.5	Composite	In-Situ	247	ND	ND	ND	ND	ND	ND
CFS-4	8/6/25	2.0-2.5	Composite	Excavated	617	ND	ND	ND	ND	ND	ND
CFS-4.1	9/8/25	3.0-3.5	Composite	Excavated	2,090	ND	ND	ND	ND	ND	ND
CFS-4.2	10/1/25	4.0-4.5	Composite	In-Situ	1,650	ND	ND	ND	ND	ND	ND
CFS-5	8/6/25	2.0-2.5	Composite	Excavated	691	ND	ND	ND	ND	ND	ND
CFS-5.1	9/8/25	3.0-3.5	Composite	Excavated	1,430	ND	ND	ND	ND	ND	ND
CFS-5.2	10/1/25	4.0-4.5	Composite	In-Situ	1,350	ND	ND	ND	ND	ND	ND
CFS-6	8/6/25	2.0-2.5	Composite	In-Situ	292	ND	ND	ND	ND	ND	ND
CFS-7	8/6/25	2.0-2.5	Composite	In-Situ	379	ND	ND	ND	ND	ND	ND
CFS-8	8/6/25	2.0-2.5	Composite	In-Situ	104	ND	ND	ND	ND	ND	ND
CFS-9	8/6/25	1.0-1.5	Composite	In-Situ	87.4	ND	ND	ND	ND	ND	ND
CFS-10	8/6/25	1.0-1.5	Composite	In-Situ	318	ND	ND	ND	ND	ND	ND
CFS-11	8/6/25	2.0-2.5	Composite	In-Situ	475	ND	ND	ND	ND	ND	ND
CFS-12	8/6/25	2.0-2.5	Composite	In-Situ	52.8	ND	ND	ND	ND	ND	ND
Confirmation Wall Samples											
CWS-1	8/6/25	0.0-2.0	Composite	In-Situ	82.9	ND	ND	ND	ND	ND	ND
CWS-2	8/6/25	0.0-2.0	Composite	In-Situ	133	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards³ (Surface to 4 ft bgs)					600	10	50	100	100		NA
NMOCD Remediation Standards⁴ (Greater than Depths of 4 ft bgs)					20,000	10	50	2,500	1,000		NA

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
 2. TPH = Total Petroleum Hydrocarbons
 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018
 ND = Constituent was not detected above the laboratory sample detection limit (SDL).
 NA = Not Applicable
Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
 In-situ = Sample is representative of material which remains in-place at the site.
 Excavated = Sample is representative of materials which were excavated.

Data Entry:	cfs
Reviewed By:	dp



**Table 2
Soil Analytical Results Summary - Backfill Samples
Terracon Project No: AR257051 - WDDU #42
NMOCD Incident No. NPRS0433653517**

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Caliche Backfill Pit											
CBP-01	9/10/25	N/A	Composite	N/A	51.4	ND	ND	ND	ND	ND	ND
Topsoil Backfill Pit											
TBP-01	9/10/25	N/A	Composite	N/A	98.5	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards³ (Surface to 4 ft bgs)					600	10	50	100	100		NA
1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes 2. TPH = Total Petroleum Hydrocarbons 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018 mg/kg = milligrams per kilogram. ND = Constituent was not detected above the laboratory sample detection limit (SDL). NA = Not Analyzed N/A = Not Applicable									Data Entry:	cfs	
									Reviewed By:	jrg	
											
Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards. In-situ = Sample is representative of material which remains in-place at the site.											

**Attachment 1- NMOCD and RRC Email
Correspondence**

Smith, Chuck F

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Friday, October 11, 2024 9:51 AM
To: Spencer Jackson
Subject: RE: [EXTERNAL] Waste Hauling

Good Morning Spencer,

I discussed the hauling of impacted soil from New Mexico to Scout facilities in Texas. OCD is fine with it as long as you can provide confirmation from the Texas Railroad Commission that they are fine with the impacted soil being placed on a TRC regulated facility. The confirmation can be provided via email. The OCD will also require the location where the soil will be taken to. As we discussed, a BOL will work for this portion.

Let me know if you have any other questions.

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMNRD Website prior to submitting any C-141s. The guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/or> <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Friday, October 11, 2024 8:25 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Subject: [EXTERNAL] Waste Hauling

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

Good Morning Ashley,

I just wanted to confirm that the NMOCD will be ok with us hauling dirt from NM to our yard in Texas for mixing and re-use? We would be doing this in conjunction with RRC regulations and all soil hauled would be tracked with a manifest or Bill of Lading stating where the soil originated and where it's final destination was. All copies would be provided to the state for there reference upon request.

As we discussed earlier this week, the SLO is ok with this plan and ensuring the NMOCD is ok is the final hurdle we were needing to get through in order to begin excavation.

I look forward to hearing from you.

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



Smith, Chuck F

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Wednesday, October 30, 2024 8:47 AM
To: Spencer Jackson
Subject: RE: [EXTERNAL] Waste Hauling

Good Morning Spencer,

I would include all this information into your reports. Is there anyway you can send a follow up email to the inspector you spoke with? Brandon Powell, OCD, is wanting something in writing, even if it is an email. If I am able to assist in anyway, let me know.

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

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From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Tuesday, October 29, 2024 1:35 PM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Waste Hauling

Ashley,

Hope this finds you well. I have not had much luck getting anything in writing necessarily from the RRC just yet. I was wondering if these screenshots from the regulations would suffice as it clearly states in the RRC rules that soil mixing/amendments is an acceptable method of remediation in Texas.

Amendments: This is found in the Field Guide for the Assessment and Cleanup of Produced Water Releases. We've always considered clean soil as an amendment as well.

- **Amendments-** Amendments (e.g., gypsum, organic matter) may be added to soil to restore productivity and structure, based on intended vegetative cover and agricultural use. Improved soil structure allows for natural remediation of soils through increased drainage. Improved structure and plant productivity also reduces potential for erosion. Laboratory analyses for pH, major cations and anions, and EC and delineation of the contaminated area will be necessary to determine the appropriate mix of amendments based on intended soil use. Please refer to the following webpage for an example of remedy development using soil amendments (<http://www.kcc.state.ks.us/conservation/scar/>).

Statewide Rule 91

(d) Remediation of soil.

(1) Final cleanup level. A final cleanup level of 1.0% by weight total petroleum hydrocarbons must be achieved as soon as technically feasible, but not later than one year after the spill incident. The operator may select any technically sound method that achieves the final result.

(2) Requirements for bioremediation. If on-site bioremediation or enhanced bioremediation is chosen as the remediation method, the soil to be bioremediated must be mixed with ambient or other soil to achieve a uniform mixture that is no more than 18 inches in depth and that contains no more than 5.0% by weight total petroleum hydrocarbons.

The RRC has no rule that I've seen that states soil cannot come from out of state. I did speak to one RRC inspector who told me he didn't care but I have not received that in writing from him either.

Will this suffice to allow us to begin removing soil from New Mexico and mixing with clean soil at our facility in Texas? Again, all loads will be tracked from Point A to Point B with shipping documents.

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Friday, October 11, 2024 9:51 AM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: [EXTERNAL] Waste Hauling

Good Morning Spencer,

I discussed the hauling of impacted soil from New Mexico to Scout facilities in Texas. OCD is fine with it as long as you can provide confirmation from the Texas Railroad Commission that they are fine with the impacted soil being placed on a TRC regulated facility. The confirmation can be provided via email. The OCD will also require the location where the soil will be taken to. As we discussed, a BOL will work for this portion.

Let me know if you have any other questions.

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

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From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Friday, October 11, 2024 8:25 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Subject: [EXTERNAL] Waste Hauling

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

Good Morning Ashley,

I just wanted to confirm that the NMOCD will be ok with us hauling dirt from NM to our yard in Texas for mixing and re-use? We would be doing this in conjunction with RRC regulations and all soil hauled would be tracked with a manifest or Bill of Lading stating where the soil originated and where it's final destination was. All copies would be provided to the state for there reference upon request.

As we discussed earlier this week, the SLO is ok with this plan and ensuring the NMOCD is ok is the final hurdle we were needing to get through in order to begin excavation.

I look forward to hearing from you.

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



Smith, Chuck F

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Tuesday, November 5, 2024 3:37 PM
To: Spencer Jackson
Subject: RE: [EXTERNAL] Fw: Soil Mixing

Hi Spencer,

I spoke with Deputy Director Brandon Powell. OCD will allow the transport if it meets TRC requirements and that they approve of the transport. As we discussed earlier, please include where the soil is being transferred to, document that it meets TRC requirements, and include the correspondence you have with TRC that it is acceptable in your reports.

Let me know if you have any questions.

Thanks,
Ashley

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Tuesday, November 5, 2024 2:32 PM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Fw: Soil Mixing

Hey Ashley,

Did you hear back from your supervisor by chance?

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive

Dallas, TX 75240
scoutep.com



From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Monday, November 4, 2024 11:35 AM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: [EXTERNAL] Fw: Soil Mixing

Thank you for the update. Let me forward it on to my supervisor for final review.

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

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From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Monday, November 4, 2024 10:23 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Subject: [EXTERNAL] Fw: Soil Mixing

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

Ashley,

RRC is good with the soil mixing. Please let me if this will suffice for yall to allow this work to proceed?

Thanks,
Spencer

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From: Erik Hanson <Erik.Hanson@rrc.texas.gov>
Sent: Monday, November 4, 2024 10:19 AM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: Soil Mixing

Spencer,

That is correct. Per SWR 91, mixing clean soil with contaminated soil is an acceptable method of remediation.



Erik Hanson
Engineering Specialist | Oil & Gas Division
Railroad Commission of Texas
432-684-5581

[Take our Customer Service Survey](#)



From: Spencer Jackson <Spencer.Jackson@scoutep.com>

Sent: Wednesday, October 30, 2024 8:56 AM

To: Erik Hanson <Erik.Hanson@rrc.texas.gov>

Subject: Soil Mixing

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Good Morning Erik,

Scout energy would like to mix clean soil (no hydrocarbons or chloride contamination) with produced water or crude oil contaminated soil to clean it up and reuse it. I read in SWR 91 and in the RRC guide for cleanup of produced water contaminated soil that mixing soil is an approved remediation method. I just wanted to confirm that as an option? Some of the soil would come from spills that occurred in NM but the NMOCD has already said they are fine with bringing soil to Texas and dumping at a RRC regulated facility as long as we have documentation stating where it started and where it was taken. I just wanted to verify that the RRC does allow the soil mixing for remediation?

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240

scoutep.com



Smith, Chuck F

From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Tuesday, January 28, 2025 4:23 PM
To: Spencer Jackson
Cc: Christine A. Peters
Subject: RE: DRAFT Soil Mixing Request

Spencer,

I was looking for a generalized “what Texas is receiving” analytical for the soils which might be the composite sampling you cited. What might be representative values and possibly a range that could be expected. You could submit previous soil testing to satisfy the representative values for your sites.

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Tuesday, January 28, 2025 2:24 PM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Cc: Christine A. Peters <Christine.Peters@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

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Mike,

I had a quick question I was hoping you could answer for me.

-Regarding the analysis of soil that represents a generalized background of soil contamination. Can you help me understand more what you’re asking? The soil would be coming from 5 different locations. Are you just asking for a generalized sample that represents all 5 of those locations? Almost like a composite sample?

Thank You,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Friday, January 17, 2025 8:49 AM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Cc: Christine A. Peters <Christine.Peters@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

Hello Spencer,

I have a list of items we will need, submitted in hard copy form, to review before a letter of authority (LOA) can be issued.

Operator name, P-5 number, address, phone number, and contact person. Note that unless otherwise specified in an application, the permit and correspondence will only be mailed to the operator's P-5 address.

Location and description of the site in New Mexico where the waste is generated.

Narrative description of the waste.

Estimated volume of waste to be transported from New Mexico to Texas.

A laboratory analysis of soil that represents a generalized background of the soil contamination. Can

The laboratory analysis of the soil will follow 16 TAC §4.163(d) attached to this document.

In addition to the laboratory analysis following 16 TAC §4.163(d), a measurement of the amount of NORM that is contained in the contaminated soil using a scintillation meter and background readings reported in Microroentgens per hour ($\mu\text{R/hr}$).

Location, description, and map of the site in Texas where the waste is stored and areas to receive waste.

Provide documentation of the ownership of the land or a copy of the signed lease agreement between the applicant and the surface owner where the contaminated soil will be stored or later amended to the lease.

A narrative how the stored waste will be contained where no stormwater runoff from the contained area will occur and where no impact to surface water or groundwater will occur.

Depth to groundwater.

Location of any water wells within a mile from the storage or amending area(s).

Location of any residence within a mile from the storage or amending area(s).

You may send the hard copies to:

Railroad Commission of Texas
Technical Permitting
P.O. Box 12967 Austin, Texas 78711-2967

If I can help you further, please contact me,

Mike



Mike Chadwick, PG
Geologist | EPS Division
Railroad Commission of Texas
512-463-6274
[Take our Customer Service Survey](#)



From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Monday, January 6, 2025 1:24 PM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Cc: Christine A. Peters <Christine.Peters@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

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Good Afternoon Mr. Chadwick and Happy New Year,

I wanted to follow up to see if there had been any updates from your legal group regarding our request to bring soil from NM to Texas?

I hope to hear from you soon.

Thank You,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Friday, December 13, 2024 6:52 AM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Cc: Christine A. Peters <Christine.Peters@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

Mr. Jackson,

I have only heard that the request is being reviewed by legal. Our legal has been preoccupied with a hearing that lasted a week. The proceedings ended I believe on Wednesday. Our permitting group has begun receiving responses from legal on some back-logged questions, and I expect to hear back soon on your matter.

Mike



Mike Chadwick, PG
Geologist | EPS Division
Railroad Commission of Texas
512-463-6274
[Take our Customer Service Survey](#)



From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Wednesday, December 11, 2024 8:05 AM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

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Good Morning Mike,

I apologize for the consistent follow ups. We're ready to start working on these projects but the soil piece is what's preventing us from starting. Did you ever get any response from your legal department?

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Thursday, December 5, 2024 6:44 AM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: DRAFT Soil Mixing Request

Hello Spencer,

Let me contact our legal department and see where we are. I will be getting back with you later today.

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Wednesday, December 4, 2024 11:32 AM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

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Good Day Mike,

Just wanted to follow up with you. Have you heard anything more from your legal department on this?

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Spencer Jackson
Sent: Thursday, November 21, 2024 7:41 AM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

Mike,

Thank you for the clarification. I've attached an email from the NMOCD stating they are fine with the removal of soil from NM and hauling to a Texas RRC regulated facility. Hope this helps.

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240

scoutep.com



From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Thursday, November 21, 2024 7:39 AM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: DRAFT Soil Mixing Request

Spencer,

I have a question in to our legal department (as of the 14th and 16th of this month) that they are working on. When I receive their answer, I will be able to forward that information for you to consider. Most of it has to do with the level of reporting for the impacted soil and if a confirmation from New Mexico is necessary.

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Wednesday, November 20, 2024 2:34 PM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: RE: DRAFT Soil Mixing Request

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Good Afternoon Mike,

Just wanted to follow up with you regarding my draft email as per our discussion last week. Did you have any changes or re-wordings you'd like for me to make before I send you the "official" email?

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Spencer Jackson
Sent: Thursday, November 14, 2024 3:47 PM

To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>

Subject: DRAFT Soil Mixing Request

Mr. Chadwick,

Please see my draft request per our discussion this morning.

Scout Energy would like to request permission from the RRC to bring contaminated dirt that exceeds NMOCD standards for Chlorides and TPH to Texas and use as road base or repair dirt on Scout energy owned P5 permitted well locations. This soil, while exceeding NMOCD standards, for the most part does not exceed Texas RRC cleanup standards and as such does not pose a risk of contaminating Texas soil. Any soil that might exceed Texas RRC standards will be amended with clean dirt from locally sourced Scout owned caliche and sand pits and again, utilized for repair of well locations, road base and other oilfield activities. The NMOCD has granted permission for this work to commence under the condition that the RRC provides written approval as well. Please let me know if this is something the RRC can accept.

Best Regards,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240

scoutep.com



Smith, Chuck F

From: OCDOnline@state.nm.us
Sent: Tuesday, May 6, 2025 3:04 PM
To: Smith, Chuck F
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 456884

To whom it may concern (c/o Chuck Smith for SCOUT ENERGY MANAGEMENT LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nPRS0433653517, with the following conditions:

- **Remediation workplan approved.**
- **Submit a report via the OCD permitting portal by August 4, 2025.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Ashley Maxwell
Projects Environmental Specialist - A
505-635-5000
Ashley.Maxwell@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Smith, Chuck F

From: Knight, Tami C. <tknight@nmslo.gov>
Sent: Wednesday, March 5, 2025 2:10 PM
To: Spencer Jackson
Cc: Smith, Chuck F
Subject: RE: Scout Incident #NPRS0433653517 Remediation Plan

Gotcha.. oh the dance of the agencies! I'll look for the revised remediation plan. Thanks for the explanation, I understand.



Tami C. Knight, CHMM
Environmental Specialist
 NMSLO Environmental Compliance Office
 505.670-1638
tknight@nmslo.gov



OUT OF OFFICE NOTICE: MARCH 11-14

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From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Wednesday, March 5, 2025 12:54 PM
To: Knight, Tami C. <tknight@nmslo.gov>
Cc: Smith, Chuck F <Chuck.Smith@terracon.com>
Subject: [EXTERNAL] RE: Scout Incident #NPRS0433653517 Remediation Plan

Good Afternoon Tami,

As you recall, I had told you that the NMOCD had told me that Scout could combine the two incidents at the WDDU 42. When you mentioned that you were not seeing them as combined in the system I reached out to the OCD who informed me that they were mistaken and we had to treat them as separate incidents. We collected samples from the area denoted in incident NPRS0433653517 and found that it will need some remediation despite the fact that it has vegetation growing hence why we are submitting a separate remediation plan. Terracon is updating the remediation plan as per your request in the other email to remove details and attach the cover sheet of the arms review and biologically sensitive area.

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Knight, Tami C. <tknight@nmslo.gov>
Sent: Monday, February 24, 2025 5:10 PM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Cc: Smith, Chuck F <Chuck.Smith@terracon.com>
Subject: Scout Incident #NPRS0433653517 Remediation Plan

Spencer

I don't see where this remediation plan was submitted to NMOCD, will it be? Also, when I approved the R&R plan 11/5/24 you told me that that plan would include remediation of NPRS0433653517. Why is a separate plan being submitted for NPRS0433653517? Is this spill in a completely different location from 3517?



Tami C. Knight, CHMM
Environmental Specialist
NMSLO Environmental Compliance Office
505.670-1638
  tknight@nmslo.gov

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From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Wednesday, February 12, 2025 7:34 PM
To: SLO Spills <spills@nmslo.gov>
Cc: Knight, Tami C. <tknight@nmslo.gov>; Smith, Chuck F <Chuck.Smith@terracon.com>
Subject: [EXTERNAL] Incident #NPRS0433653517 Remediation Plan

Good Evening,

Attached is a remediation workplan for Incident #NPRS0433653517. This remediation will be done in conjunction with the already approved remediation and reclamation work plan associated with incident #NGRL0909236372.

Please let me know if you have any questions associated with the attached work plan.

Thank You,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



Smith, Chuck F

From: Smith, Chuck F
Sent: Monday, May 5, 2025 8:29 AM
To: Spencer Jackson
Subject: FW: OCD Receipt of Fee Application Payment
Attachments: OCDReceiptOfFeePayment.pdf

FYI.

Charles F (Chuck) Smith
Senior Project Manager



5847 50th Street, Lubbock, Texas 79424
P (806) 300-0140 / F (806) 797-0947 / M (713) 857-7590
chuck.smith@terracon.com / Terracon.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, April 29, 2025 5:25 PM
To: Smith, Chuck F <Chuck.Smith@terracon.com>
Subject: OCD Receipt of Fee Application Payment

Thank you for your fee application payment! Your receipt is attached.

PO Number: PAX9J-250429-C-1410
Payment Date: 4/29/2025
Payment Amount: \$150.00
Payment Type: Credit Card

Application Type: Application for administrative approval of a release notification and corrective action
Fee Amount: \$150.00
Application Status: Under OCD Review

OGRID: 330949
First Name: Chuck
Last Name: Smith
Email: Chuck.smith@terracon.com

IMPORTANT: If you are mailing or delivering your application, you must print and include your receipt of payment as the first page on your application. All mailed and delivered applications must be sent to the following address: 1220 S. St. Francis Dr., Santa Fe, NM 87505. For inquiries, reference the PO Number listed above.

Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505
(505) 476-3441 * ocd.fees@state.nm.us * www.emnrd.nm.gov/OCD

This is an automated email please do not reply.

Smith, Chuck F

From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Wednesday, June 4, 2025 8:21 AM
To: Spencer Jackson
Cc: Christine A. Peters
Subject: Approved and signed LOA-0042
Attachments: 20250604_LOA-0042_Permit.pdf

 External email >

 Contains topics of a financial nature >

Hello Spencer,

Attached is a courtesy copy of your approved and signed LOA-0042 to receive, store, and transfer soils for well pad and lease roads repair.

The hard copy of the signed and approved LOA was mailed out this morning.

Let me know if I can do anything further for you.

Mike



Mike Chadwick, PG
Geologist | EPS Division
Railroad Commission of Texas
512-463-6274
[Take our Customer Service Survey](#)



From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Monday, June 2, 2025 3:05 PM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: RE: Additional Soil Hauling Locations

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Thank you so much Mike. I'm sorry to keep bothering you. I greatly appreciate you.

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Friday, May 30, 2025 5:12 PM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: Additional Soil Hauling Locations

Spencer,

I am working on it now and will have it out to you this coming Wednesday. We have been swamped over here.

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Thursday, May 29, 2025 4:45 PM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: Re: Additional Soil Hauling Locations

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Good day Mr. Chadwick,

I'm sorry to keep bothering you about this but I just wanted to follow up on this permit? We're hoping to start rolling with excavation in June so just let wanted to see if we'll see that permit soon.

Thank you Sir
Spencer Jackson

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From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Monday, May 19, 2025 1:19:36 PM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: Additional Soil Hauling Locations

Hello Mr. Jackson,

I don't have any questions at the moment. I am at a point in my workload where I can begin to put together your permit tomorrow. If I get stuck on something, I'll call you.

Thanks for checking in,

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>

Sent: Friday, May 16, 2025 8:58 AM

To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>

Subject: RE: Additional Soil Hauling Locations

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Good Morning Mr. Chadwick,

Hope this finds you well today. Did you have any questions or any updates on our soil hauling from NM to Texas application?

Thank you Sir.

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>

Sent: Friday, May 2, 2025 1:20 PM

To: Spencer Jackson <Spencer.Jackson@scoutep.com>

Subject: RE: Additional Soil Hauling Locations

Spencer,

I will merge these with your application.

This is good information.

Have a great weekend,

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Friday, May 2, 2025 10:52 AM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: Additional Soil Hauling Locations

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Mr. Chadwick,

Please see 3 additional locations that Scout can use for hauling soil from NM to Texas that can accompany the 3 I already provided to you. Please let me know if you have any questions or additional concerns.

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



Smith, Chuck F

From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Monday, June 16, 2025 7:57 AM
To: Spencer Jackson
Subject: Revised permit
Attachments: 20250616_LOA-0042_Permit.pdf



Hello Spencer,

I am providing you a courtesy copy of the revised permit that supersedes the LOA issued for June 4, 2025. The hard copy should be going out this morning. This revision provides the correct soil testing parameters for rules existing pre-July 1st.

Let me know if I can do anything further.

Mike



Mike Chadwick, PG
Geologist | EPS Division
Railroad Commission of Texas
512-463-6274

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Chapter 4 Update: Read [All About Chapter 4](#)

Email your Chapter 4 questions to: EPSch4@rrc.texas.gov

From: [Wells, Shelly, EMNRD](#)
To: [Smith, Chuck F](#)
Cc: Spencer.jackson@scoutep.com; [Guesnier, Joseph R](#); [Grams, John](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] NMOCD Incident # NGRL0905661261 - Confirmation Sampling Variance
Date: Tuesday, August 19, 2025 3:15:29 PM
Attachments: [image001.png](#)

Good afternoon Chuck,

The sampling variance is approved to collect bottom confirmation samples every 400 ft². Sidewall samples are required to be collected every 200 ft². With a perimeter of 1400 ft, excavated down to a 4' depth, the correct number of sidewall samples required to be collected is: $1400 \times 4 = 5600 \text{ ft}^2 / 200 \text{ ft}^2 = 28$ sidewall samples. Please include this correspondence in the submitted remediation closure report.

Kind regards,

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@emnrn.nm.gov
<http://www.emnrn.state.nm.us/OCD/>

From: Smith, Chuck F <Chuck.Smith@terracon.com>
Sent: Tuesday, August 19, 2025 11:52 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrn.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrn.nm.gov>; Spencer Jackson <spencer.jackson@scoutep.com>; Guesnier, Joseph R <Joseph.Guesnier@terracon.com>; Grams, John <John.Grams@terracon.com>
Subject: [EXTERNAL] NMOCD Incident # NGRL0905661261 - Confirmation Sampling Variance

Some people who received this message don't often get email from chuck.smith@terracon.com. [Learn why this is important](#)

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

To whom it may concern,

Terracon on behalf of Scout is requesting the attached sampling variance for the above referenced

incident # NGRL0905661261. Please let me know if you have any questions or concerns pertaining to the attached variance request. Confirmation sampling is currently planned to start on 8/22/25.

Thanks,

Charles F (Chuck) Smith

Senior Project Manager



5847 50th Street, Lubbock, Texas 79424

P (806) 300-0140 / F (806) 797-0947 / M (713) 857-7590

chuck.smith@terracon.com / Terracon.com

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Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.

Smith, Chuck F

From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Thursday, October 9, 2025 6:48 AM
To: Spencer Jackson
Subject: LOA-0042
Attachments: 20251009_LOA-0042_LOA.pdf

Follow Up Flag: Follow up
Flag Status: Completed



Spencer,

Attached is a courtesy copy of the amended LOA-0042 with the requested increase of soil to be transported from 18,000 to 25,000 cubic feet. The attached amended LOA-0042 will go out in the mail this morning.

Let me know if I can do anything further,

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Wednesday, October 8, 2025 9:29 AM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: RE: Permit Volume Increase

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Mike,

We'll exceed the 18,000 yards today. I know you said you got to document on your end and get back to me but are we at least good to continue working and hauling event though we'll go over today?

Thanks,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



From: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Sent: Tuesday, October 7, 2025 1:36 PM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Subject: RE: Permit Volume Increase

I do not see a problem increasing your permit from 18,000 cubic yards to 25,000 cubic yards. Let me document this on my end and I will get back with you.

Mike

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Tuesday, October 7, 2025 9:15 AM
To: Mike Chadwick <Mike.Chadwick@rrc.texas.gov>
Subject: Permit Volume Increase

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Good Morning Mike,

Scout is requesting a volume increase from 18,000 cubic yards to 25,000 cubic yards for Permit #**LOA-0042**. We're approaching 18,000 cubic yards which is what the original permit allowed but with touchups and additional excavation on these sites we expect to exceed the original allotted amount of 18,000 cubic yards stored at the dump sites. We still have 2 whole dump locations that have not been utilized yet for soil dumping so storage space is not an issue.

Please let me know if there is any issues with this.

Thank You,

Spencer Jackson
Senior HSE Specialist

O) 972-505-3842
M) 972-965-5580
13800 Montfort Drive
Dallas, TX 75240
scoutep.com



Attachment 2 – NMOSE Well Log Report



Soil Bore Log SB-04

PROJECT NAME WDDU #122	DRILLING DATE 09/07/2022	COORDINATES 32.172523, -103.070724
CLIENT OXY USA, Inc.	TOTAL DEPTH 102'	COORD SYS NAD 83
		ULSTR L-33-24S-38E
		SURFACE ELEVATION 3185

COMMENTS Spud on the East Side of the WDDU #122 Well Pad.	LOGGED BY CJ
	CHECKED BY DD

Depth (ft)	Moisture	Material Description	Elevation (FT)
5	D	Very Pale Brown (10YR 8/3) Sandy Clay Loam. Dry	3180
10		Very Pale Brown (10YR 8/4) Sandy Loam. Dry	3175
15			3170
20		Reddish Yellow (7.5YR 7/6) Sandy Loam. Dry	3165
25		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3160
30		Reddish Yellow (7.5YR 7/6) Sandy Loam. Dry	3155
35			3150
40		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3145
45		Reddish Yellow (7.5YR 7/6) Sandy Loam. Dry	3140
50		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3135
55		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3130
60		Reddish Yellow (7.5YR 7/6) Sandy Clay Loam. Dry	3125
65			3120
70			3115
75		Reddish Yellow (7.5YR 6/6) Sandy Clay Loam. Dry	3110
80			3105
85			3100
90			3095
95			3090
100			3085
105		Termination Depth at:102 ft	3080

Disclaimer This bore log is intended to evidence a depth to groundwater greater than 102'.

APPENDICES
APPENDIX A
RRC Permit-LOA 0042



RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

June 16, 2025

INITIAL
LOA-0042
Facility ID: 00017561
Organization No.: 760218
Supersedes Permit issued on June 4, 2025
Issued on June 16, 2025

455-19
SCOUT ENERGY MANAGEMENT, LLC.
13800 MONTFORT DR STE 100
DALLAS, TX 75240

Letter of Authority (LOA) for Scout Energy Management, LLC
Receiving, Storing, and Transferring Soils for
Well Pad and Lease Roads Repair
Locations to receive soils: Appendix A
Locations for excavation of soils: Appendix B
Andrews County, Texas
RRC District 08, Midland

Information contained in the Scout Energy Management, LLC, original pilot project application, received on April 21, 2025, and subsequent information received May 2, 2025, outlined removal of 18,000 cubic yards of produced water impacted soils from Scout Energy Management leases just over the New Mexico state line and transporting the soils to Scout Energy Management, LLC, leases just over the Texas state line to repair well pads and lease roads.

Authority is granted by the Railroad Commission of Texas (RRC) for a pilot project to receive, store, and transfer produced water impacted soils to repair well pads and lease roads in accordance with Texas Administrative Code (TAC) Title 16, Part 1, Chapter §3.8 (Statewide Rule 8), any subsequent changes to RRC rules, and is subject to the following minimum conditions:

Released to Imaging: 3/11/2026 4:38:38 PM

I. General Conditions

- A. The authority granted by this permit is effective **June 16, 2025**, and will expire on **June 30, 2026**.
- B. The total volume of soils applied to Scout Energy Management, LLC, leases shall not exceed **18,000** cubic yards and is restricted to the **Appendix A** referenced locations.
- C. Unless otherwise required by the conditions of LOA-0042, the well pad units, lease roads, and repair and maintenance in the Scout Energy Management leases must be in accordance with the information represented in the permit application and attachments thereto.

Scout Energy Management, LLC.
LOA-0042 | Facility ID No. 00017561 | Organization No. 760218
Page 2 of 6

- D. LOA-0042 is nontransferable without the written consent of the RRC.
- E. This permit does not authorize the discharge of any oil and gas waste to surface or subsurface water.
- F. Signs must be posted at the entrance to the six well pad unit sites, identified in **Appendix A**. The signs must be readily visible and show the operator's name, facility name, and permit number in letters and numerals at least three (3) inches in height.
- G. The Midland District Office must be notified at least 48 hours prior to initiating placement of soils at the designated lease properties.
- H. Excavation and transportation of soils will only occur from leases owned by Scout Energy Management that are identified in **Appendix B**.
- I. Soils must be transported using proper containment to prevent leaks or loss of material in transit. Any spills must be promptly cleaned up and disposed of in an authorized manner.
- J. Soils received in any of the six well pad unit sites will be stored in approximately 4 foot high mounds.
- K. Safety Data Sheets (SDS) must be maintained onsite for any chemical or compound proposed to be used in the treatment of soils at the leases identified in **Appendix A**. All chemicals must be stored according to the manufacturer's specifications.
- L. Any soil additives, stabilizers, bio-accelerators or treatment chemicals must be reported to Technical Permitting prior to use on soils. Approved materials must be stored in vessels designed for the safe storage of the particular chemical and these vessels must be maintained in a leak free condition.
- M. Berms will be placed around soil storage to prevent any runoff.
- N. The permittee must make all records required by this permit available for review and/or copying during normal business hours upon request by RRC personnel.
- O. The permittee must submit a **Quarterly Report** according to the following:
 - 1. The report must contain applicable information as required in Record Keeping Requirements III.A.
 - 2. The quarterly reporting periods must be January 1 through March 31, April 1 through June 30, July 1 through September 30, and October 1 through December 31 of each year.
 - 3. The reports must be submitted to Technical Permitting in Austin and the appropriate District Office no later than the 30th day of the month following each reporting period, or each April 30th, July 30th, October 30th and January 30th, respectively.
 - 4. An Executive Summary must be included that describes the receiving, storing, transferring operations, and relevant reconstruction activities that occurred on the leases identified in **Attachment A** during the specific quarter.
 - 5. Data tables presenting volumes of accumulated soil on each lease during the specific quarter must be included.
 - 6. A report of the records required by Permit Condition III A. must be submitted to Technical Permitting in Austin as part of the Quarterly Report required in Condition I.N. of this permit.

Scout Energy Management, LLC.
LOA-0042 | Facility ID No. 00017561 | Organization No. 760218
Page 3 of 6

- P. Failure to comply with any provision of this permit shall be cause for modification, suspension, termination, or cancellation of this permit if Technical Permitting determines that the permittee is in violation of Statewide Rule 8 (d)(6)(E) and any subsequent changes to RRC rules.

II. Authorized Wastes

- A. Only soils impacted by produced water from leases identified in **Appendix B** will be excavated and transported to the leases identified in **Appendix A**.
- B. No oil and gas Naturally Occurring Radioactive Material (NORM) waste as defined in 16 TAC §4.603 (Oil and Gas NORM) or waste from a facility that is licensed by the Texas Department of State Health Services (DSHS) to process or treat oil and gas NORM waste may be received on the leases identified in **Appendix A**.
- C. No drilling fluids, associated cuttings, free oil, or other wastes may be received on the leases identified in **Appendix A**

III. Record Keeping Requirements

- A. The permittee must maintain the following records on each load of soil received at the facility for a period of three (3) years from the date of receipt and will be made available to RRC personnel upon request:
 - 1. Description of the site where the soil was removed, including:
 - a. Site name
 - b. Lease name and number, and well number(s), or gas ID number(s), or American Petroleum Institute (API) well numbers as applicable.
 - c. County
 - 2. Date and site name where the soil is received
 - 3. Name of the transporter
 - 4. Volume of soil material received (specify units)
 - 5. Cumulative volume of soil received in each lease
 - 6. Type and description of soil material

Scout Energy Management, LLC.
 LOA-0042 | Facility ID No. 00017561 | Organization No. 760218
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IV. Closure Reporting

- A. For the purposes of monitoring and sampling, the soils received and stored in 4 foot high mounds within any of the six leases, the following definitions will be employed:

TREATMENT ZONE	ZONE DEPTH
Surface Treatment Zone (STZ)	0 to 12 inches below land surface (bls)
Waste Treatment Zone (WTZ)	12 inches to 24 inches bls
Compliance Monitoring Zone (CMZ)	24 inches to 36 inches bls

- B. Each of the 4 foot high mounds of received soils on any well pad unit will be sampled and analyzed before any soils are used to repair well pads or repair to lease roads occurs.
- C. The minimum soil samples and analysis shall be collected and analyzed as follows:
1. Soil samples from any of the 4 foot high soil mounds shall be collected for analysis after soil placement and before any well pad and lease road repair for each individual unit as located in **Appendix A**.
 2. Soil samples shall be collected as follows:
 - a. Each of the 4 foot high soil mounds, located on any of the six individual well pad units is to be subdivided geometrically into four quadrants. Within each quadrant there will be 1 soil sample collected from each depth zone as defined and illustrated in the above table IV.A.
 - b. One soil sample must be collected from Zone 1 (0 to 12 inches in depth) from the center of the quadrant.
 - c. One soil sample must be collected from Zone 2 (12 to 24 inches in depth) from the center of the quadrant.
 - d. One soil sample must be collected from Zone 3 (24 to 36 inches in depth) from the center of the quadrant.
 - e. The four soil samples collected from the 4 foot high soil mounds, sampled for each depth zone, will be composited into one single combined soil sample representing the entire well pad unit at each STZ, WTZ, and CMZ prescribed depth.
 - f. The three combined soil samples, STZ, WTZ, and CMZ will be submitted for lab testing for each 4 foot high soil mound located on any of the six well pad units.
 3. Soil samples will be analyzed for the following parameters and the specified limitations must not be exceeded:

Scout Energy Management, LLC.
 LOA-0042 | Facility ID No. 00017561 | Organization No. 760218
 Page 5 of 6

<u>PARAMETER</u>	<u>LIMITATION</u>
pH <i>EPA Method 9045C</i>	6 to 10 Standard Units
Electrical Conductivity (EC) ¹	≤ 4.0 mmhos/cm
Total Petroleum Hydrocarbons (TPH) <i>Method TX1005</i>	≤10,000 mg/kg or 1% by weight
Total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) <i>EPA Method 8021/8260B</i>	≤ 30 mg/kg
Metals (Total) <i>EPA Method 6010/6020/17471A</i>	
Arsenic	≤ 10 mg/kg
Barium	≤ 20,000 mg/kg
Cadmium	≤ 3 mg/kg
Chromium	≤ 100 mg/kg
Lead	≤ 200 mg/kg
Mercury	≤ 10 mg/kg
Selenium	≤ 5 mg/kg
Silver	≤ 200 mg/kg

4. If any parameter from a STZ, WTZ, or CMZ composite sample exceeds the limitation specified by Permit Condition IV.B.3., the quadrant representing the sample must be resampled for that specific parameter. Resampling is required for no less than once per month until the sample does not exceed the particular limitation for closure.

V. Final Closure and Report

- A. The permittee shall report the date each well pad unit began to receive soils to the Technical Permitting Section in Austin.
- B. The permittee shall report the date each well pad unit ceased receiving soils to the Technical Permitting Section in Austin.
- C. A written report shall be submitted within 30 days after the soil analysis shows the composite samples in the STZ, WTZ, and CMZ of a well pad unit meet all the limit requirements found in the IV.B.3. table "*Standard Soil Sampling Closure Parameters*". The report must include:
 1. A description of any soil treatment, soil placement to repair the well pad unit or lease roads during the receiving, storing, and transferring soils for the pilot project.

2. Tabulations of the volume of soil placement to repair the well pad unit or lease roads.
 3. The soil sample analysis of the STZ, WTZ, and CMZ from the well pad unit composite samples.
- D. A final report shall be submitted 120 days after all well pad units pass all the limits listed in in the IV.B.3. table “Standard Soil Sampling Closure Parameters”.
- E. Each report must include:
1. A summary of fluid and soil sampling activities that occurred during the reporting period.
 2. A tabular summary of fluid and soil sampling results received during the reporting period.
 3. Laboratory analytical reports and the corresponding chain of custody for all well pad units.
 4. Reports may be submitted in hard copy to Technical Permitting in Austin or may be submitted digitally via Commission approved methods.

This authorization is granted subject to review and cancellation should investigation show that such authorization is being abused.

APPROVED AND ISSUED ON **June 16, 2025**



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Christine Peters, P.G., Manager
Environmental Permits & Support
Technical Permitting

Attachment: Appendices A and B

CC: Spencer Jackson, Senior HSE Specialist
Spencer.Jackson@scoutep.com

RRC District 08, Midland

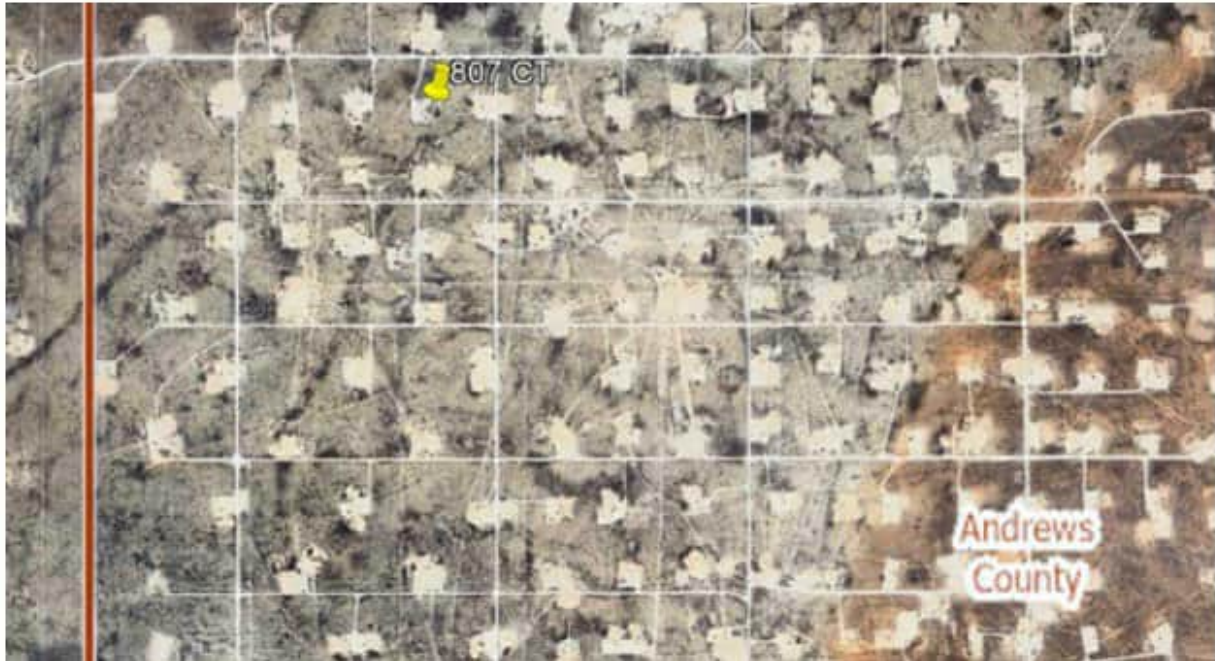
APPENDIX A

Locations of Soil Placement,

Dollarhide Unit 708CT (32.167537, -103.045327)-Plugged and Abandoned well pad location approximately 1.13 miles East of the New Mexico/Texas state line and 1.53 miles North from the intersection of SW 9999 and SW 9751, Andrews County, Texas. The location is approximately 81,984 square feet (1.88 acres) of un-reclaimed surface area. The legal description of the area is BLK A-52 SEC 17 AB 1884 ALL PSL.



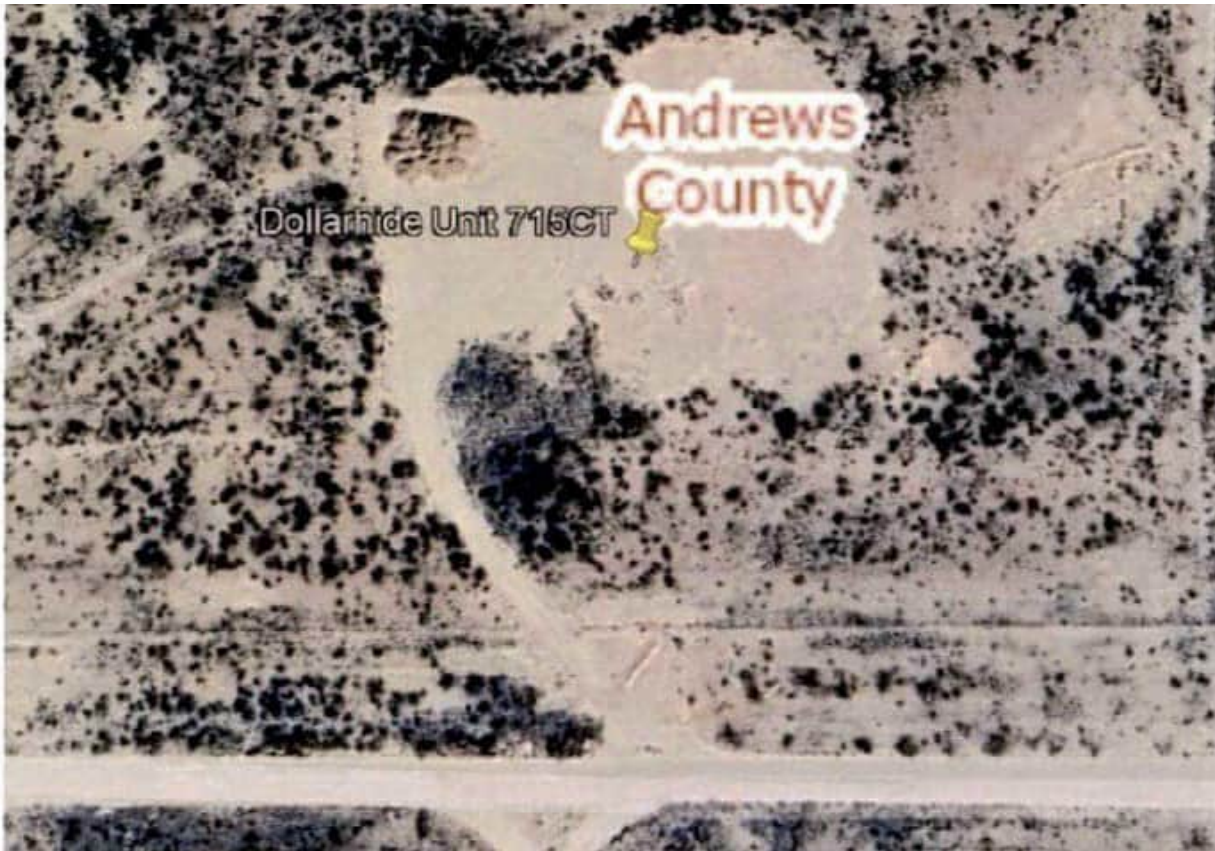
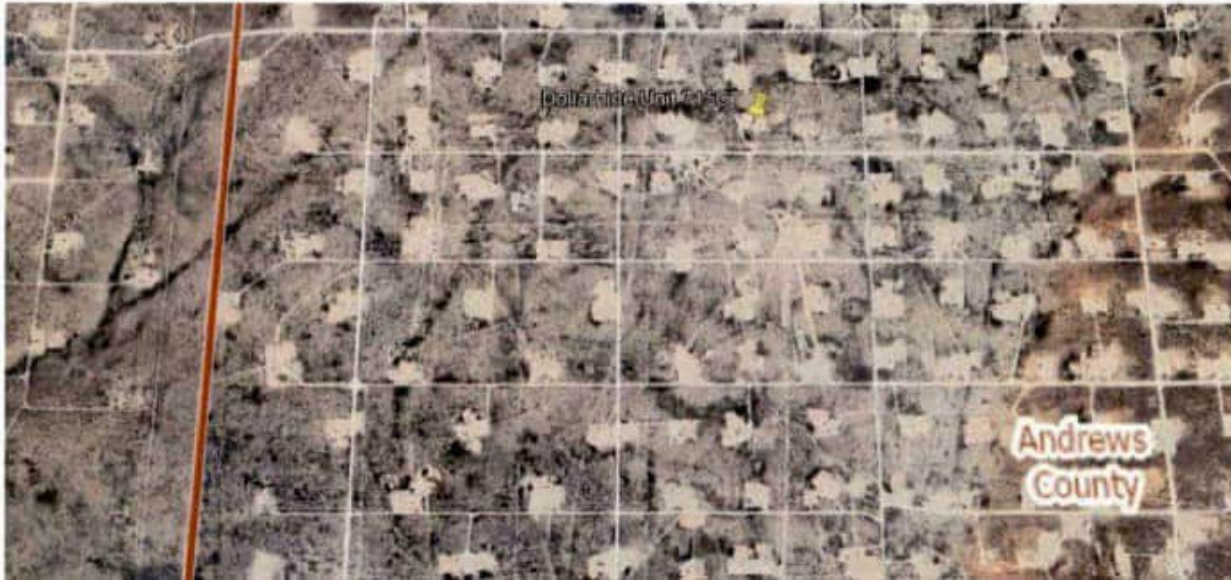
Dollarhide Unit 807 CT (32.17093, -103.053745)- Plugged and Abandoned well pad location approximately 0.63 miles East of the New Mexico/Texas state line and 1.86 miles Northwest from the intersection of SW 9999 and SW 9751, Andrews County. The location is approximately 67,270 square feet (1.54 acres) of un-reclaimed surface area. The legal description of the area is BLK A-52 SEC 16 AB 1883 ALL PSL.



Dollarhide Unit 991 D (32.1729853, -103.06298)- Plugged and Abandoned well pad location approximately 0.12 miles East of the New Mexico/Texas state line and 2.17 miles NorthWest from the intersection of SW 9999 and SW 9751, Andrews County, Texas. The location is approximately 90,528 square feet (2.08 acres) of un-reclaimed surface area. The legal description of the area is BLK A-52 SEC 16 AB 1883 ALL PSL.



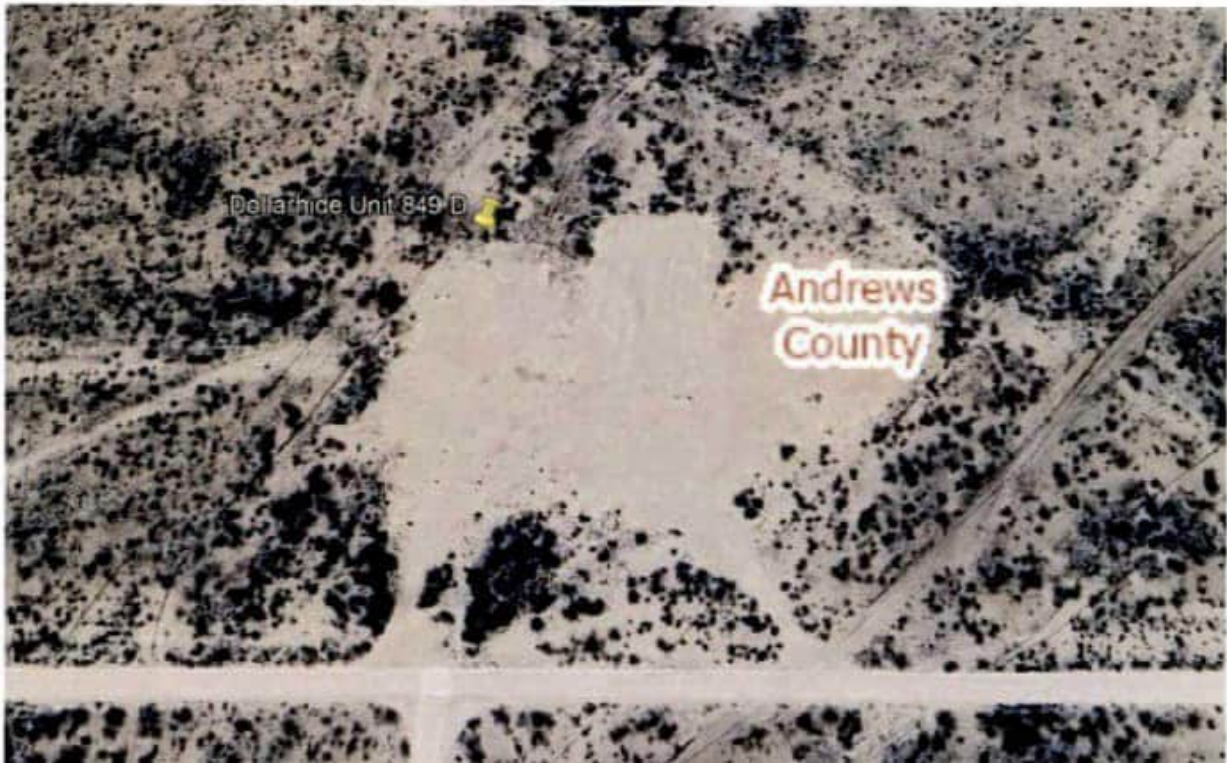
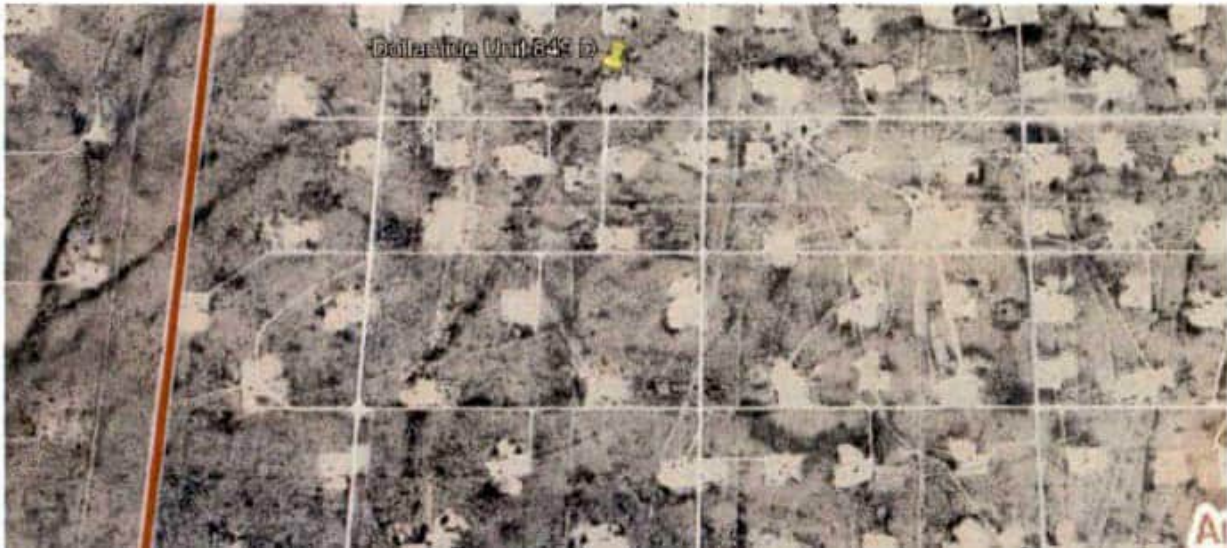
Dollarhide Unit 715CT (32.169459, -103.047375)-PluQaed and Abandoned welt pad location approximately 1.04 miles East of the New Mexico/Texas state line and 1.6 miles from the intersection of SW 9999 and SW 9751, Andrews County, Texas. The location is approximately 71,400 square feet (1.64 acres) of un-reclaimed surface area. The legal description of the area is BLK A-52 SEC 17 AB 1884 ALL PSL



Dollarhide Unit 767 C (32.169307, -103.045598)- Plugged and Abandoned well pad location approximately 1.13 miles East of the New Mexico/Texas state line and 1.6 miles from the intersection of SW 9999 and SW 9751, Andrews County, Texas. The location is approximately 30,932 square feet (0.71 acres) of un-reclaimed surface area. The legal description of the area is BLK A-52 SEC 17 AB 1884 ALL PSL



Dollarhide Unit 849 D (32.169143, -103-053825)- Plugged and Abandoned well pad location approximately 0.62 miles East of the New Mexico/Texas state line and 1.75 miles from the intersection of SW 9999 and SW 9751, Andrews County, Texas. The location is approximately 82,875 square feet (1.90 acres) of un-reclaimed surface area. The legal description of the area is BLK A-52 SEC 16 AB 1883 ALL PSL.





APPENDIX B

Locations of Excavated Soils,

WDDU 42 (32.179413, -103.076122)-Well pad location located approximately .66 miles West of New Mexico/Texas state line in Lea County, New Mexico. Location has offsite impacts from historic produced water contamination to the East and North of location.

WDDU 42 - 4,000 cubic yards



-  Sample Point (Combined 5-Point Sample for Waste Characterization Sample (WCS))
-  Inferred Release (2,754 sq. m.)

Project No.: AR257051
 Date: Apr 10 2025
 Drawn By: JWL
 Reviewed By: JRG



5847 50th St
 Lubbock, TX

PH. 806-300-0140 terracon.com

Waste Characterization Sample Map

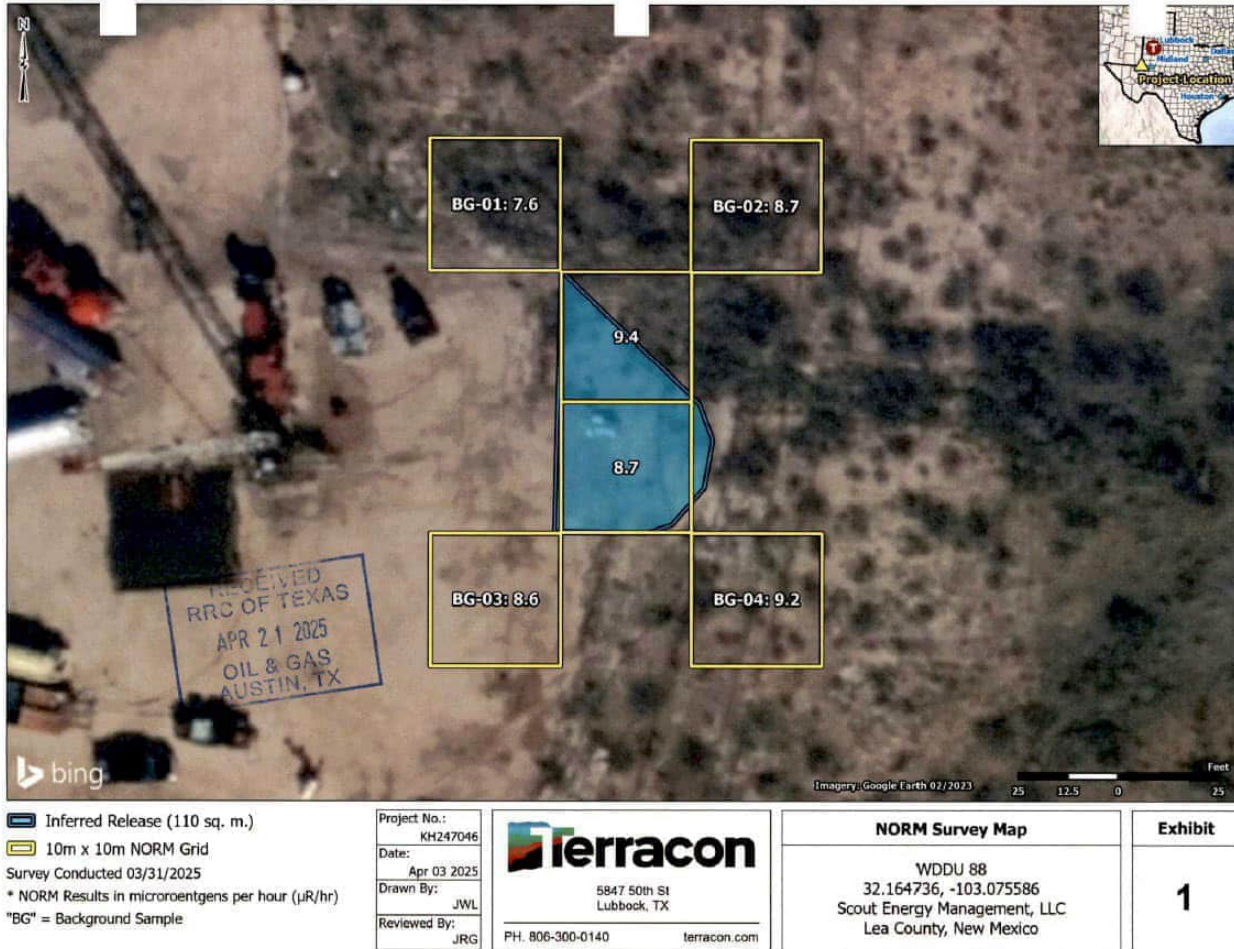
WDDU #42
 32.179328, -103.076061
 Scout Energy Management, LLC
 Lea County, New Mexico

Exhibit

1

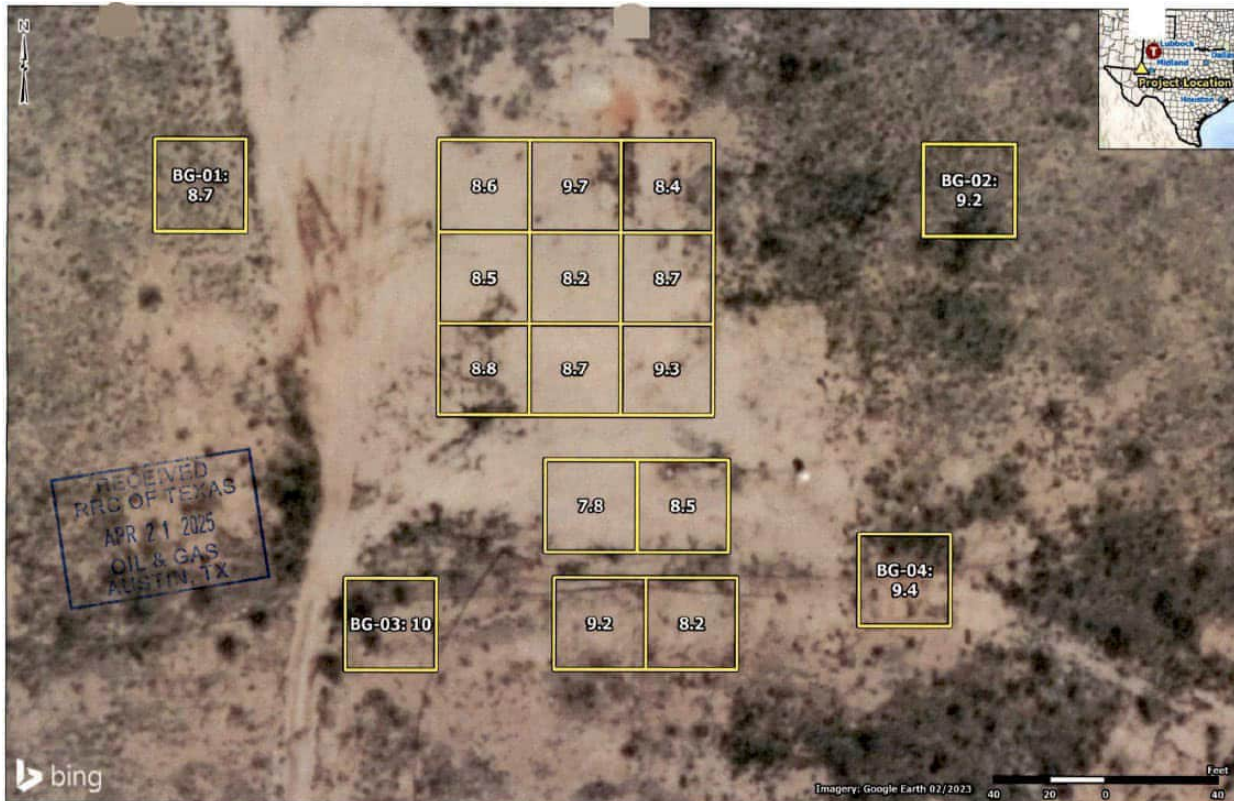
WDDU 88 (32.164798, -103.075572)-Well pad location located approximately .64 miles West of New Mexico/Texas state line in Lea County, NM. Location has onsite impacts and off-site impacts on the East side of the location from historic produced water contamination.

WDDU 88 - 90 cubic yards



WDDU 46 (32.178454, -103.092173)-Well pad location located approximately 1.60 miles West of the New Mexico/Texas state line in Lea County, NM. Location has onsite impacts and off-site impacts on the North and South sides from historic produced water contamination.

WDDU 46 - 1,320 cubic yards



10m x 10m NORM Grid
 Survey Conducted 03/31/2025
 * NORM Results in microrentgens per hour (µR/hr)
 *BG" = Background Sample

Project No.:	KH247046
Date:	Apr 03 2025
Drawn By:	JWL
Reviewed By:	JRG

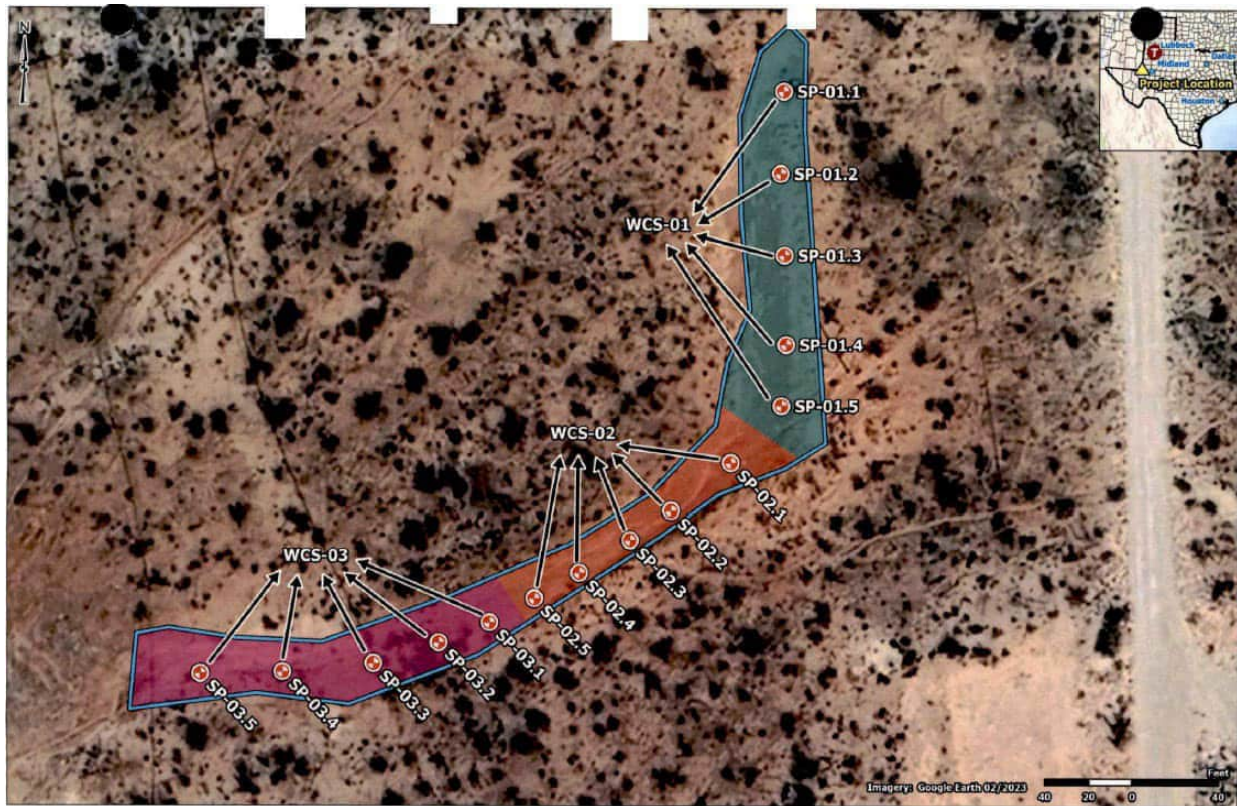
Terracon
 5847 50th St
 Lubbock, TX
 PH. 806-300-0140 terracon.com

NORM Survey Map
WDDU #46 32.178495, -103.092195 Scout Energy Management, LLC Lea County, New Mexico

Exhibit
1

WDDU Water Station (32.170952, -103.089389)-Off Site location located approximately 1.46 miles West of the New Mexico/Texas state line and 0.28 miles North of the intersection of Saga Ln and Dollarhide Road in Lea County, NM. Site is a historic produced water release from a pipeline associated with the WDDU Water Plant located approximately 0.56 miles to the North.

WDDU Water Station - 10,963 cubic yards



Inferred Release (1,404 sq. m.)

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RRC OF TEXAS
APR 21 2025
OIL & GAS

Project No.:
AR257050
Date:
Apr 10 2025
Drawn By:
JWL
Reviewed By:
JRG

Terracon
5847 50th St
Lubbock, TX
PH. 806-300-0140 terracon.com

Waste Characterization Sample Map

WDDU Water Station
32.171070, -103.089443
Scout Energy Management, LLC
Lea County, New Mexico

Exhibit

1

CC Fristoe A&B Federal Tank Battery (32.177595, -103.129476)-Tank Battery location located approximately 3.75 miles West of the New Mexico/Texas state line and 0.82 miles East of the intersection of Dollarhide Road and Willis Road in Lea County, NM. Site is a historic produced water release associated with tank overflow on location and has offsite impacts to the North and West of location.

CC Fristoe A&B Federal Tank Battery - 1,165 cubic yards



APPENDIX B
NMSLO Cultural Resource Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available): B096130006 and B0931

Cultural Resources Consultant: Terracon Consultants Inc

Project Proponent (Applicant): Scout Energy Managment, LLC

Project Title/Description: Remediation and Reclamation ARMS Review for WDDU #42, WDDU #88, and WDDU #101 Water Station

Project Location:

County(ies): Lea

PLSS/Section/Township/Range): T24S R38E S32; T25S R38E S5; T24S R38E S32

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

APPENDIX C
Desktop Protected Species Review

Protected Species Habitat Desktop Review

Scout WDDU #042

Jal, Lea County, New Mexico

March 12, 2025 | Terracon Project Number: KH247046

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Prepared for:

Scout Energy Management, LLC.
4901 LBJ Fwy, Ste. 300
Dallas, TX 75244



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials



5307 Industrial Oaks Blvd. Ste 160
Austin, Texas 78735
P (512) 442-1122
F (512) 442-1181
Terracon.com

March 12, 2025

Scout Energy Management, LLC.
4901 LBJ Fwy, Ste. 300
Dallas, TX 75244

Attn: New Mexico State Lands Office
310 Old Santa Fe Trail
P.O. Box 1148
Santa Fe, New Mexico, NM 87504-1148

RE: Protected Species Habitat Desktop Review
Scout WDDU #042
32° 09' 53.1"N 103° 04' 32.1"W
Jal, Lea County, New Mexico
Terracon Project Number: KH247046

To Whom It May Concern:

Terracon is pleased to submit this Protected Species Habitat Desktop Review to Scout Energy Management, LLC. This assessment was performed for the above-referenced project in accordance with Terracon project number KH247046 dated February 10, 2025. This desktop review was performed by qualified biologists but is limited and does not constitute an on-site evaluation of habitat suitability or presence/absence survey for a particular species by a qualified biologist.

Literature and agency file searches were conducted to review the potential occurrence of federal and state listed threatened and endangered (T&E) species or habitats located in the subject property vicinity. The search included information from the United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) system and the New Mexico Department of Game and Fish (NMDGF) Environmental Review Tool (ERT). The presence or absence of potentially suitable habitat within the project area, for species identified as having the potential to occur, was evaluated using site reconnaissance (i.e., review of site photographs), publicly available land cover data, and review by a qualified wildlife biologist.

The attached species lists (see Attachment A) identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of the proposed project. For the purposes of this review, it is

assumed that the presence of a particular protected species' habitat within the project site indicates that the species has the potential to be impacted by the proposed project. The species list fulfills the requirements of the USFWS under section 7(c) of the Endangered Species Act (ESA), as amended (16 U.S.C. 1531 *et seq.*).

The following information identifies the findings of the Protected Species Habitat Desktop Review:

State-listed Species

The desktop review did not identify potentially suitable habitat for state-listed species. Should state-listed species be encountered during the proposed undertaking, activity should halt, and a qualified biologist should be contacted to determine the appropriate mitigative action.

Bald and Golden Eagle Protection Act

Review of aerial and site photos revealed partially cleared desert scrubland within and around the project area. Typical habitat requirements for the bald eagle (*Haliaeetus leucocephalus*) include broad swaths of undeveloped land, large trees and/or cliffs for nesting habitat, and large waterbodies (i.e., navigable rivers, lakes, reservoirs, large ponds, etc.) for foraging/hunting activities. Typical habitat requirements for the golden eagle (*Aquila chrysaetos*) include grasslands, arid deserts with sparse vegetation, intermittent forested habitat, and are typically found in open country in the vicinity of hills, cliffs, and bluffs. This species is known to be sensitive to human activity and typically avoid developed areas. This habitat is not present within the project area. Therefore, development within the project area would likely not result in a take as it pertains to the Bald and Golden Eagle Protection Act (BGEPA).

Migratory Bird Treaty Act

The project area is located within The Shinnery Sands level IV ecoregion and is comprised of sand shinnery oak scrub, desert grasses, soapweed yucca and sand sagebrush. Hydrology was also not evident per review of current aerials of the project area. The NMDGF ERT's Official Species List identifies the Western burrowing owl (*Athene cunicularia hypugaea*; a Species of Conservation Concern [SCC]), common nighthawk (*Chordeiles minor*), Lewis's woodpecker (*Melanerpes lewis*; SCC), loggerhead shrike (*Lanius ludovicianus*; SCC), yellow-billed cuckoo (*Coccyzus americanus*; Species of Greatest Conservation Need [SGCN]), vesper sparrow (*Pooecetes gramineus*; SCC), thick-billed longspur (*Rhynchophanes mccownii*), and the chestnut-collared longspur (*Calcarius ornatus*; SCC) as migratory bird species having the potential to be present within the project area. Suitable habitat for the Western burrowing owl may be present within the project area due to the well-draining sandy soil, arid climate, and open desert scrubland vegetation. This species typically inhabits prairie dog (*Cynomys* spp.) burrows, and the presence of these burrows has not been confirmed within the project site. Suitable habitat for the common nighthawk may be present within the project area due

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to the open desert scrubland vegetation. However, the absence of grassland areas, riparian areas, and limited presence of woody vegetation indicates the project area represents potentially unsuitable migratory bird nesting habitat for the Lewis's woodpecker, loggerhead shrike, vesper sparrow, thick-billed longspur, and chestnut-collared longspur. Development within the project area would likely not result in 'take' to the remaining birds protected under the Migratory Bird Treaty Act (MBTA).

USFWS IPaC Report

Protected species are listed on the USFWS IPaC system. An Official Species List, dated March 7th, 2025, was generated by IPaC and transmitted to Terracon on behalf of the New Mexico Ecological Services Field Office (ESFO). Section 7 of the ESA requires federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for projects that are conducted, permitted, funded, or licensed by federal agency. A letter from the local office and a species list, which fulfills this requirement, can only be obtained by requesting an official species list from either the Regulatory Review section in IPaC or from the local field office directly. The Official Species List generated for Lea County, New Mexico, includes three species as having the potential to occur within the project area and vicinity. These species, and the probability of their occurrence within the project area, are discussed in detail below. There are no critical habitats within the project area under the USFWS New Mexico ESFO's jurisdiction.

Birds

The northern Aplomado falcon (*Falco femoralis septentrionalis*) is listed as Endangered wherever found, except where they are listed as an experimental population, such as Arizona and New Mexico. The species historical range includes Arizona, New Mexico, Texas, Mexico, and Guatemala. No critical habitat has been designated for this species. The Northern Aplomado Falcon's habitat is variable throughout the species range and includes palm and oak savannahs, various desert grassland associations, and open pine woodlands. Within these variations, the essential habitat elements appear to be open terrain with scattered trees with relatively low ground cover. The species appears to be non-migratory throughout its range and typically nests in abandoned stick platforms of corvids and other raptors. Potentially suitable habitat for the northern Aplomado falcon is not present within the project area.

The lesser prairie-chicken (*Tympanuchus pallidicinctus*) is listed as endangered and has a historic range including Colorado, Kansas, New Mexico, Oklahoma, and Texas. No critical habitat has been designated for this species. Habitat for this species is within the Shinnery Oak Prairie Ecoregion of New Mexico and Texas and includes native grasslands and shrublands with diversity and limited anthropogenic structures and trees. Lesser prairie-chickens inhabit mixed grass-dwarf shrub communities that occur on sandy soils. Leks typically occur on knolls or ridges with relatively short and/or sparse vegetation. Lesser prairie-chicken leks may be in human-created open areas (e.g., oil well pads, roads, reverted cropland, cultivated fields, and areas treated with herbicides) and recently burned areas. Nesting sites are in sand sagebrush or shinnery oak grasslands with high canopy cover and moderate vertical and horizontal

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cover. Females prefer to nest in relatively tall, dense vegetation. Potentially suitable habitat for the lesser prairie-chicken is not present within the project area.

Insects

The monarch butterfly (*Danaus Plexippus*) is listed as a proposed threatened species under consideration for official listing for which there is sufficient information to support listing. The population is known to or is believed to occur across 50 states, including New Mexico and Texas. No critical habitat has been designated for this species. The monarch butterfly breeds year-round and undergoes a long-distance migration which begins in the fall. This migration can take monarchs distances of over 3,000 kilometers (km) to Mexico and last for over two months. Breeding areas are typically patches of milkweed and overwintering habitats include high altitude Mexican conifer forests. Palustrine habitats include herbaceous wetlands and scrub-shrub wetlands, and terrestrial habitats include sand/dunes, cropland, conifer and hardwood woodlands, savannas, grasslands, suburban areas, and shrubland/chaparral. The project area may represent marginally suitable migratory stop-over habitat for the monarch butterfly.

NMDGF Environmental Review Tool (ERT) Report

This report contains information on wildlife species protected under the ESA and the Wildlife Conservation Act (WCA). Additionally, species designated as being Species of Greatest Conservation Need (SGCN) and Species of Economic and Recreational Importance (SERI) are included. SGCN are identified in the State Wildlife Action Plan (SWAP) for New Mexico; all of these species are considered to be of conservation concern but not all of them are protected from take at the state or federal level. The harvest of all SERI is regulated at the state level. The NMDGF has no authority to designate critical habitat for species listed under the WCA; only the USFWS can designate critical habitat for species listed under the ESA. An Official Species List, dated March 7th, 2025, was generated by NMDGF ERT and transmitted to Terracon on behalf of the NMDGF office. The Official Species List generated for Lea County, New Mexico, includes seventeen species as having the potential to occur within the project area and vicinity. These species, and the probability of their occurrence within the project area, are summarized in Table 1 below.

Table 1. NMDGF ERT listed species for Lea County, New Mexico.

Species	USFWS Status (ESA)	NMDGF (WCA)	NMDGF SGCN/SERI	Habitat Description	Habitat Presence
Barking frog (<i>Craugastor augusti</i>)	-	-	SGCN	Low elevation areas in shrublands and deserts including treeless, dry, yucca-covered hills and brushy woodland; open pine forests; juniper-live oak woodland (Texas); in large, low clumps of cactus (Sonora); often in rocky limestone areas. It lays eggs in moist sites on land under rocks or logs, or in caves	No; suitable habitat is not present within the study area

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				or crevices. Hides under rocks, in caves or crevices, or in burrows. Those in New Mexico and far western Texas live in rodent burrows in desert scrub	
Plains leopard frog (<i>Lithobates blairi</i>)	-	-	SGCN	In the vicinity of streams, ponds, creek pools, reservoirs, irrigation ditches, and marshes in areas of prairie and desert grassland, farmland, and prairie canyons. Oak and oak-pine woodland as habitat. Generally, in or near water, but may range into surrounding terrestrial habitat in wet weather. When disturbed, they often seek refuge in vegetation surrounding bodies of water.	No; suitable habitat is not present within study area
Aplomado falcon (<i>Falco femoralis</i>)		LE	SGCN	Open country, especially savanna and open woodland, and sometimes very barren areas. Grassy plains and valleys with scattered mesquites, yucca, and cactus. Desert grassland in Chihuahua.	No; suitable habitat is not present within study area
Yellow-billed cuckoo (<i>Coccyzus americanus</i>)	T	-	SGCN	Breeding habitat includes open woodland (especially where undergrowth is thick), parks, deciduous riparian woodland; in the West, nests in tall cottonwood and willow riparian woodland. Nests in deciduous woodlands, moist thickets, orchards, overgrown pastures; in tree, shrub, or vine, an average of 1-3 meters above ground. Nonbreeding habitat includes forest, woodland, and scrub.	No; suitable habitat is not present within study area
Western burrowing owl (<i>Athene cunicularia hypugaea</i>)	-	-	SGCN	Short vegetation and presence of fresh small mammal burrows. Found in open grasslands, especially prairies, plains, and savanna, sometimes in open areas such as vacant lots near human habitation (e.g., campuses, airports, golf courses, perimeter of agricultural fields, banks of irrigation canals). Nests and roosts in abandoned burrows dug by mammals (especially prairie dogs, also ground squirrel (CITELLUS SPP.))	Yes; suitable habitat may be present within study area
Common nighthawk (<i>Chordeiles minor</i>)	-	-	SGCN	Shrubland/chaparral, mountains and plains in open and semi-open areas: open coniferous forests, savanna, grasslands, fields, vicinity of cities and towns. Nesting occurs on the ground on a bare site in an open area. In some areas, this species also nests on flat gravel roofs of buildings. It prefers areas with	Yes; suitable habitat may be present within study area

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				sandy soil in the southern United States.	
Lewis's woodpecker (<i>Melanerpes lewis</i>)	-	-	SGCN	Breeding habitat includes open forest and woodland, often logged or burned, including oak, coniferous forest (primarily ponderosa pine [PINUS PONDEROSA], riparian woodland and orchards. Distribution is closely associated with open ponderosa pine forest. Important habitat features include an open tree canopy, a brushy understory with ground cover, dead trees for nest cavities; dead or downed woody debris, perch sites, and abundant insects. Nonbreeding habitats may include scrub oak, pecan orchards, and cottonwoods.	No; suitable habitat is not present within the study area
Pygmy nuthatch (<i>Sitta pygmaea</i>)	-	-	SGCN	Range extent includes central New Mexico. Pine forest and woodland, especially ponderosa pine. At night they may roost in groups in tree cavities.	No; suitable habitat is not present within the study area
Sprague's pipit (<i>Anthus spragueii</i>)	-	-	SGCN	Nonbreeding range includes southern New Mexico. Breeding habitat includes short-grass plains, mixed grass prairie, alkaline meadows, and wet meadows. This species is found in grasslands with mid-height vegetation, including upland mixed-grass prairie, alkaline meadows, and wet meadow zones around alkali and freshwater lakes. Habitat during migration and in winter consists of pastures and weedy fields, including grasslands with dense herbaceous vegetation or grassy agricultural fields.	No; suitable habitat is not present within the study area
Loggerhead shrike (<i>Lanius ludovicianus</i>)	-	-	SGCN	Nonbreeding habitat includes northern New Mexico. Breeding habitat includes open country with scattered trees and shrubs, savanna, desert scrub (southwestern U.S.), and, occasionally, open woodland; often perches on poles, wires or fenceposts. For nesting, they prefer shortgrass pastures and nests in shrubs or small deciduous or coniferous trees. Nonbreeding habitat includes woodlots, pastures, shrubland, and open forests.	No; suitable habitat is not present within the study area
Vesper sparrow (<i>Pooecetes gramineus</i>)	-	-	SGCN	Breeding range includes New Mexico. Habitats include plains, prairies, dry shrublands, savannas, weedy pastures, fields, sagebrush, arid scrub, and woodland clearings. Nests are on the ground, often in a	No; suitable habitat is not present within the study area

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				small depression near a clump of grass.	
Thick-billed longspur (<i>Rhynchophanes mccownii</i>)	-	-	SGCN	Nonbreeding habitat includes central New Mexico south through Sonora and Chihuahua. Habitat includes sparse short-grass plains, plowed and stubble fields, and areas of bare or nearly bare ground. Nests are usually in a scrape on the ground at the base of a bush or clump of grass, or beside cattle dung.	No; suitable habitat is not present within the study area
Chestnut-collared longspur (<i>Calcarius ornatus</i>)	-	-	SGCN	Nonbreeding habitat includes eastern New Mexico. Breeding habitat includes level to rolling mixed-grass and shortgrass uplands, and, in drier habitats, moist lowlands. Prefers open prairies and avoids excessively shrubby areas. Nonbreeding habitat includes grasslands and deserts with primarily grasses and forbs, vegetation less than 0.5 m. Also cultivated fields and near water sources.	No; suitable habitat is not present within the study area
Black-tailed prairie dog (<i>Cynomys ludovicianus</i>)	-	-	SGCN	Habitat consists of dry, flat or gently sloping, open grasslands with low, relatively sparse vegetation, including areas overgrazed by cattle. The species occurs in open vacant lots at town edges in some areas. Habitat types represented by this species include all major grassland types--short, mixed, and tall.	No; suitable habitat is not present within the study area
Mule deer (<i>Odocoileus hemionus</i>)	-	-	SGCN	Habitat includes mountains and lowlands, including various forests and woodlands, forest edges, shrublands, grasslands with shrubs, and residential areas. They are often associated with successional vegetation, especially near agricultural lands.	No; suitable habitat is not present within the study area
Pronghorn (<i>Antilocapra americana</i>)	-	-	SGCN	Habitat includes grasslands, sagebrush plains, deserts, and foothills. Need for free water varies with succulence of vegetation in the diet. Birth and fawn bedding sites in a sagebrush-steppe community in south-central Wyoming were in dense shrub cover, but the tallest, most dense cover was avoided.	No; suitable habitat is not present within the study area
Desert massasauga (<i>Sistrurus catenatus edwardsii</i>)	-	-	SGCN	Habitat includes rocky, semi-arid and arid areas, and is mostly found in desert grasslands.	No; suitable habitat is not present within the study area

Sources: NMDGF ERT Species List requested and received March 7, 2025; NatureServe Explorer
 SERI = Species of Economic and Recreational Importance; SGCN = Species of Greatest Conservation Need; LE = Listed Endangered;
 T = Threatened

The yellow-billed cuckoo (*Coccyzus americanus*) is listed as threatened in the western distinct population segment (DPS) which reflects the habitat loss and population declines in the western United States. Additionally, this species is recognized as a SGCN in New Mexico and is listed as a vulnerable species. The historic range extends from the interior of California to southern Idaho, southeastern Montana, the Dakotas, southern Manitoba, Minnesota, New Brunswick, and south to southern Baja California, southern Arizona, Coahuila, Chihuahua, Neuvo Leon, Tamaulipas, the U.S. Gulf Coast, and the Florida Keys. Critical habitat has been designated for this species and identifies riparian woodlands across the western United States and specifically in New Mexico, riparian corridors along major rivers such as the Rio Grande, Gila River, Mimbres River, San Francisco River, and the Caballo Delta. Habitat for this species includes open woodlands with thick undergrowth, parks, deciduous riparian woodlands, and in the West, nests in tall cottonwood and willow riparian woodlands. Nonbreeding habitat includes forest, woodland, and scrubland areas. Breeding often coincides with the appearance of massive numbers of cicadas, caterpillars, or other large insects and the clutch size is typically one to five eggs and the young are parented by both parents. Territory size averages 20-24 hectares around the nest. Known predators of adults include the Aplomado falcon (*Falco femoralis*), the red-shouldered hawk (*Buteo lineatus*), and other raptors. Potentially suitable habitat for the yellow-billed cuckoo is not present within the project area.

Summary

It is the opinion of Terracon that the project area may potentially offer suitable nesting habitat for birds protected under the MBTA that are listed through the NMDFG Official List including the Western burrowing owl and the common nighthawk. This desktop review did not identify the presence of suitable habitat for federally protected species listed within the IPaC, sensitive habitats, or designated critical habitats within the project area. The project area may represent marginally suitable migratory stop-over habitat for the proposed threatened monarch butterfly. This assessment was performed in accordance with generally accepted practices of this profession undertaken in similar studies at the same time and in the same geographical area. This letter report has been prepared in accordance with generally accepted scientific and engineering evaluation practices. No warranties, either express or implied, are intended or made.

If you have questions regarding the content of this report, please contact Kelly Griffin by phone at (979) 236-2647 or by email at kelly.griffin@terracon.com.

Sincerely,
Terracon Consultants, Inc.

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Kelly Griffin, M.A. Geo
Staff Scientist



Jeff Jenkerson, M.S., CWB
Authorized Project Reviewer

Chuck Smith
Project Manager

ATTACHMENT A

Supporting Documentation

List of Preparers

- **Kelly Griffin** (Terracon Consultants, Inc.)
M.Applied Geography in Natural Resources and Environmental Studies
Years of Applicable Experience: 2
Responsible for: **Report Authoring**
- **Jeff Jenkerson, M.S., CWB** (Terracon Consultants, Inc.)
M.S. Wildlife Ecology
B.S. Biology
Years of Applicable Experience: 10
Responsible for: **Subject Matter Expert / Authorized Project Reviewer**



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To:
Project Code: 2025-0066176
Project Name: Scout – WDDU #042

03/08/2025 00:05:59 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

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We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office

2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

Project code: 2025-0066176

03/08/2025 00:05:59 UTC

PROJECT SUMMARY

Project Code: 2025-0066176

Project Name: Scout – WDDU #042

Project Type: Acquisition of Lands

Project Description: Sensitive species desktop analysis for a remediation project.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.179193,-103.07590638276389,14z>



Counties: Lea County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2025-0066176

03/08/2025 00:05:59 UTC

BIRDS

NAME	STATUS
Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i> Population: Southern DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1924	Endangered
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923	Experimental Population, Non- Essential

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

Project code: 2025-0066176

03/08/2025 00:05:59 UTC

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Kelly Griffin
Address: 5307 Industrial Oaks Blvd. Suite 160
City: Austin
State: TX
Zip: 78735
Email: kelly.griffin@terracon.com
Phone: 9792362647



PROJECT INFORMATION

Project Title: Scout Wddu #042
Project Type: ENERGY DEVELOPMENT, OIL AND GAS DEVELOPMENT
Latitude/Longitude (DMS): 32.179312 / -103.075797
County(s): LEA
Project Description: This project is within the beginning stages of land reclamation planning for potential petroleum storage and distribution in Jal, Lea County, New Mexico.

REQUESTOR INFORMATION

Project Organization:
Contact Name: Kelly Griffin
Email Address: kelly.griffin@terracon.com
Organization: Terracon Consultants, Inc.
Address: 5307 Industrial Oaks Blvd. Suite 160, Austin TX 78735
Phone: 9792362647

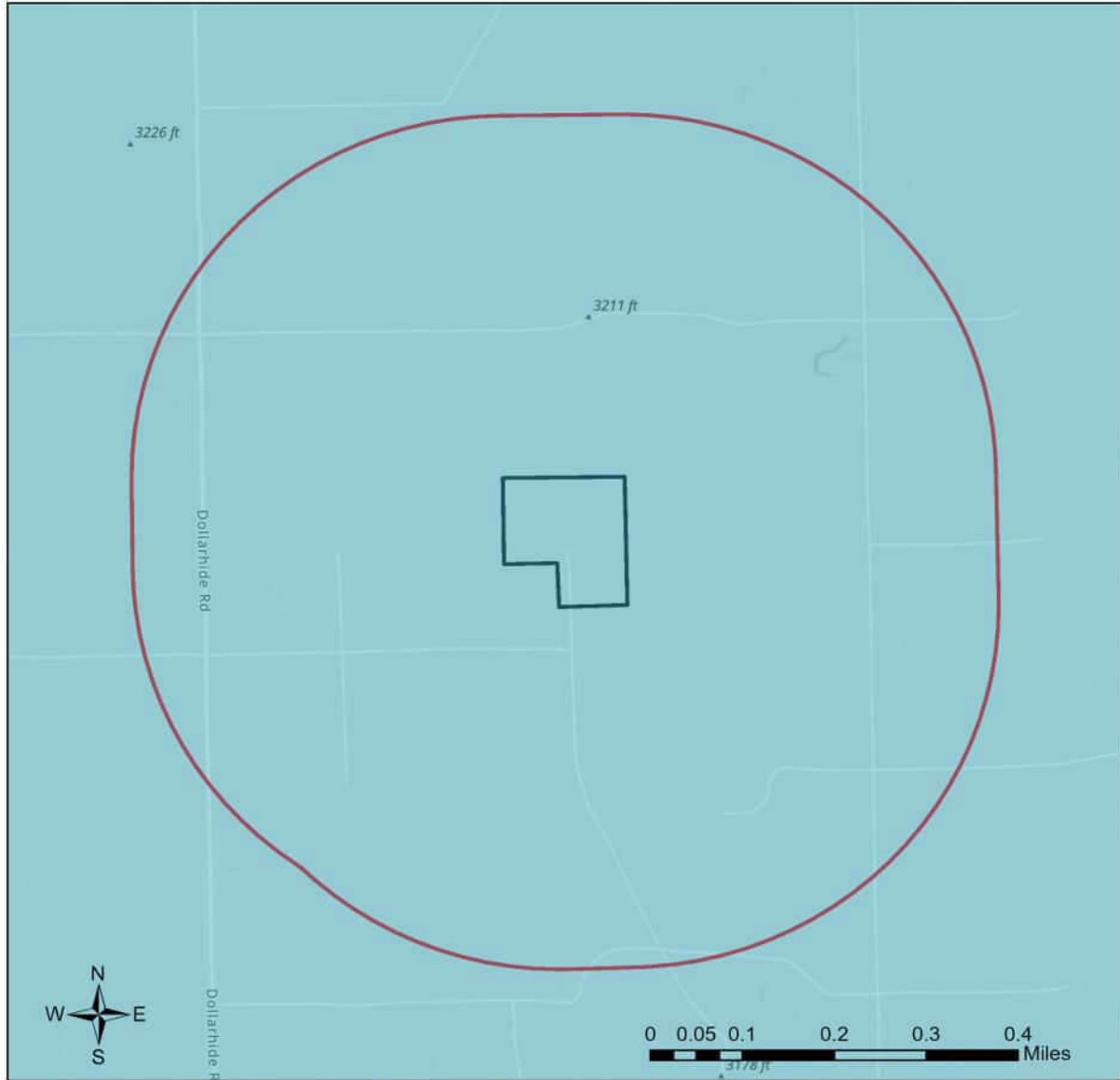
OVERALL STATUS

This report contains an initial list of recommendations regarding potential impacts to wildlife or wildlife habitats from the proposed project; see the Project Recommendations section below for further details. Your project proposal is being forwarded to a New Mexico Department of Game and Fish (Department) biologist for review to determine whether there are any additional recommendations regarding the proposed actions. A Department biologist will be in touch within 30 days if there are further recommendations regarding this project proposal.

About this report:

- This environmental review is based on the project description and location that was entered. The report must be updated if the project type, area, or operational components are modified.
- This is a preliminary environmental screening assessment and report. It is not a substitute for the potential wildlife knowledge gained by having a biologist conduct a field survey of the project area. Federal status and plant data are provided as a courtesy to users. The review is also not intended to replace consultation required under the federal Endangered Species Act (ESA), including impact analyses for federal resources from the U.S. Fish and Wildlife Service (USFWS) using their [Information for Planning and Consultation tool](#).
- This report contains information on wildlife species protected under the ESA and the [Wildlife Conservation Act \(WCA\)](#), [Species of Greatest Conservation Need \(SGCN\)](#), and Species of Economic and Recreational Importance (SERI). Species listed under the ESA are protected from take at the federal level and under the WCA are protected from take at the state level. SGCN are identified in the [State Wildlife Action Plan \(SWAP\) for New Mexico](#); all of these species are considered to be of conservation concern but not all of them are protected from take at the state or federal level. The harvest of all SERI is regulated at the state level. The Department has no authority to designate critical habitat for species listed under the WCA; only the USFWS can designate critical habitat for species listed under the ESA.
- The New Mexico Environmental Review Tool (ERT) utilizes species observation locations and species habitat suitability models, both of which are subject to ongoing change and refinement. Inclusion or omission of a species within a report cannot guarantee species presence or absence within your project area. To determine occurrence of any species listed in this report, or other wildlife that may be present within your project area, onsite surveys conducted by a qualified biologist during appropriate, species-specific survey timelines may be necessary.
- The Department encourages use of the ERT to modify proposed projects for avoidance, minimization, or mitigation of wildlife impacts. However, the ERT is not intended to be used in a repeatedly iterative fashion to adjust project attributes until a previously determined recommendation is generated. The ERT serves to assess impacts once project details are developed. The [New Mexico Crucial Habitat Assessment Tool](#), the data layers from which are included in the ERT, is the appropriate system for advising early-stage project planning and design to avoid areas of anticipated wildlife concerns and associated regulatory requirements.

Scout Wddu #042



- | | | |
|------------------------------|----------------------------|---|
| Buffered Project Boundary | NM State Forestry Division | U.S. Army Corps of Engineers |
| Project_Boundary | NM State Parks | U.S. Bureau of Reclamation |
| Bureau of Land Management | National Park Service | U.S. Department of Agriculture |
| City Land | Other Federal Agency | U.S. Fish and Wildlife Service |
| County Land | Other Federal Agency | U.S. Forest Service |
| Department of Defense | State Land Office | U.S. Natural Resources Conservation Service |
| Department of Energy | State of New Mexico | |
| NM Department of Game & Fish | Tribal Land | |

NHNM, USGS, USFS, US Census Bureau, NMDGF
 Esri, NASA, NGA, USGS, FEMA
 Esri Community Maps Contributors, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Project Recommendations

Your proposed project activities may require a custom review for assessment of potential effects to wildlife. See the "OVERALL STATUS" section above to determine the likelihood that your project will be reviewed further based on its location. A Department biologist will confirm whether any additional conservation measures are needed. You should expect to receive any additional project recommendations within 30 days of your project submission. If the "OVERALL STATUS" section indicates that no further consultation with the Department is required based on its location, then you will only receive additional project feedback from the Department if a biologist deems it necessary.

Burrowing owl (*Athene cunicularia*) may occur within your project area. Burrowing owls are protected from take by the Migratory Bird Treaty Act and under New Mexico state statute. Before any ground disturbing activities occur, the Department recommends that a preliminary burrowing owl survey be conducted by a qualified biologist using the Department's [Burrowing Owl Survey Protocol](#). Should burrowing owls be documented in the project area, please contact the Department or USFWS for further recommendations regarding relocation or avoidance of impacts.

Prairie dog colonies may occur within the vicinity of your project area. Both black-tailed prairie dogs (*Cynomys ludovicianus*) and Gunnison's prairie dogs (*Cynomys gunnisoni*) are designated as New Mexico SGCN, and their colonies provide important habitat for other grassland wildlife. Wherever possible, occupied prairie dog colonies should be left undisturbed, and all project activities should be directed off the colony. Any burrows that are located on the project site should be surveyed by a qualified biologist to determine whether burrows are active or inactive and whether burrowing owls may be utilizing the site. Colonies within the range of the black-tailed prairie dog can be surveyed by a qualified biologist diurnally, year-round using binoculars. Colonies within the range of the Gunnison's prairie dog can be surveyed by a qualified biologist diurnally, using binoculars during the warmer months from April through October and by searching for fairly fresh scat and lack of cobwebs or debris at the mouths of burrows during the cold months (November through March). If ground-disturbing activities cannot be relocated off the prairie dog colony, or if project activities involve control of prairie dogs, the Department recommends live-trapping and relocation of prairie dogs. The Department can provide recommendations regarding suitability of potential translocation areas and procedures.

Your project could affect important components of wildlife habitat, including fawning/calving or wintering areas for species such as deer and elk, or general high wildlife movement and activity areas for large mammals. Mitigation measures should focus on high use sites and movement areas based on collar data and expert knowledge of Department of Game and Fish and land management agency personnel. Management recommendations within these areas may include the following.

- Restrictions on noise-generating activities during wintering and calving/fawning seasons, specific timing of which may vary throughout the state. These activities would include oil and gas well pad development and operations that expose wildlife to loud noises from drilling, compressors, and pumping stations within 400 feet of the source.
- Modifying fences along high use areas to make them wildlife friendly and facilitate large animal movement.

Disclaimers regarding recommendations:

- The Department provides technical guidance to support the persistence of all protected species of native fish and wildlife, including game and nongame wildlife species. Species listed within this report include those that have been documented to occur within the project area, and others that may not have been documented but are projected to occur within the project vicinity.
- Recommendations are provided by the Department under the authority of § 17-1-5.1 New Mexico Statutes Annotated 1978, to provide "communication and consultation with federal and other state agencies, local governments and communities, private organizations and affected interests responsible for habitat, wilderness, recreation, water quality and environmental protection to ensure comprehensive conservation services for hunters, anglers and nonconsumptive wildlife users".
- The Department has no authority for management of plants or Important Plant Areas. The [New Mexico Endangered Plant Program](#), under the Energy, Minerals, and Natural Resources Department's Forestry Division, identifies and develops conservation measures necessary to ensure the survival of plant species within New Mexico. Plant status information is provided within this report as a courtesy to users. Recommendations provided within the ERT may not be sufficient to preclude impacts to rare or sensitive plants, unless conservation measures are identified in coordination with the Endangered Plant Program.
- Additional coordination and/or consultation may also be necessary under the federal ESA or National Environmental Policy Act (NEPA). Further site-specific mitigation recommendations may be proposed during ESA consultation and/or NEPA analyses or through coordination with affected federal agencies.

APPENDIX D
Photographic Log



Photo 1 View from W side of excavation looking E at release area.



Photo 2 View from W side of excavation looking E backfilled.



Photo 3 View from E side of excavation looking W at release area.



Photo 4 View from E side of excavation looking W backfilled.



Photo 5 View of looking N at the 6-foot deep excavation area.



Photo 6 View of looking N at the 6-foot deep excavation area backfilled.

APPENDIX E – Bills of Lading

Shipper's No. *npRS 0436511 10/21/25*

Carrier's No. *335 3625*

Carrier *Red Horn Environmental*

SCAC

Date *8-5-25*

TO: Consignee *Bell County 706 (T 003704)*

FROM: Shipper *WDOU 42 API 30-025-128*

Street *32,167532,103,04532*

Street *32,167532,103,04532*

Destination *Andrews County, TX* Zip

Origin *Lea County, NM* Zip

Route

Vehicle Number *74*

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
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<i>1</i>		<i>Produced Water Impacted Soil 20cy</i>			
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19

Remit COD to:
Address:
City: State: Zip:

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

COD AMT: \$

COD FEE: Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

TOTAL CHARGES: \$

FREIGHT CHARGES: Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: *Edm M... as agent of...*
PER: DATE: *8-5-25*

CARRIER: *Jose Garcia*
PER: DATE: *8-5-25*

EMERGENCY RESPONSE TELEPHONE NUMBER:

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

Must be filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

THIS SHIPPING ORDER

Shipper's No. NPRS 04 16511
 Carrier's No. 4271157 *DTP 10/2/25*
 Date 8-5-25

Carrier Red Horn Environmental SCAC _____ Date _____

TO: Consignee Yellowknife 708 (T 03704) FROM: Shipper WOODU 42 API 30-025-1001

Street 32, 167532, 103, 045321 Street 32, 179, 348 - 103, 046178

Destination Andrews (conty), TX Origin Lee (conty), NM Zip _____ Zip _____

Route _____ Vehicle Number 007 U.S. DOT Hazmat Reg. No. _____

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>		<u>Produced water, packed soil</u>	<u>20kg</u>		

Remit COD to: _____

Address: _____

City: _____ State: _____ Zip: _____

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

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

(Signature of Consignor) _____

COD AMT: \$ _____

TOTAL CHARGES: \$ _____

COD FEE: Prepaid Collect \$ _____

FREIGHT CHARGES: Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations, the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, it on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER: [Signature]

SHIPPER: [Signature] CARRIER: [Signature]

PER: [Signature] PER: _____ DATE: 8-5-25

EMERGENCY RESPONSE TELEPHONE NUMBER: 515390-SAFE

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER: _____

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. NPRS 0436517

Carrier Red Horn Environmental

Carrier's No. 4771157

SCAC

Date 8-5-25

TO: Consignee COASTSIDE FOS TX 03704

FROM: Shipper WDBU 42 APE 30-025-17

Street 32167537-103.045371

Street 32179348-103.076178

Destination Andrews Camp, TX

Origin Geo County, NJ Zip

Route

Vehicle Number 603 U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>		<u>Produced water Impacted Soil</u>			

Remit COD to:
Address:
City: State: Zip:

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

(Signature of Consignor)

COD AMT: \$
COD FEE: Prepaid Collect
TOTAL CHARGES: \$
FREIGHT CHARGES: Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier as are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, as destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Coast Medical Center of Andrews CARRIER: Red Horn
PER: 575-2910 DATE: 8-5-25 PER: DATE: 8-5-25

EMERGENCY RESPONSE TELEPHONE NUMBER: NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

2

THIS SHIPPING ORDER must be legibly filled in, in Ink, In Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. APRS 0436517

Carrier's No. 4271157

Carrier Red Horn Environmental

SCAC

Date 8-6-25

TO: Consignee Roberto Lopez (T 00364)

FROM: Shipper WOOU 42 APR 30-025123

Street 32.167532 103.04532

Street 32.179348, -103.076178

Destination Andrews County, TX Zip

Origin Lea County, NM Zip

Route

Vehicle Number 4

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>		<u>Produced Water Impacted Soil</u>	<u>2000</u>		

Remit COD to: Address: City: State: Zip:

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

COD AMT: \$

COD FEE: Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

TOTAL CHARGES: \$

FREIGHT CHARGES: Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, or destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Zach Mueller DATE: 8-6-25

CARRIER: Shenandoah DATE: 8-6-25

EMERGENCY RESPONSE TELEPHONE NUMBER: 575-659-2011

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. APAS 0436917

Carrier's No. 4271157

Carrier Red Horn Environmental

SCAC

Date 8-5-25

TO: Consignee 621101110 708 CT 009201

FROM: Shipper WOPU 42 (30-025-12321)

Street 32.167937-103.0453A

Street 32.179348-103.076128

Destination Andrews County, TX

Origin Lea County, NM Zip

Route

Vehicle Number 003

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
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<u>7</u>		<u>Produced Water Impacted Soils</u>	<u>2004</u>		
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Remit COD to:
Address:
City: State: Zip:

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

(Signature of Consignor)

COD AMT:
\$
COD FEE:
Prepaid
Collect \$
TOTAL CHARGES:
\$
FREIGHT CHARGES:
 Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier or are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, or destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: John Mueller as agent of State Energy CARRIER: Chris
PER: DATE: 8-5-25 PER: DATE: 8-5-25

EMERGENCY RESPONSE TELEPHONE NUMBER: NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER: 8-5-25

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. MPRS 0436517

Carrier Red Horn Environmental

Carrier's No. 477457
Date 8-5-25

TO: Consignee Oilfield 708CT

FROM: Shipper WOODU 42 30-025-123

Street 32,167 937 -103,0453A

Street 32,179 346 -103,076128

Destination Andrews County, TX Zip

Origin Lea County, NM Zip

Route

Vehicle Number 603 U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>		<u>Produced water impacted soil</u>	<u>20c</u>		

Remit COD to:
Address:
City: State: Zip:

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

COD AMT: \$
COD FEE: Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

TOTAL CHARGES: \$
FREIGHT CHARGES: Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. PER:

SHIPPER: [Signature]
PER: [Signature] DATE: 8-5-25

CARRIER: [Signature]
PER: [Signature] DATE: 8-5-25

EMERGENCY RESPONSE TELEPHONE NUMBER: 30-215

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. 14 PRS 0436517

Carrier's No. 477457

Carrier Red Horn Environmental

SCAC

Date 8-5-25

TO: Consignee Don Nade 708CT 00337041

FROM: Shipper W02042 (30-025-12371)

Street 32, 167537, -103, 049371

Street 72, 179348 -103, 076176

Destination Arizelis County, TX

Origin Lea County, NM

Route 04

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>2</u>		<u>Produce water impacted soil</u>	<u>200y</u>		

Remit COD to: Address: City: State: Zip:

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

COD AMT: \$

COD FEE: Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

TOTAL CHARGES: \$

FREIGHT CHARGES Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Zach Muela (Sent EPO 1/7)

CARRIER: Smart

PER: DATE: 8-5-25

PER: DATE: 8-5-25

EMERGENCY RESPONSE TELEPHONE NUMBER: 575-659-8011

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. NR 5 0436517

Carrier's No. 4271157

Carrier Red Horn Environmental

SCAC

Date 8-6-25

TO: Consignee Bella Verde 706 CT 02337

FROM: Shipper WDBU 47 (30-025-237)

Street 37.167537, -103.045371

Street 37.179348, -103.076128

Destination Andrews County, NM

Origin Lea County, NM Zip

Route

Vehicle Number 003

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>7</u>		<u>Produced water Impacted soil</u>	<u>206</u>		

Remit COD to:
 Address:
 City: State: Zip:
 NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

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

COD AMT:
 \$
TOTAL CHARGES:
 \$

COD FEE:
 Prepaid
 Collect \$

FREIGHT CHARGES
 Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier as are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, as destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Zach Muesel (Screw Energy) CARRIER: Chas King
 PER: 515-240-515 DATE: 8-6-25 PER: DATE: 8-6-25

EMERGENCY RESPONSE TELEPHONE NUMBER: NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. nPRS043697

Carrier's No. 4271157

Carrier Red Horn Environmental

SCAG

Date 8-6-25

TO: Consignee Yellowknife Job (T 0033404)

FROM: Shipper NOU 42 (30-025-137)

Street 32, 167 537, 103, 045371

Street 32, 179 348-103, 076128

Destination Andrews County TX

Origin Geer County, NM Zip

Route

Vehicle Number 04

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>		<u>Produced Water-Immerted Soil</u>	<u>20cy</u>		

Remit COD to: Address: City: State: Zip:

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

COD AMT: \$

COD FEE: Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

TOTAL CHARGES: \$

FREIGHT CHARGES: Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination or on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: 2014, WMM (Gardner) PER: DATE: 8-6-25

CARRIER: Spiritual PER: DATE: 8-6-25

EMERGENCY RESPONSE TELEPHONE NUMBER: 375-659-3611

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. NR50436517
Carrier's No. 4271157

Carrier Red Horn Environmental SCAC _____ Date 8-6-25
TO: Consignee Rollonhide 708 CT 0033704 FROM: Shipper Wobu42 (30-025-12321)
Street 32, 167537, -103, 045371 Street 32, 179348, -103, 076128
Destination Andrews County, TX Origin Lea County, NM Zip _____ Zip _____
Route _____ Vehicle Number 04 U.S. DOT Hazmat Reg. No. _____

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>		<u>Produced Water Imppe (ted sell)</u>	<u>200g</u>		

Remit COD to: _____
Address: _____
City: _____ State: _____ Zip: _____

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER _____

SHIPPER: Zach Munn (Scout Energy) CARRIER: _____
PER: _____ DATE: 8-6-25 PER: [Signature] DATE: 8-6-25

EMERGENCY RESPONSE TELEPHONE NUMBER: 575-659-1011 NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER: _____

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. APRS047697

Carrier's No. 4271157

Carrier Red Horn Environmental Metal

SCAC

Date 8-6-25

TO: Consignee Oilfield Job IT 0073704

FROM: Shipper WOU42, (30-025-1237)

Street 37,167537, 703,045371

Street 37,179348, 703,076128

Destination Andrews County, TX Zip

Origin Lea County, NM Zip

Route

Vehicle Number

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>1</u>		<u>Produced Water Impacted Soil</u>	<u>20CY</u>		

Remit COD to:
Address:
City: State: Zip:

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

COD AMT: \$

COD FEE: Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

TOTAL CHARGES: \$

FREIGHT CHARGES: Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier or are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, or destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route, to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: [Signature]
PER: 515-340-521 DATE: 8-6-25

CARRIER: [Signature]
PER: DATE: 8-6-25

EMERGENCY RESPONSE TELEPHONE NUMBER:

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

Shipper's No. NPR50433653517

Carrier's No. 3110656

Carrier Red Horn Environmental

SCAC

Date 09/04/25

TO: Consignee Dellchide Unit 715 CT (API: 00337053)

FROM: Shipper WDOU 42 (API: 30-025-12321)

Street 32.169459, -103.047375

Street 32.179675, -103.076324

Destination Andrews County, TX Zip

Origin Lea County, NM Zip

Route →

Vehicle Number 785

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1		Produced Water Hydrovac Spoils	12 CY		

Remit COD to:
Address:
City: State: Zip:

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

COD AMT:
\$
TOTAL CHARGES:
\$

COD FEE:
Prepaid
Collect \$

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

FREIGHT CHARGES:
 Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request, and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. PER:

SHIPPER: Daniel Pivetta as Agent for Grand Energy
PER: DATE: 09/04/25

CARRIER: Red Horn Environmental
PER: DATE: 09/04/25

EMERGENCY RESPONSE TELEPHONE NUMBER:

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

Shipper's No. NPR 0433653517

Carrier's No. 4271157

Carrier Red Horn Environmental

SCAC

Date 09/08/25

TO: Consignee Dellchide Unit 715 CT (API: 00337063)

FROM: Shipper WDOU 42 (API: 30-025-17321)

Street 32.169459, -103.047375

Street 32.179675, -103.076324

Destination Andrews County, TX Zip

Origin Lea County, NM Zip

Route Vehicle Number 817

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1		<u>Produced Water Impacted Soil</u>	<u>20 CY</u>		
<u>UNIT#: 003</u>					

Remit COD to:
Address:
City: State: Zip:

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

COD AMT:
\$

COD FEE:
Prepaid
Collect \$

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

TOTAL CHARGES:
\$

FREIGHT CHARGES:
 Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations: the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Daniel Pineda as Agent for Scout Energy
PER: DATE: 09/08/25

CARRIER: Ch. Ruiz
PER: 515-3909215 DATE: 09/08/25

EMERGENCY RESPONSE TELEPHONE NUMBER:

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

Shipper's No. **NPR5043365317**

Carrier's No. **4271157**

Carrier **Red Horn Environmental** SCAC _____ Date **09/08/25**

TO: Consignee **Dalhousie Unit 715 CT (API: 00337053)** **FROM:** Shipper **WIDU 42 (API: 30-025-12321)**

Street **32.169459, -103.047375** Street **32.179675, -103.076324**

Destination **Andrews County, TX** Zip _____ Origin **Lea County, NM** Zip _____

Route _____ Vehicle Number **818** U.S. DOT Hazmat Reg. No. _____

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1		Produced Water Impacted Soil	20 CY		
<p>UNIT#: 004I</p>					

Remit COD to: Address: City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request, and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

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

(Signature of Consignor)

COD AMT: \$ _____

TOTAL CHARGES: \$ _____

COD FEE: Prepaid Collect \$ _____

FREIGHT CHARGES: Prepaid Collect

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: **Daniel Pavelka as Agent for Grand Energy** CARRIER: **Smurthe**

PER: _____ DATE: **09/08/25** PER: _____ DATE: **09/08/25**

EMERGENCY RESPONSE TELEPHONE NUMBER: **575-694-5011** **NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:** _____

Shipper's No. NPR5043365317

Carrier's No. 4271157

Carrier Red Horn H Environmental

SCAC

Date 09/08/25

TO: Consignee Dallatide Unit 715 CT (API: 00337053)

FROM: Shipper WDOU 42 (API: 30-025-12321)

Street 32.169459, -103.047375

Street 32.179675, -103.076324

Destination Andrews County, TX Zip

Origin Lea County, NM Zip

Route

Vehicle Number 819

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1		Produced Water Impacted Soil	20CY		
UNIT#: 4					

Remit COD to:

Address:

City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

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

(Signature of Consignor)

COD AMT:

\$

TOTAL CHARGES:

\$

COD FEE:

Prepaid

Collect \$

FREIGHT CHARGES:

Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: Daniel Pavelka as Agent for Spont Energy

CARRIER: Jesus Pavel

PER: DATE: 09/08/25

PER: DATE: 09/08/25

EMERGENCY RESPONSE TELEPHONE NUMBER: 932-208-5522

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

THIS SHIPPING ORDER

Shipper's No. ~~16RL091267766~~

Carrier's No. 4271157

Carrier Red Horn Environmental

SCAC

Date 10/3/25

TO: Consignee Dollowhide Unit 8490

FROM: Shipper ~~WDOU 42 (API 30-025-12321)~~

Street 32.1691-103.0473

Street ~~32.1763562-103.0921249~~

Destination Andrews County, TX Zip

Origin ~~Leo County NM~~ Zip ~~10/21/25~~

Route

Vehicle Number 009

U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1		Produced Water Impacted Soil	20ry		

Incident No: NPRS 0433653517
Shipper: WDOU 42 (API: 30-025-12321)
Street: 32.179675, -103.076324

Remit COD to:
Address:
City: State: Zip:

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

COD AMT: \$

COD FEE: Prepaid Collect \$

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

(Signature of Consignor)

TOTAL CHARGES: \$

FREIGHT CHARGES: Prepaid Collect

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: *Zach Wheeler (Saw Energy)*
PER: DATE: 10/3/25

CARRIER: *Chris*
PER: DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER:

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

**APPENDIX F – LABORATORY ANALYTICAL REPORTS
& CHAIN OF CUSTODY**



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chuck Smith
 Terracon Consulting Eng & Scientists
 5847 50th St
 Lubbock, Texas 79424

Generated 8/19/2025 10:45:03 AM

JOB DESCRIPTION

WDDU #42
 AR257051-N

JOB NUMBER

820-20320-2

Eurofins Lubbock
 6701 Aberdeen Ave.
 Suite 8
 Lubbock TX 79424



Eurofins Lubbock

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
8/19/2025 10:45:03 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Eurofins Lubbock

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by Eurofins Philadelphia field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification # 02015.

VL = field staff performs tests under NJ State certification # 06005.

WG = field staff performs tests under NJ State certification # PA001, PA State certification # 48-01334.

H = field staff performs tests under NJ NELAP certification # PA093, PA NELAP certification # 46-05499.

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

· The report shall not be reproduced, except in full, without the written consent of the laboratory

· All samples are collected as "grab" samples unless otherwise identified.

· Reported results related only to the samples as tested. Eurofins Philadelphia is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· Eurofins Philadelphia is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by Eurofins Philadelphia : Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Laboratory Job ID: 820-20320-2
SDG: AR257051-N

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20320-2
SDG: AR257051-N

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project: WDDU #42

Job ID: 820-20320-2

Job ID: 820-20320-2

Eurofins Lubbock

Job Narrative 820-20320-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/8/2025 10:32 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -7.0°C.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Lubbock



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CFS-1

Lab Sample ID: 820-20320-1

Date Collected: 08/06/25 12:08

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:49	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		08/11/25 12:24	08/13/25 23:49	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/11/25 12:24	08/13/25 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/11/25 12:24	08/13/25 23:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/11/25 12:24	08/13/25 23:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/13/25 23:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	88.4		50.0		mg/Kg			08/17/25 00:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 00:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 00:45	1
Oil Range Organics (Over C28-C36)	88.4		50.0		mg/Kg		08/11/25 14:47	08/17/25 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130	08/11/25 14:47	08/17/25 00:45	1
o-Terphenyl (Surr)	92		70 - 130	08/11/25 14:47	08/17/25 00:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	393		10.0		mg/Kg			08/13/25 02:11	1

Client Sample ID: CFS-2

Lab Sample ID: 820-20320-2

Date Collected: 08/06/25 12:09

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 00:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 00:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 00:10	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 12:24	08/14/25 00:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 00:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 12:24	08/14/25 00:10	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Client Sample ID: CFS-2
 Date Collected: 08/06/25 12:09
 Date Received: 08/08/25 10:32
 Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-2
 Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/11/25 12:24	08/14/25 00:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/11/25 12:24	08/14/25 00:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/25 00:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/17/25 01:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 01:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 01:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	08/11/25 14:47	08/17/25 01:01	1
o-Terphenyl (Surr)	105		70 - 130	08/11/25 14:47	08/17/25 01:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284		9.98		mg/Kg			08/13/25 02:34	1

Client Sample ID: CFS-3
 Date Collected: 08/06/25 12:10
 Date Received: 08/08/25 10:32
 Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-3
 Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 00:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 00:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 00:30	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/11/25 12:24	08/14/25 00:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 00:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/25 12:24	08/14/25 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/11/25 12:24	08/14/25 00:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/11/25 12:24	08/14/25 00:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/25 00:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/17/25 01:17	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CFS-3

Date Collected: 08/06/25 12:10

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-3

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 01:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130				08/11/25 14:47	08/17/25 01:17	1
o-Terphenyl (Surr)	90		70 - 130				08/11/25 14:47	08/17/25 01:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		10.1		mg/Kg			08/13/25 02:42	1

Client Sample ID: CFS-4

Date Collected: 08/06/25 12:11

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 00:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 00:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 00:51	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 12:24	08/14/25 00:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 00:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 12:24	08/14/25 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/11/25 12:24	08/14/25 00:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/11/25 12:24	08/14/25 00:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/25 00:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/25 01:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 01:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 01:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130				08/11/25 14:47	08/17/25 01:33	1
o-Terphenyl (Surr)	85		70 - 130				08/11/25 14:47	08/17/25 01:33	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Client Sample ID: CFS-4
 Date Collected: 08/06/25 12:11
 Date Received: 08/08/25 10:32
 Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-4
 Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	617		50.3		mg/Kg			08/13/25 02:49	5

Client Sample ID: CFS-5
 Date Collected: 08/06/25 12:12
 Date Received: 08/08/25 10:32
 Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-5
 Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 01:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 01:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 01:11	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/11/25 12:24	08/14/25 01:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 01:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/25 12:24	08/14/25 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/11/25 12:24	08/14/25 01:11	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/11/25 12:24	08/14/25 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/25 01:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/17/25 02:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 02:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 02:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				08/11/25 14:47	08/17/25 02:05	1
o-Terphenyl (Surr)	91		70 - 130				08/11/25 14:47	08/17/25 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	691		49.9		mg/Kg			08/13/25 02:57	5

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CFS-6

Lab Sample ID: 820-20320-6

Date Collected: 08/06/25 12:13

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 01:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 01:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 01:31	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 12:24	08/14/25 01:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 01:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 12:24	08/14/25 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/11/25 12:24	08/14/25 01:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/11/25 12:24	08/14/25 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/25 01:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/17/25 02:21	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 02:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 02:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	08/11/25 14:47	08/17/25 02:21	1
o-Terphenyl (Surr)	105		70 - 130	08/11/25 14:47	08/17/25 02:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292		10.1		mg/Kg			08/13/25 03:20	1

Client Sample ID: CFS-7

Lab Sample ID: 820-20320-7

Date Collected: 08/06/25 12:14

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 01:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 01:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 01:52	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/11/25 12:24	08/14/25 01:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 01:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/25 12:24	08/14/25 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/11/25 12:24	08/14/25 01:52	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CFS-7

Lab Sample ID: 820-20320-7

Date Collected: 08/06/25 12:14

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	08/11/25 12:24	08/14/25 01:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/25 01:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/25 02:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 02:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 02:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	08/11/25 14:47	08/17/25 02:37	1
o-Terphenyl (Surr)	101		70 - 130	08/11/25 14:47	08/17/25 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	379		10.1		mg/Kg			08/13/25 03:27	1

Client Sample ID: CFS-8

Lab Sample ID: 820-20320-8

Date Collected: 08/06/25 12:15

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 02:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 02:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 12:24	08/14/25 02:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 02:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 12:24	08/14/25 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/11/25 12:24	08/14/25 02:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/11/25 12:24	08/14/25 02:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/25 02:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/17/25 02:53	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CFS-8

Date Collected: 08/06/25 12:15

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-8

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 02:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 02:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/11/25 14:47	08/17/25 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130				08/11/25 14:47	08/17/25 02:53	1
o-Terphenyl (Surr)	103		70 - 130				08/11/25 14:47	08/17/25 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.98		mg/Kg			08/13/25 03:35	1

Client Sample ID: CFS-9

Date Collected: 08/06/25 12:16

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 1.5

Lab Sample ID: 820-20320-9

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/14/25 02:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/14/25 02:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/14/25 02:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 12:24	08/14/25 02:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/14/25 02:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 12:24	08/14/25 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/11/25 12:24	08/14/25 02:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/11/25 12:24	08/14/25 02:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/14/25 02:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/25 03:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	118		70 - 130				08/11/25 14:47	08/17/25 03:09	1
o-Terphenyl (Surr)	105		70 - 130				08/11/25 14:47	08/17/25 03:09	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CFS-9

Date Collected: 08/06/25 12:16

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 1.5

Lab Sample ID: 820-20320-9

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.4		10.1		mg/Kg			08/13/25 03:43	1

Client Sample ID: CFS-10

Date Collected: 08/06/25 12:17

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 1.5

Lab Sample ID: 820-20320-10

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 02:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 02:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 02:53	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		08/11/25 12:24	08/14/25 02:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 02:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/11/25 12:24	08/14/25 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				08/11/25 12:24	08/14/25 02:53	1
1,4-Difluorobenzene (Surr)	79		70 - 130				08/11/25 12:24	08/14/25 02:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/14/25 02:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/25 03:24	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130				08/11/25 14:47	08/17/25 03:24	1
o-Terphenyl (Surr)	97		70 - 130				08/11/25 14:47	08/17/25 03:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	318		10.1		mg/Kg			08/13/25 03:50	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CFS-11

Lab Sample ID: 820-20320-11

Date Collected: 08/06/25 12:18

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 04:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 04:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 04:27	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		08/11/25 12:24	08/14/25 04:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/11/25 12:24	08/14/25 04:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/11/25 12:24	08/14/25 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/11/25 12:24	08/14/25 04:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/11/25 12:24	08/14/25 04:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/14/25 04:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/17/25 03:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 03:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 03:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	08/11/25 14:47	08/17/25 03:41	1
o-Terphenyl (Surr)	101		70 - 130	08/11/25 14:47	08/17/25 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	475	F1	9.98		mg/Kg			08/13/25 03:58	1

Client Sample ID: CFS-12

Lab Sample ID: 820-20320-12

Date Collected: 08/06/25 12:19

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 2.0 - 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 04:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 04:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 04:48	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		08/11/25 12:24	08/14/25 04:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/11/25 12:24	08/14/25 04:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/11/25 12:24	08/14/25 04:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/11/25 12:24	08/14/25 04:48	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Client Sample ID: CFS-12
Date Collected: 08/06/25 12:19
Date Received: 08/08/25 10:32
Sample Depth: 2.0 - 2.5

Lab Sample ID: 820-20320-12
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	08/11/25 12:24	08/14/25 04:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/14/25 04:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/25 03:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	08/11/25 14:47	08/17/25 03:57	1
o-Terphenyl (Surr)	101		70 - 130	08/11/25 14:47	08/17/25 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.8		10.1		mg/Kg			08/13/25 04:21	1

Client Sample ID: CWS-1
Date Collected: 08/06/25 12:06
Date Received: 08/08/25 10:32
Sample Depth: 0.0 - 2.0

Lab Sample ID: 820-20320-13
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 05:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 05:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 05:08	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		08/11/25 12:24	08/14/25 05:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/11/25 12:24	08/14/25 05:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/11/25 12:24	08/14/25 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/11/25 12:24	08/14/25 05:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/11/25 12:24	08/14/25 05:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/14/25 05:08	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/17/25 04:13	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CWS-1

Date Collected: 08/06/25 12:06

Date Received: 08/08/25 10:32

Sample Depth: 0.0 - 2.0

Lab Sample ID: 820-20320-13

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 04:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 04:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/11/25 14:47	08/17/25 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130				08/11/25 14:47	08/17/25 04:13	1
o-Terphenyl (Surr)	85		70 - 130				08/11/25 14:47	08/17/25 04:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.9		10.1		mg/Kg			08/13/25 04:28	1

Client Sample ID: CWS-2

Date Collected: 08/06/25 12:07

Date Received: 08/08/25 10:32

Sample Depth: 0.0 - 2.0

Lab Sample ID: 820-20320-14

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 05:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 05:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 05:29	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		08/11/25 12:24	08/14/25 05:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/11/25 12:24	08/14/25 05:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/11/25 12:24	08/14/25 05:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/11/25 12:24	08/14/25 05:29	1
1,4-Difluorobenzene (Surr)	79		70 - 130				08/11/25 12:24	08/14/25 05:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/14/25 05:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/17/25 04:28	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 04:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 04:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:47	08/17/25 04:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130				08/11/25 14:47	08/17/25 04:28	1
o-Terphenyl (Surr)	89		70 - 130				08/11/25 14:47	08/17/25 04:28	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CWS-2

Lab Sample ID: 820-20320-14

Date Collected: 08/06/25 12:07

Matrix: Solid

Date Received: 08/08/25 10:32

Sample Depth: 0.0 - 2.0

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		9.98		mg/Kg			08/13/25 04:51	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
820-20320-1	CFS-1	110	98
820-20320-1 MS	CFS-1	109	100
820-20320-1 MSD	CFS-1	111	98
820-20320-2	CFS-2	110	95
820-20320-3	CFS-3	111	94
820-20320-4	CFS-4	111	95
820-20320-5	CFS-5	110	94
820-20320-6	CFS-6	108	96
820-20320-7	CFS-7	118	90
820-20320-8	CFS-8	107	91
820-20320-9	CFS-9	112	92
820-20320-10	CFS-10	119	79
820-20320-11	CFS-11	113	97
820-20320-12	CFS-12	109	92
820-20320-13	CWS-1	111	89
820-20320-14	CWS-2	106	79
LCS 880-116379/1-A	Lab Control Sample	105	100
LCSD 880-116379/2-A	Lab Control Sample Dup	105	100
MB 880-116379/5-A	Method Blank	106	86
MB 880-116583/5-A	Method Blank	104	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
820-20320-1	CFS-1	100	92
820-20320-2	CFS-2	120	105
820-20320-3	CFS-3	98	90
820-20320-4	CFS-4	93	85
820-20320-5	CFS-5	101	91
820-20320-6	CFS-6	120	105
820-20320-7	CFS-7	112	101
820-20320-8	CFS-8	112	103
820-20320-9	CFS-9	118	105
820-20320-10	CFS-10	108	97
820-20320-11	CFS-11	114	101
820-20320-12	CFS-12	108	101
820-20320-13	CWS-1	91	85
820-20320-14	CWS-2	92	89
890-8600-A-8-B MS	Matrix Spike	104	103
890-8600-A-8-C MSD	Matrix Spike Duplicate	87	88
LCS 880-116409/2-A	Lab Control Sample	112	116
LCSD 880-116409/3-A	Lab Control Sample Dup	114	114
MB 880-116409/1-A	Method Blank	98	89

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Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20320-2
SDG: AR257051-N

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

- 1
- 2
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- 10
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- 12
- 13
- 14

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116379/5-A
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 116379

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/11/25 12:24	08/13/25 23:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/11/25 12:24	08/13/25 23:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/11/25 12:24	08/13/25 23:28	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		70 - 130	08/11/25 12:24	08/13/25 23:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/11/25 12:24	08/13/25 23:28	1

Lab Sample ID: LCS 880-116379/1-A
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 116379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.09429		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.1954		mg/Kg		98	70 - 130
o-Xylene	0.100	0.08093		mg/Kg		81	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-116379/2-A
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 116379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.09737		mg/Kg		97	70 - 130	2	35
Toluene	0.100	0.09298		mg/Kg		93	70 - 130	1	35
Ethylbenzene	0.100	0.09676		mg/Kg		97	70 - 130	3	35
m,p-Xylenes	0.200	0.1916		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.07917		mg/Kg		79	70 - 130	2	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 820-20320-1 MS
 Matrix: Solid
 Analysis Batch: 116573

Client Sample ID: CFS-1
 Prep Type: Total/NA
 Prep Batch: 116379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.100	0.07714		mg/Kg		77	70 - 130

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 820-20320-1 MS

Matrix: Solid

Analysis Batch: 116573

Client Sample ID: CFS-1

Prep Type: Total/NA

Prep Batch: 116379

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Ethylbenzene	<0.00200	U	0.100	0.07773		mg/Kg		78		70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1530		mg/Kg		76		70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06404	F1	mg/Kg		64		70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 820-20320-1 MSD

Matrix: Solid

Analysis Batch: 116573

Client Sample ID: CFS-1

Prep Type: Total/NA

Prep Batch: 116379

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<0.00200	U	0.100	0.08952		mg/Kg		90		70 - 130	7	35
Toluene	<0.00200	U	0.100	0.08247		mg/Kg		82		70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.08165		mg/Kg		82		70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.1606		mg/Kg		80		70 - 130	5	35
o-Xylene	<0.00200	U F1	0.100	0.06653	F1	mg/Kg		67		70 - 130	4	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-116583/5-A

Matrix: Solid

Analysis Batch: 116573

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116583

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:23	08/13/25 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/13/25 09:23	08/13/25 11:34	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	104		70 - 130	08/13/25 09:23	08/13/25 11:34	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/13/25 09:23	08/13/25 11:34	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-116409/1-A

Matrix: Solid

Analysis Batch: 116859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116409

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/11/25 14:43	08/16/25 21:14	1

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-116409/1-A
Matrix: Solid
Analysis Batch: 116859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116409

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/11/25 14:43	08/16/25 21:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/11/25 14:43	08/16/25 21:14	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	98		70 - 130	08/11/25 14:43	08/16/25 21:14	1
o-Terphenyl (Surr)	89		70 - 130	08/11/25 14:43	08/16/25 21:14	1

Lab Sample ID: LCS 880-116409/2-A
Matrix: Solid
Analysis Batch: 116859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	964.3		mg/Kg		96	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	112		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-116409/3-A
Matrix: Solid
Analysis Batch: 116859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116409

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)	1000	944.0		mg/Kg		94	70 - 130	2	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	114		70 - 130
o-Terphenyl (Surr)	114		70 - 130

Lab Sample ID: 890-8600-A-8-B MS
Matrix: Solid
Analysis Batch: 116859

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 116409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	803.7		mg/Kg		79	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	103		70 - 130

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-8600-A-8-C MSD
 Matrix: Solid
 Analysis Batch: 116859

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 116409

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	759.0		mg/Kg		76	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	695.6	F1	mg/Kg		68	70 - 130	14	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	87		70 - 130								
o-Terphenyl (Surr)	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116359/1-A
 Matrix: Solid
 Analysis Batch: 116423

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			08/13/25 01:49	1

Lab Sample ID: LCS 880-116359/2-A
 Matrix: Solid
 Analysis Batch: 116423

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Chloride	250	249.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-116359/3-A
 Matrix: Solid
 Analysis Batch: 116423

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits	RPD	Limit
Chloride	250	234.4		mg/Kg		94	90 - 110	6	20

Lab Sample ID: 820-20320-1 MS
 Matrix: Solid
 Analysis Batch: 116423

Client Sample ID: CFS-1
 Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloride	393		251	643.6		mg/Kg		100	90 - 110		

Lab Sample ID: 820-20320-1 MSD
 Matrix: Solid
 Analysis Batch: 116423

Client Sample ID: CFS-1
 Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Chloride	393		251	642.1		mg/Kg		99	90 - 110	0	20

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 820-20320-11 MS
Matrix: Solid
Analysis Batch: 116423

Client Sample ID: CFS-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	475	F1	250	696.4	F1	mg/Kg		89	90 - 110

Lab Sample ID: 820-20320-11 MSD
Matrix: Solid
Analysis Batch: 116423

Client Sample ID: CFS-11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	475	F1	250	692.5	F1	mg/Kg		87	90 - 110	1	20

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

GC VOA

Prep Batch: 116379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Total/NA	Solid	5035	
820-20320-2	CFS-2	Total/NA	Solid	5035	
820-20320-3	CFS-3	Total/NA	Solid	5035	
820-20320-4	CFS-4	Total/NA	Solid	5035	
820-20320-5	CFS-5	Total/NA	Solid	5035	
820-20320-6	CFS-6	Total/NA	Solid	5035	
820-20320-7	CFS-7	Total/NA	Solid	5035	
820-20320-8	CFS-8	Total/NA	Solid	5035	
820-20320-9	CFS-9	Total/NA	Solid	5035	
820-20320-10	CFS-10	Total/NA	Solid	5035	
820-20320-11	CFS-11	Total/NA	Solid	5035	
820-20320-12	CFS-12	Total/NA	Solid	5035	
820-20320-13	CWS-1	Total/NA	Solid	5035	
820-20320-14	CWS-2	Total/NA	Solid	5035	
MB 880-116379/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116379/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116379/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-20320-1 MS	CFS-1	Total/NA	Solid	5035	
820-20320-1 MSD	CFS-1	Total/NA	Solid	5035	

Analysis Batch: 116573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Total/NA	Solid	8021B	116379
820-20320-2	CFS-2	Total/NA	Solid	8021B	116379
820-20320-3	CFS-3	Total/NA	Solid	8021B	116379
820-20320-4	CFS-4	Total/NA	Solid	8021B	116379
820-20320-5	CFS-5	Total/NA	Solid	8021B	116379
820-20320-6	CFS-6	Total/NA	Solid	8021B	116379
820-20320-7	CFS-7	Total/NA	Solid	8021B	116379
820-20320-8	CFS-8	Total/NA	Solid	8021B	116379
820-20320-9	CFS-9	Total/NA	Solid	8021B	116379
820-20320-10	CFS-10	Total/NA	Solid	8021B	116379
820-20320-11	CFS-11	Total/NA	Solid	8021B	116379
820-20320-12	CFS-12	Total/NA	Solid	8021B	116379
820-20320-13	CWS-1	Total/NA	Solid	8021B	116379
820-20320-14	CWS-2	Total/NA	Solid	8021B	116379
MB 880-116379/5-A	Method Blank	Total/NA	Solid	8021B	116379
MB 880-116583/5-A	Method Blank	Total/NA	Solid	8021B	116583
LCS 880-116379/1-A	Lab Control Sample	Total/NA	Solid	8021B	116379
LCSD 880-116379/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116379
820-20320-1 MS	CFS-1	Total/NA	Solid	8021B	116379
820-20320-1 MSD	CFS-1	Total/NA	Solid	8021B	116379

Prep Batch: 116583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116583/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 116695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Total/NA	Solid	Total BTEX	
820-20320-2	CFS-2	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

GC VOA (Continued)

Analysis Batch: 116695 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-3	CFS-3	Total/NA	Solid	Total BTEX	
820-20320-4	CFS-4	Total/NA	Solid	Total BTEX	
820-20320-5	CFS-5	Total/NA	Solid	Total BTEX	
820-20320-6	CFS-6	Total/NA	Solid	Total BTEX	
820-20320-7	CFS-7	Total/NA	Solid	Total BTEX	
820-20320-8	CFS-8	Total/NA	Solid	Total BTEX	
820-20320-9	CFS-9	Total/NA	Solid	Total BTEX	
820-20320-10	CFS-10	Total/NA	Solid	Total BTEX	
820-20320-11	CFS-11	Total/NA	Solid	Total BTEX	
820-20320-12	CFS-12	Total/NA	Solid	Total BTEX	
820-20320-13	CWS-1	Total/NA	Solid	Total BTEX	
820-20320-14	CWS-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Total/NA	Solid	8015NM Prep	
820-20320-2	CFS-2	Total/NA	Solid	8015NM Prep	
820-20320-3	CFS-3	Total/NA	Solid	8015NM Prep	
820-20320-4	CFS-4	Total/NA	Solid	8015NM Prep	
820-20320-5	CFS-5	Total/NA	Solid	8015NM Prep	
820-20320-6	CFS-6	Total/NA	Solid	8015NM Prep	
820-20320-7	CFS-7	Total/NA	Solid	8015NM Prep	
820-20320-8	CFS-8	Total/NA	Solid	8015NM Prep	
820-20320-9	CFS-9	Total/NA	Solid	8015NM Prep	
820-20320-10	CFS-10	Total/NA	Solid	8015NM Prep	
820-20320-11	CFS-11	Total/NA	Solid	8015NM Prep	
820-20320-12	CFS-12	Total/NA	Solid	8015NM Prep	
820-20320-13	CWS-1	Total/NA	Solid	8015NM Prep	
820-20320-14	CWS-2	Total/NA	Solid	8015NM Prep	
MB 880-116409/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116409/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8600-A-8-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8600-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Total/NA	Solid	8015 NM	
820-20320-2	CFS-2	Total/NA	Solid	8015 NM	
820-20320-3	CFS-3	Total/NA	Solid	8015 NM	
820-20320-4	CFS-4	Total/NA	Solid	8015 NM	
820-20320-5	CFS-5	Total/NA	Solid	8015 NM	
820-20320-6	CFS-6	Total/NA	Solid	8015 NM	
820-20320-7	CFS-7	Total/NA	Solid	8015 NM	
820-20320-8	CFS-8	Total/NA	Solid	8015 NM	
820-20320-9	CFS-9	Total/NA	Solid	8015 NM	
820-20320-10	CFS-10	Total/NA	Solid	8015 NM	
820-20320-11	CFS-11	Total/NA	Solid	8015 NM	
820-20320-12	CFS-12	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-20320-2
SDG: AR257051-N

GC Semi VOA (Continued)

Analysis Batch: 116827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-13	CWS-1	Total/NA	Solid	8015 NM	
820-20320-14	CWS-2	Total/NA	Solid	8015 NM	

Analysis Batch: 116859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Total/NA	Solid	8015B NM	116409
820-20320-2	CFS-2	Total/NA	Solid	8015B NM	116409
820-20320-3	CFS-3	Total/NA	Solid	8015B NM	116409
820-20320-4	CFS-4	Total/NA	Solid	8015B NM	116409
820-20320-5	CFS-5	Total/NA	Solid	8015B NM	116409
820-20320-6	CFS-6	Total/NA	Solid	8015B NM	116409
820-20320-7	CFS-7	Total/NA	Solid	8015B NM	116409
820-20320-8	CFS-8	Total/NA	Solid	8015B NM	116409
820-20320-9	CFS-9	Total/NA	Solid	8015B NM	116409
820-20320-10	CFS-10	Total/NA	Solid	8015B NM	116409
820-20320-11	CFS-11	Total/NA	Solid	8015B NM	116409
820-20320-12	CFS-12	Total/NA	Solid	8015B NM	116409
820-20320-13	CWS-1	Total/NA	Solid	8015B NM	116409
820-20320-14	CWS-2	Total/NA	Solid	8015B NM	116409
MB 880-116409/1-A	Method Blank	Total/NA	Solid	8015B NM	116409
LCS 880-116409/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116409
LCSD 880-116409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116409
890-8600-A-8-B MS	Matrix Spike	Total/NA	Solid	8015B NM	116409
890-8600-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116409

HPLC/IC

Leach Batch: 116359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Soluble	Solid	DI Leach	
820-20320-2	CFS-2	Soluble	Solid	DI Leach	
820-20320-3	CFS-3	Soluble	Solid	DI Leach	
820-20320-4	CFS-4	Soluble	Solid	DI Leach	
820-20320-5	CFS-5	Soluble	Solid	DI Leach	
820-20320-6	CFS-6	Soluble	Solid	DI Leach	
820-20320-7	CFS-7	Soluble	Solid	DI Leach	
820-20320-8	CFS-8	Soluble	Solid	DI Leach	
820-20320-9	CFS-9	Soluble	Solid	DI Leach	
820-20320-10	CFS-10	Soluble	Solid	DI Leach	
820-20320-11	CFS-11	Soluble	Solid	DI Leach	
820-20320-12	CFS-12	Soluble	Solid	DI Leach	
820-20320-13	CWS-1	Soluble	Solid	DI Leach	
820-20320-14	CWS-2	Soluble	Solid	DI Leach	
MB 880-116359/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116359/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116359/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-20320-1 MS	CFS-1	Soluble	Solid	DI Leach	
820-20320-1 MSD	CFS-1	Soluble	Solid	DI Leach	
820-20320-11 MS	CFS-11	Soluble	Solid	DI Leach	
820-20320-11 MSD	CFS-11	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

HPLC/IC

Analysis Batch: 116423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20320-1	CFS-1	Soluble	Solid	300.0	116359
820-20320-2	CFS-2	Soluble	Solid	300.0	116359
820-20320-3	CFS-3	Soluble	Solid	300.0	116359
820-20320-4	CFS-4	Soluble	Solid	300.0	116359
820-20320-5	CFS-5	Soluble	Solid	300.0	116359
820-20320-6	CFS-6	Soluble	Solid	300.0	116359
820-20320-7	CFS-7	Soluble	Solid	300.0	116359
820-20320-8	CFS-8	Soluble	Solid	300.0	116359
820-20320-9	CFS-9	Soluble	Solid	300.0	116359
820-20320-10	CFS-10	Soluble	Solid	300.0	116359
820-20320-11	CFS-11	Soluble	Solid	300.0	116359
820-20320-12	CFS-12	Soluble	Solid	300.0	116359
820-20320-13	CWS-1	Soluble	Solid	300.0	116359
820-20320-14	CWS-2	Soluble	Solid	300.0	116359
MB 880-116359/1-A	Method Blank	Soluble	Solid	300.0	116359
LCS 880-116359/2-A	Lab Control Sample	Soluble	Solid	300.0	116359
LCSD 880-116359/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116359
820-20320-1 MS	CFS-1	Soluble	Solid	300.0	116359
820-20320-1 MSD	CFS-1	Soluble	Solid	300.0	116359
820-20320-11 MS	CFS-11	Soluble	Solid	300.0	116359
820-20320-11 MSD	CFS-11	Soluble	Solid	300.0	116359

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Client Sample ID: CFS-1
Date Collected: 08/06/25 12:08
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/13/25 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/13/25 23:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 00:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 00:45	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 02:11	CS	EET MID

Client Sample ID: CFS-2
Date Collected: 08/06/25 12:09
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 00:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 01:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 01:01	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 02:34	CS	EET MID

Client Sample ID: CFS-3
Date Collected: 08/06/25 12:10
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 00:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 01:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 01:17	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 02:42	CS	EET MID

Client Sample ID: CFS-4
Date Collected: 08/06/25 12:11
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 00:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 00:51	SA	EET MID

Eurofins Lubbock

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Client Sample ID: CFS-4
Date Collected: 08/06/25 12:11
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116827	08/17/25 01:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 01:33	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		5			116423	08/13/25 02:49	CS	EET MID

Client Sample ID: CFS-5
Date Collected: 08/06/25 12:12
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 01:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 02:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 02:05	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		5			116423	08/13/25 02:57	CS	EET MID

Client Sample ID: CFS-6
Date Collected: 08/06/25 12:13
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 01:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 02:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 02:21	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 03:20	CS	EET MID

Client Sample ID: CFS-7
Date Collected: 08/06/25 12:14
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 01:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 02:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 02:37	TKC	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Client Sample ID: CFS-7
Date Collected: 08/06/25 12:14
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 03:27	CS	EET MID

Client Sample ID: CFS-8
Date Collected: 08/06/25 12:15
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 02:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 02:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 02:53	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 03:35	CS	EET MID

Client Sample ID: CFS-9
Date Collected: 08/06/25 12:16
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 02:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 03:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 03:09	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 03:43	CS	EET MID

Client Sample ID: CFS-10
Date Collected: 08/06/25 12:17
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 02:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 03:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 03:24	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 03:50	CS	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Client Sample ID: CFS-11

Lab Sample ID: 820-20320-11

Date Collected: 08/06/25 12:18

Matrix: Solid

Date Received: 08/08/25 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 04:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 03:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 03:41	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 03:58	CS	EET MID

Client Sample ID: CFS-12

Lab Sample ID: 820-20320-12

Date Collected: 08/06/25 12:19

Matrix: Solid

Date Received: 08/08/25 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 04:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 03:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 03:57	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 04:21	CS	EET MID

Client Sample ID: CWS-1

Lab Sample ID: 820-20320-13

Date Collected: 08/06/25 12:06

Matrix: Solid

Date Received: 08/08/25 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 05:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 05:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			116827	08/17/25 04:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 04:13	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 04:28	CS	EET MID

Client Sample ID: CWS-2

Lab Sample ID: 820-20320-14

Date Collected: 08/06/25 12:07

Matrix: Solid

Date Received: 08/08/25 10:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116379	08/11/25 12:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116573	08/14/25 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116695	08/14/25 05:29	SA	EET MID

Eurofins Lubbock

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20320-2
SDG: AR257051-N

Client Sample ID: CWS-2
Date Collected: 08/06/25 12:07
Date Received: 08/08/25 10:32

Lab Sample ID: 820-20320-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116827	08/17/25 04:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116409	08/11/25 14:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116859	08/17/25 04:28	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116359	08/11/25 11:54	SI	EET MID
Soluble	Analysis	300.0		1			116423	08/13/25 04:51	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20320-2
SDG: AR257051-N

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20320-2
 SDG: AR257051-N

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20320-2
SDG: AR257051-N

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
820-20320-1	CFS-1	Solid	08/06/25 12:08	08/08/25 10:32	2.0 - 2.5
820-20320-2	CFS-2	Solid	08/06/25 12:09	08/08/25 10:32	2.0 - 2.5
820-20320-3	CFS-3	Solid	08/06/25 12:10	08/08/25 10:32	2.0 - 2.5
820-20320-4	CFS-4	Solid	08/06/25 12:11	08/08/25 10:32	2.0 - 2.5
820-20320-5	CFS-5	Solid	08/06/25 12:12	08/08/25 10:32	2.0 - 2.5
820-20320-6	CFS-6	Solid	08/06/25 12:13	08/08/25 10:32	2.0 - 2.5
820-20320-7	CFS-7	Solid	08/06/25 12:14	08/08/25 10:32	2.0 - 2.5
820-20320-8	CFS-8	Solid	08/06/25 12:15	08/08/25 10:32	2.0 - 2.5
820-20320-9	CFS-9	Solid	08/06/25 12:16	08/08/25 10:32	2.0 - 1.5
820-20320-10	CFS-10	Solid	08/06/25 12:17	08/08/25 10:32	2.0 - 1.5
820-20320-11	CFS-11	Solid	08/06/25 12:18	08/08/25 10:32	2.0 - 2.5
820-20320-12	CFS-12	Solid	08/06/25 12:19	08/08/25 10:32	2.0 - 2.5
820-20320-13	CWS-1	Solid	08/06/25 12:06	08/08/25 10:32	0.0 - 2.0
820-20320-14	CWS-2	Solid	08/06/25 12:07	08/08/25 10:32	0.0 - 2.0

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Loc: 820
20320

erracon

Laboratory: Eurofins
Address: 6701 Aberdeen
Lubbock, Texas 79424

Phone: (806) 794-1296
Contact: Holly Taylor

Project Manager: Chuck Smith
Sampler's Name: Zach Mueller

Project Number: AR257051-N
Project Name: WDDU #42

Temp of Cooler When Received: 73/70
Date: 8/1/20

Page 1 of 2

Lab Sample ID

820-20320 Chain of Custody

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth (FT)	End Depth (FT)	No. Type of Containers	ANALYSIS REQUESTED		Lab Sample ID
									Chloride (EPA Method 300)	BTEX (EPA Method 8021B)	
S	8/6/2025	12:08 PM	X		CFS-1	2.0	2.5	1	X	X	
S	8/6/2025	12:09 PM	X		CFS-2	2.0	2.5	1	X	X	
S	8/6/2025	12:10 PM	X		CFS-3	2.0	2.5	1	X	X	
S	8/6/2025	12:11 PM	X		CFS-4	2.0	2.5	1	X	X	
S	8/6/2025	12:12 PM	X		CFS-5	2.0	2.5	1	X	X	
S	8/6/2025	12:13 PM	X		CFS-6	2.0	2.5	1	X	X	
S	8/6/2025	12:14 PM	X		CFS-7	2.0	2.5	1	X	X	
S	8/6/2025	12:15 PM	X		CFS-8	2.0	2.5	1	X	X	
S	8/6/2025	12:16 PM	X		CFS-9	1.0	1.5	1	X	X	
S	8/6/2025	12:17 PM	X		CFS-10	1.0	1.5	1	X	X	
S	8/6/2025	12:18 PM	X		CFS-11	2.0	2.5	1	X	X	

TURNAROUND TIME

Relinquished by (Signature): [Signature] Date: 08/01/25 Time: 12:45 PM

Relinquished by (Signature): [Signature] Date: 08/01/25 Time: 17:10

Relinquished by (Signature): [Signature] Date: 8/8/25 Time: 10:52

Relinquished by (Signature): [Signature] Date: 8/8/25 Time: 10:52

Relinquished by (Signature): [Signature] Date: 8/19/25 Time: 17:10

Relinquished by (Signature): [Signature] Date: 8/19/25 Time: 10:52

TRRP Laboratory Review Checklist

Standard 48-Hour Rush 24-Hour Rush Yes No

Bill To: Scout Energy Management, LLC, Attn: Spencer Jackson
Address: 13800 Montfort Dr, Dallas, TX 75240. On Invoice
Reference AFE # 19309 and Incident No: NPR5003365317

e-mail results to:
chuck.smith@terracon.com
joseph.rueseniet@terracon.com

Matrix: WW-Waterway, W-Water, S-Soil, L-Liquid, C-Charcoalite, A-Air Bag, P/P-Plastic or other, S/S-Septic
Container: VDA, 40 ml VDA, 250 ml Glass vial, 250 ml Glass vial, 50 ml

Lubbock Office # 5347 50th Street # Lubbock, Texas 79424 # 806-300-0140
Responsive # Resourceful # Reliable

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CHAIN OF CUSTODY RECORD

Terracon

Laboratory: Eurofins
Address: 6701 Aberdeen Lubbock, Texas 79424
Phone: (806) 794-1296
Contact: Holly Taylor

Office Location: Lubbock, Texas
Project Manager: Chuck Smith
Sampler's Name: Zach Mueller

Project Number: AR257051-N
Project Name: WDDU #42

LAB USE ONLY
DUE DATE: 12/31/20
TEMP OF COOLER WHEN RECEIVED (C): 18-19
Page 2 of 6

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth (FT)	End Depth (FT)	No. Type of Containers	ANALYSIS REQUESTED	Yes	No
S	8/6/2025	12:19 PM	X		CFS-12	2.0	2.5	4 OZ Glass	Chloride (EPA Method 300)	X	
S	8/6/2025	12:06 PM	X		CWS-1	0.0	2.0	1	BTEX (EPA Method 8021B)	X	
S	8/6/2025	12:07 PM	X		CWS-2	0.0	2.0	1	TPH 8015 extended	X	
S											
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TURNAROUND TIME
 (Required by Signature) Date: 08/07/25 Time: 12:45
 (Required by Signature) Date: 08/07/25 Time: 17:10
 (Required by Signature) Date: 8/8/25 Time: 10:52
 (Required by Signature) Date: 8/8/25 Time: 10:32

24-Hour Rush
 (Received by Signature) Date: 08/07/25 Time: 12:45
 (Received by Signature) Date: 08/07/25 Time: 17:10
 (Received by Signature) Date: 8/8/25 Time: 10:52
 (Received by Signature) Date: 8/8/25 Time: 10:32

TRRP Laboratory Review Checklist
 Yes No
 Bill To: Scouf Energy Management, LLC, Attn: Spencer Jackson
 Address: 13800 Montford Dr., Dallas, TX 75240. On Invoice
 Reference AFE # 19309 and Incident No: NPR0046363517
 e-mail results to: chuck.smith@terracon.com, joseph.guesnier@terracon.com

Matrix: W-Water, VCA -10 ml/ml
 Container: 5 - Sol, 250 ml - Glass wide mouth
 L - Liquid, A - Air Bag, P/P - Plastic or other, Wipe
 C - Charcoal tube, S - Seals

Lubbock Office # 5847 50th Street # Lubbock, Texas 79424 # 806-300-0140
 Responsive # Resourceful # Reliable

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Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-20320-2

SDG Number: AR257051-N

Login Number: 20320

List Number: 1

Creator: Pena, Yazmeane

List Source: Eurofins Lubbock

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Lubbock



Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-20320-2

SDG Number: AR257051-N

Login Number: 20320

List Number: 2

Creator: Lee, Randall

List Source: Eurofins Midland

List Creation: 08/11/25 01:02 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Lubbock





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424
Generated 9/15/2025 11:38:01 AM

JOB DESCRIPTION

WDDU #42
AR257051-N

JOB NUMBER

820-20862-2

Eurofins Lubbock
6701 Aberdeen Ave.
Suite 8
Lubbock TX 79424



Eurofins Lubbock

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
9/15/2025 11:38:01 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Eurofins Lubbock

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by Eurofins Philadelphia field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification # 02015.

VL = field staff performs tests under NJ State certification # 06005.

WG = field staff performs tests under NJ State certification # PA001, PA State certification # 48-01334.

H = field staff performs tests under NJ NELAP certification # PA093, PA NELAP certification # 46-05499.

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

· The report shall not be reproduced, except in full, without the written consent of the laboratory

· All samples are collected as "grab" samples unless otherwise identified.

· Reported results related only to the samples as tested. Eurofins Philadelphia is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· Eurofins Philadelphia is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by Eurofins Philadelphia : Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Laboratory Job ID: 820-20862-2
SDG: AR257051-N

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20862-2
SDG: AR257051-N

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project: WDDU #42

Job ID: 820-20862-2

Job ID: 820-20862-2

Eurofins Lubbock

Job Narrative 820-20862-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 9/9/2025 11:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -10.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar:

CWS-1.1 (820-20862-1), CWS-3.1 (820-20862-2), CWS-5.2 (820-20862-3), CWS-6.2 (820-20862-4), CWS-7 (820-20862-5), CWS-8 (820-20862-6), CWS-9 (820-20862-7), CWS-10 (820-20862-8), CWS-11 (820-20862-9), CFS-4.1 (820-20862-10) and CFS-5.1 (820-20862-11)

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD_NM: No LCSD with batch, MS/MSD shows recovery for batch therefore the data has been qualified and reported.

(LCS 880-118593/2-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Client Sample ID: CFS-4.1

Lab Sample ID: 820-20862-10

Date Collected: 09/08/25 13:00

Matrix: Solid

Date Received: 09/09/25 11:15

Sample Depth: 3.0 - 3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 05:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/10/25 14:12	09/11/25 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 05:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/10/25 14:12	09/11/25 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	09/10/25 14:12	09/11/25 05:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/10/25 14:12	09/11/25 05:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/11/25 05:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/12/25 22:11	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/10/25 08:47	09/12/25 22:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/25 08:47	09/12/25 22:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/25 08:47	09/12/25 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	09/10/25 08:47	09/12/25 22:11	1
o-Terphenyl (Surr)	72		70 - 130	09/10/25 08:47	09/12/25 22:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2090		50.5		mg/Kg			09/12/25 08:48	5

Client Sample ID: CFS-5.1

Lab Sample ID: 820-20862-11

Date Collected: 09/08/25 13:05

Matrix: Solid

Date Received: 09/09/25 11:15

Sample Depth: 3.0 - 3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 06:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 06:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 06:00	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		09/10/25 14:12	09/11/25 06:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/11/25 06:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/10/25 14:12	09/11/25 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	09/10/25 14:12	09/11/25 06:00	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Client Sample ID: CFS-5.1

Lab Sample ID: 820-20862-11

Date Collected: 09/08/25 13:05

Matrix: Solid

Date Received: 09/09/25 11:15

Sample Depth: 3.0 - 3.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	09/10/25 14:12	09/11/25 06:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/11/25 06:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/12/25 22:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/10/25 08:47	09/12/25 22:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/25 08:47	09/12/25 22:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/25 08:47	09/12/25 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130	09/10/25 08:47	09/12/25 22:26	1
o-Terphenyl (Surr)	70		70 - 130	09/10/25 08:47	09/12/25 22:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430	F1	49.8		mg/Kg			09/12/25 08:54	5

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20862-2
SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
820-20862-10	CFS-4.1	139 S1+	92
820-20862-11	CFS-5.1	139 S1+	86
880-62469-A-1-C MS	Matrix Spike	124	95
880-62469-A-1-D MSD	Matrix Spike Duplicate	122	98
LCS 880-118645/1-A	Lab Control Sample	124	91
LCSD 880-118645/2-A	Lab Control Sample Dup	115	95
MB 880-118604/5-A	Method Blank	129	94
MB 880-118645/5-A	Method Blank	126	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
820-20862-10	CFS-4.1	74	72
820-20862-11	CFS-5.1	73	70
890-8773-A-2-B MS	Matrix Spike	86	75
890-8773-A-2-C MSD	Matrix Spike Duplicate	86	75
LCS 880-118593/2-A	Lab Control Sample	111	105
MB 880-118593/1-A	Method Blank	72	72

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-118604/5-A
 Matrix: Solid
 Analysis Batch: 118587

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 118604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/25 09:57	09/10/25 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/25 09:57	09/10/25 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/25 09:57	09/10/25 11:33	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/10/25 09:57	09/10/25 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/25 09:57	09/10/25 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/10/25 09:57	09/10/25 11:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	09/10/25 09:57	09/10/25 11:33	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/10/25 09:57	09/10/25 11:33	1

Lab Sample ID: MB 880-118645/5-A
 Matrix: Solid
 Analysis Batch: 118587

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 118645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/10/25 23:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/10/25 23:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/10/25 23:59	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		09/10/25 14:12	09/10/25 23:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/25 14:12	09/10/25 23:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/10/25 14:12	09/10/25 23:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	09/10/25 14:12	09/10/25 23:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/10/25 14:12	09/10/25 23:59	1

Lab Sample ID: LCS 880-118645/1-A
 Matrix: Solid
 Analysis Batch: 118587

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 118645

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09723		mg/Kg		97	70 - 130
Toluene	0.100	0.09702		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130
m,p-Xylenes	0.200	0.2297		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1199		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-118645/2-A
 Matrix: Solid
 Analysis Batch: 118587

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 118645

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1026		mg/Kg		103	70 - 130	5	35

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-118645/2-A
 Matrix: Solid
 Analysis Batch: 118587

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 118645

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Toluene	0.100	0.09650		mg/Kg		96	70 - 130	1	35	
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130	2	35	
m,p-Xylenes	0.200	0.2193		mg/Kg		110	70 - 130	5	35	
o-Xylene	0.100	0.1150		mg/Kg		115	70 - 130	4	35	
LCSD LCSD										
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	115		70 - 130							
1,4-Difluorobenzene (Surr)	95		70 - 130							

Lab Sample ID: 880-62469-A-1-C MS
 Matrix: Solid
 Analysis Batch: 118587

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 118645

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.100	0.07932		mg/Kg		79	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.04477	F1	mg/Kg		45	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	0.03472	F1	mg/Kg		35	70 - 130		
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.07049	F1	mg/Kg		35	70 - 130		
o-Xylene	<0.00200	U F2 F1	0.100	0.03218	F1	mg/Kg		32	70 - 130		
MS MS											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	124		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: 880-62469-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 118587

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 118645

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.100	0.04575	F1 F2	mg/Kg		46	70 - 130	54	35
Toluene	<0.00200	U F2 F1	0.100	0.02414	F1 F2	mg/Kg		24	70 - 130	60	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.01727	F1 F2	mg/Kg		17	70 - 130	67	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.02479	F1 F2	mg/Kg		12	70 - 130	96	35
o-Xylene	<0.00200	U F2 F1	0.100	0.01481	F1 F2	mg/Kg		15	70 - 130	74	35
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	122		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-118593/1-A
 Matrix: Solid
 Analysis Batch: 118835

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 118593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/10/25 08:47	09/12/25 16:48	1

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-118593/1-A
Matrix: Solid
Analysis Batch: 118835

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118593

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/25 08:47	09/12/25 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/25 08:47	09/12/25 16:48	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	72		70 - 130				09/10/25 08:47	09/12/25 16:48	1
o-Terphenyl (Surr)	72		70 - 130				09/10/25 08:47	09/12/25 16:48	1

Lab Sample ID: LCS 880-118593/2-A
Matrix: Solid
Analysis Batch: 118835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118593

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	984.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	899.0		mg/Kg		90	70 - 130
Surrogate	LCS LCS		Limits				%Rec
	%Recovery	Qualifier					
1-Chlorooctane (Surr)	111		70 - 130				
o-Terphenyl (Surr)	105		70 - 130				

Lab Sample ID: 890-8773-A-2-B MS
Matrix: Solid
Analysis Batch: 118835

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 118593

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	838.2		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	809.4		mg/Kg		81	70 - 130
Surrogate	MS MS		Limits					%Rec	
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	86		70 - 130						
o-Terphenyl (Surr)	75		70 - 130						

Lab Sample ID: 890-8773-A-2-C MSD
Matrix: Solid
Analysis Batch: 118835

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 118593

Analyte	Sample Sample		Spike Added	MSD MSD		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	845.4		mg/Kg		85	70 - 130	1 20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	819.0		mg/Kg		82	70 - 130	1 20
Surrogate	MSD MSD		Limits					%Rec	RPD	
	%Recovery	Qualifier								
1-Chlorooctane (Surr)	86		70 - 130							
o-Terphenyl (Surr)	75		70 - 130							

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-118643/1-A
 Matrix: Solid
 Analysis Batch: 118720

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			09/11/25 15:43	1

Lab Sample ID: LCS 880-118643/2-A
 Matrix: Solid
 Analysis Batch: 118720

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.0		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-118643/3-A
 Matrix: Solid
 Analysis Batch: 118720

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.3		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 820-20862-11 MS
 Matrix: Solid
 Analysis Batch: 118720

Client Sample ID: CFS-5.1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1430	F1	1250	3052	F1	mg/Kg		130	90 - 110

Lab Sample ID: 820-20862-11 MSD
 Matrix: Solid
 Analysis Batch: 118720

Client Sample ID: CFS-5.1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1430	F1	1250	3136	F1	mg/Kg		137	90 - 110	3	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20862-2
SDG: AR257051-N

GC VOA

Analysis Batch: 118587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Total/NA	Solid	8021B	118645
820-20862-11	CFS-5.1	Total/NA	Solid	8021B	118645
MB 880-118604/5-A	Method Blank	Total/NA	Solid	8021B	118604
MB 880-118645/5-A	Method Blank	Total/NA	Solid	8021B	118645
LCS 880-118645/1-A	Lab Control Sample	Total/NA	Solid	8021B	118645
LCSD 880-118645/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	118645
880-62469-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	118645
880-62469-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	118645

Prep Batch: 118604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-118604/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 118645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Total/NA	Solid	5035	
820-20862-11	CFS-5.1	Total/NA	Solid	5035	
MB 880-118645/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-118645/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-118645/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-62469-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-62469-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 118712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Total/NA	Solid	Total BTEX	
820-20862-11	CFS-5.1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 118593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Total/NA	Solid	8015NM Prep	
820-20862-11	CFS-5.1	Total/NA	Solid	8015NM Prep	
MB 880-118593/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-118593/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
890-8773-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8773-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 118835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Total/NA	Solid	8015B NM	118593
820-20862-11	CFS-5.1	Total/NA	Solid	8015B NM	118593
MB 880-118593/1-A	Method Blank	Total/NA	Solid	8015B NM	118593
LCS 880-118593/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	118593
890-8773-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	118593
890-8773-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	118593

Analysis Batch: 118859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Total/NA	Solid	8015 NM	

Eurofins Lubbock

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20862-2
SDG: AR257051-N

GC Semi VOA (Continued)

Analysis Batch: 118859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-11	CFS-5.1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 118643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Soluble	Solid	DI Leach	
820-20862-11	CFS-5.1	Soluble	Solid	DI Leach	
MB 880-118643/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-118643/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-118643/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-20862-11 MS	CFS-5.1	Soluble	Solid	DI Leach	
820-20862-11 MSD	CFS-5.1	Soluble	Solid	DI Leach	

Analysis Batch: 118720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-20862-10	CFS-4.1	Soluble	Solid	300.0	118643
820-20862-11	CFS-5.1	Soluble	Solid	300.0	118643
MB 880-118643/1-A	Method Blank	Soluble	Solid	300.0	118643
LCS 880-118643/2-A	Lab Control Sample	Soluble	Solid	300.0	118643
LCSD 880-118643/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	118643
820-20862-11 MS	CFS-5.1	Soluble	Solid	300.0	118643
820-20862-11 MSD	CFS-5.1	Soluble	Solid	300.0	118643

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Client Sample ID: CFS-4.1

Lab Sample ID: 820-20862-10

Date Collected: 09/08/25 13:00

Matrix: Solid

Date Received: 09/09/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	118645	09/10/25 14:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118587	09/11/25 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118712	09/11/25 05:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			118859	09/12/25 22:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	118593	09/10/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118835	09/12/25 22:11	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	118643	09/10/25 14:09	SA	EET MID
Soluble	Analysis	300.0		5			118720	09/12/25 08:48	CS	EET MID

Client Sample ID: CFS-5.1

Lab Sample ID: 820-20862-11

Date Collected: 09/08/25 13:05

Matrix: Solid

Date Received: 09/09/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	118645	09/10/25 14:12	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118587	09/11/25 06:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118712	09/11/25 06:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			118859	09/12/25 22:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	118593	09/10/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118835	09/12/25 22:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	118643	09/10/25 14:09	SA	EET MID
Soluble	Analysis	300.0		5			118720	09/12/25 08:54	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20862-2
SDG: AR257051-N

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-20862-2
 SDG: AR257051-N

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

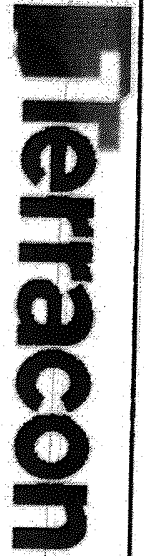
Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-20862-2
SDG: AR257051-N

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
820-20862-10	CFS-4.1	Solid	09/08/25 13:00	09/09/25 11:15	3.0 - 3.5
820-20862-11	CFS-5.1	Solid	09/08/25 13:05	09/09/25 11:15	3.0 - 3.5

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Office Location: Lubbock, Texas

Project Manager: Chuck Smith

Sampler's Name: Daniel Pavelka

Sampler's Signature: *[Signature]*

Laboratory: Eurofins
Address: 6701 Aberdeen
Lubbock, Texas 79424

Phone: (806) 794-1296

Contact: Holly Taylor

ANALYSIS REQUESTED

Chloride (EPA Method 300) X
BTEX (EPA Method 8021B) X
TPH 8015 extended X

LAB USE ONLY
DUE DATE:

TEMP OF COOLER (WHEN RECEIVED) (°C)

50.4/50.2
-10.0/10.0

Page 2 of 2

Project Number: AR257051-N
Project Name: WDDU #42

Identifying Marks of Sample(s)

Matrix	Date	Time	Comp	Grab	Start Depth (FT)	End Depth (FT)	No. Type of Containers
S	9/8/2025	1:00 PM	X		3.0	3.5	1
S	9/8/2025	1:05 PM	X		3.0	3.5	1

TURNAROUND TIME		<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> 48-Hour Rush	<input type="checkbox"/> 24-Hour Rush	TRRP Laboratory Review Checklist	<input type="checkbox"/> Yes	<input type="checkbox"/> No
-----------------	--	--	---------------------------------------	---------------------------------------	----------------------------------	------------------------------	-----------------------------

Requisitioned by (Signature): *[Signature]* Date: 9-1-25 Time: 0730 Received by (Signature): *[Signature]* Date: 9-1-25 Time: 0730

Requisitioned by (Signature): *[Signature]* Date: 9-2-25 Time: 1115 Received by (Signature): *[Signature]* Date: 9-2-25 Time: 1115

Requisitioned by (Signature): *[Signature]* Date: _____ Time: _____ Received by (Signature): _____ Date: _____ Time: _____

Matrix: W/W-Water/water W - Water 5 - Soil L - Liquid A - Air Bag C - Chloroal tube SL - Sludge
 Container: VOA - 40 ml vial AAG - Amber glass 1L 250 ml - Glass wide mouth M/D - Plastic or other Wide

Lubbock Office ■ 5847 50th Street ■ Lubbock, Texas 79424 ■ 806-300-0140
 Responsive ■ Resourceful ■ Reliable

Bill To: Scout Energy Management, LLC, Attn: Spencer Jackson
 Address: 13800 Montfort Dr., Dallas, TX 75240. On Invoice
 Reference A/E # 19909 and Incident No. NPRS0433635317

e-mail results to:
 chuck.smith@terracon.com
 joseph.guesniere@terracon.com

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-20862-2

SDG Number: AR257051-N

Login Number: 20862

List Number: 1

Creator: Guillen, Kyrstin

List Source: Eurofins Lubbock

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Lubbock



Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-20862-2

SDG Number: AR257051-N

Login Number: 20862

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 09/10/25 12:15 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Lubbock





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chuck Smith
 Terracon Consulting Eng & Scientists
 5847 50th St
 Lubbock, Texas 79424
 Generated 10/9/2025 5:22:59 PM

JOB DESCRIPTION

WDDU #42
 AR257051-N

JOB NUMBER

820-21304-1

Eurofins Lubbock
 6701 Aberdeen Ave.
 Suite 8
 Lubbock TX 79424



Eurofins Lubbock

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
10/9/2025 5:22:59 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Eurofins Lubbock

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by Eurofins Philadelphia field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification # 02015.

VL = field staff performs tests under NJ State certification # 06005.

WG = field staff performs tests under NJ State certification # PA001, PA State certification # 48-01334.

H = field staff performs tests under NJ NELAP certification # PA093, PA NELAP certification # 46-05499.

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

· The report shall not be reproduced, except in full, without the written consent of the laboratory

· All samples are collected as "grab" samples unless otherwise identified.

· Reported results related only to the samples as tested. Eurofins Philadelphia is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· Eurofins Philadelphia is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by Eurofins Philadelphia : Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Laboratory Job ID: 820-21304-1
SDG: AR257051-N

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-21304-1
SDG: AR257051-N

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLc	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project: WDDU #42

Job ID: 820-21304-1

Job ID: 820-21304-1

Eurofins Lubbock

Job Narrative 820-21304-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 10/3/2025 11:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -11.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar:

CFS-4.2 (820-21304-1) and CFS-5.2 (820-21304-2)

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-120674 and analytical batch 880-120753 were outside control limits. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: (820-21334-A-5-A), (820-21334-A-5-B MS) and (820-21334-A-5-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-21304-1
SDG: AR257051-N

Client Sample ID: CFS-4.2

Lab Sample ID: 820-21304-1

Date Collected: 10/01/25 16:20

Matrix: Solid

Date Received: 10/03/25 11:05

Sample Depth: 4.0 - 4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 12:02	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/08/25 09:12	10/08/25 12:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 12:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/25 09:12	10/08/25 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/08/25 09:12	10/08/25 12:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/08/25 09:12	10/08/25 12:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/25 12:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/09/25 01:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/06/25 07:23	10/09/25 01:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/06/25 07:23	10/09/25 01:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/06/25 07:23	10/09/25 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	10/06/25 07:23	10/09/25 01:39	1
o-Terphenyl (Surr)	128		70 - 130	10/06/25 07:23	10/09/25 01:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1650		49.8		mg/Kg			10/08/25 16:19	5

Client Sample ID: CFS-5.2

Lab Sample ID: 820-21304-2

Date Collected: 10/01/25 16:25

Matrix: Solid

Date Received: 10/03/25 11:05

Sample Depth: 4.0 - 4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/08/25 09:12	10/08/25 12:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/25 09:12	10/08/25 12:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/25 09:12	10/08/25 12:22	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/08/25 09:12	10/08/25 12:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/25 09:12	10/08/25 12:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/25 09:12	10/08/25 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/08/25 09:12	10/08/25 12:22	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-21304-1
 SDG: AR257051-N

Client Sample ID: CFS-5.2

Lab Sample ID: 820-21304-2

Date Collected: 10/01/25 16:25

Matrix: Solid

Date Received: 10/03/25 11:05

Sample Depth: 4.0 - 4.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107		70 - 130	10/08/25 09:12	10/08/25 12:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/25 12:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/09/25 01:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/06/25 07:23	10/09/25 01:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/06/25 07:23	10/09/25 01:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/06/25 07:23	10/09/25 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	10/06/25 07:23	10/09/25 01:54	1
o-Terphenyl (Surr)	124		70 - 130	10/06/25 07:23	10/09/25 01:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1350		49.6		mg/Kg			10/08/25 16:24	5

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-21304-1
SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
820-21304-1	CFS-4.2	97	109
820-21304-1 MS	CFS-4.2	99	104
820-21304-1 MSD	CFS-4.2	95	105
820-21304-2	CFS-5.2	94	107
LCS 880-120713/1-A	Lab Control Sample	94	107
LCSD 880-120713/2-A	Lab Control Sample Dup	95	107
MB 880-120713/5-A	Method Blank	93	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
820-21304-1	CFS-4.2	105	128
820-21304-2	CFS-5.2	99	124
880-63443-A-15-E MS	Matrix Spike	107	126
880-63443-A-15-F MSD	Matrix Spike Duplicate	97	113
LCS 880-120494/2-A	Lab Control Sample	90	104
LCSD 880-120494/3-A	Lab Control Sample Dup	95	109
MB 880-120494/1-A	Method Blank	83	94

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-21304-1
 SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120713/5-A
 Matrix: Solid
 Analysis Batch: 120701

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 120713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 11:40	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/08/25 09:12	10/08/25 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/25 09:12	10/08/25 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/25 09:12	10/08/25 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	10/08/25 09:12	10/08/25 11:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/08/25 09:12	10/08/25 11:40	1

Lab Sample ID: LCS 880-120713/1-A
 Matrix: Solid
 Analysis Batch: 120701

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 120713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1136		mg/Kg		114	70 - 130
Toluene	0.100	0.08710		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08618		mg/Kg		86	70 - 130
m,p-Xylenes	0.200	0.1698		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08544		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-120713/2-A
 Matrix: Solid
 Analysis Batch: 120701

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 120713

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1226		mg/Kg		123	70 - 130	8	35
Toluene	0.100	0.09367		mg/Kg		94	70 - 130	7	35
Ethylbenzene	0.100	0.09326		mg/Kg		93	70 - 130	8	35
m,p-Xylenes	0.200	0.1855		mg/Kg		93	70 - 130	9	35
o-Xylene	0.100	0.09207		mg/Kg		92	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 820-21304-1 MS
 Matrix: Solid
 Analysis Batch: 120701

Client Sample ID: CFS-4.2
 Prep Type: Total/NA
 Prep Batch: 120713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1140		mg/Kg		114	70 - 130
Toluene	<0.00200	U	0.100	0.08871		mg/Kg		89	70 - 130

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-21304-1
 SDG: AR257051-N

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 820-21304-1 MS
 Matrix: Solid
 Analysis Batch: 120701

Client Sample ID: CFS-4.2
 Prep Type: Total/NA
 Prep Batch: 120713

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00200	U	0.100	0.08763		mg/Kg		88	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1719		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100	0.08552		mg/Kg		86	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 820-21304-1 MSD
 Matrix: Solid
 Analysis Batch: 120701

Client Sample ID: CFS-4.2
 Prep Type: Total/NA
 Prep Batch: 120713

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1128		mg/Kg		113	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08807		mg/Kg		88	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.08689		mg/Kg		87	70 - 130	1	35
m,p-Xylenes	<0.00399	U	0.200	0.1711		mg/Kg		86	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.08543		mg/Kg		85	70 - 130	0	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-120494/1-A
 Matrix: Solid
 Analysis Batch: 120743

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 120494

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/06/25 07:23	10/08/25 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/06/25 07:23	10/08/25 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/06/25 07:23	10/08/25 19:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	83		70 - 130	10/06/25 07:23	10/08/25 19:52	1
o-Terphenyl (Surr)	94		70 - 130	10/06/25 07:23	10/08/25 19:52	1

Lab Sample ID: LCS 880-120494/2-A
 Matrix: Solid
 Analysis Batch: 120743

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 120494

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	857.6		mg/Kg		86	70 - 130

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-21304-1
 SDG: AR257051-N

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-120494/2-A
Matrix: Solid
Analysis Batch: 120743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120494

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-120494/3-A
Matrix: Solid
Analysis Batch: 120743

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120494

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1066		mg/Kg		107	70 - 130	5	20	
Diesel Range Organics (Over C10-C28)	1000	902.3		mg/Kg		90	70 - 130	5	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: 880-63443-A-15-E MS
Matrix: Solid
Analysis Batch: 120743

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 120494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1094		mg/Kg		109	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	887.3		mg/Kg		89	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	126		70 - 130

Lab Sample ID: 880-63443-A-15-F MSD
Matrix: Solid
Analysis Batch: 120743

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 120494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	
				Result	Qualifier				Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	976.4		mg/Kg		98	70 - 130	11	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	806.2		mg/Kg		81	70 - 130	10	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	97		70 - 130
o-Terphenyl (Surr)	113		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-21304-1
 SDG: AR257051-N

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120674/1-A
 Matrix: Solid
 Analysis Batch: 120753

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/08/25 15:42	1

Lab Sample ID: LCS 880-120674/2-A
 Matrix: Solid
 Analysis Batch: 120753

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.5		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-120674/3-A
 Matrix: Solid
 Analysis Batch: 120753

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 820-21334-A-5-B MS
 Matrix: Solid
 Analysis Batch: 120753

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2840	F1	1260	4250	F1	mg/Kg		113	90 - 110

Lab Sample ID: 820-21334-A-5-C MSD
 Matrix: Solid
 Analysis Batch: 120753

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2840	F1	1260	4265	F1	mg/Kg		114	90 - 110	0	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42Job ID: 820-21304-1
SDG: AR257051-N

GC VOA

Analysis Batch: 120701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Total/NA	Solid	8021B	120713
820-21304-2	CFS-5.2	Total/NA	Solid	8021B	120713
MB 880-120713/5-A	Method Blank	Total/NA	Solid	8021B	120713
LCS 880-120713/1-A	Lab Control Sample	Total/NA	Solid	8021B	120713
LCSD 880-120713/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120713
820-21304-1 MS	CFS-4.2	Total/NA	Solid	8021B	120713
820-21304-1 MSD	CFS-4.2	Total/NA	Solid	8021B	120713

Prep Batch: 120713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Total/NA	Solid	5035	
820-21304-2	CFS-5.2	Total/NA	Solid	5035	
MB 880-120713/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120713/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120713/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-21304-1 MS	CFS-4.2	Total/NA	Solid	5035	
820-21304-1 MSD	CFS-4.2	Total/NA	Solid	5035	

Analysis Batch: 120827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Total/NA	Solid	Total BTEX	
820-21304-2	CFS-5.2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 120494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Total/NA	Solid	8015NM Prep	
820-21304-2	CFS-5.2	Total/NA	Solid	8015NM Prep	
MB 880-120494/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120494/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-63443-A-15-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-63443-A-15-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Total/NA	Solid	8015B NM	120494
820-21304-2	CFS-5.2	Total/NA	Solid	8015B NM	120494
MB 880-120494/1-A	Method Blank	Total/NA	Solid	8015B NM	120494
LCS 880-120494/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120494
LCSD 880-120494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120494
880-63443-A-15-E MS	Matrix Spike	Total/NA	Solid	8015B NM	120494
880-63443-A-15-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	120494

Analysis Batch: 120879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Total/NA	Solid	8015 NM	
820-21304-2	CFS-5.2	Total/NA	Solid	8015 NM	

Eurofins Lubbock

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-21304-1
SDG: AR257051-N

HPLC/IC

Leach Batch: 120674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Soluble	Solid	DI Leach	
820-21304-2	CFS-5.2	Soluble	Solid	DI Leach	
MB 880-120674/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120674/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120674/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-21334-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
820-21334-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 120753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21304-1	CFS-4.2	Soluble	Solid	300.0	120674
820-21304-2	CFS-5.2	Soluble	Solid	300.0	120674
MB 880-120674/1-A	Method Blank	Soluble	Solid	300.0	120674
LCS 880-120674/2-A	Lab Control Sample	Soluble	Solid	300.0	120674
LCSD 880-120674/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120674
820-21334-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	120674
820-21334-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	120674

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-21304-1
 SDG: AR257051-N

Client Sample ID: CFS-4.2

Lab Sample ID: 820-21304-1

Date Collected: 10/01/25 16:20

Matrix: Solid

Date Received: 10/03/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	120713	10/08/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120701	10/08/25 12:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120827	10/08/25 12:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			120879	10/09/25 01:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120494	10/06/25 07:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120743	10/09/25 01:39	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120674	10/07/25 14:46	SA	EET MID
Soluble	Analysis	300.0		5			120753	10/08/25 16:19	SMC	EET MID

Client Sample ID: CFS-5.2

Lab Sample ID: 820-21304-2

Date Collected: 10/01/25 16:25

Matrix: Solid

Date Received: 10/03/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	120713	10/08/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120701	10/08/25 12:22	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120827	10/08/25 12:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			120879	10/09/25 01:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120494	10/06/25 07:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120743	10/09/25 01:54	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	120674	10/07/25 14:46	SA	EET MID
Soluble	Analysis	300.0		5			120753	10/08/25 16:24	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-21304-1
SDG: AR257051-N

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: WDDU #42

Job ID: 820-21304-1
 SDG: AR257051-N

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: WDDU #42

Job ID: 820-21304-1
SDG: AR257051-N

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
820-21304-1	CFS-4.2	Solid	10/01/25 16:20	10/03/25 11:05	4.0 - 4.5
820-21304-2	CFS-5.2	Solid	10/01/25 16:25	10/03/25 11:05	4.0 - 4.5

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- 10
- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-21304-1

SDG Number: AR257051-N

Login Number: 21304

List Number: 1

Creator: Guillen, Kyrstin

List Source: Eurofins Lubbock

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

- 1
- 2
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- 9
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- 11
- 12
- 13
- 14

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-21304-1

SDG Number: AR257051-N

Login Number: 21304

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 10/07/25 04:46 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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APPENDIX G

TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the MSA agreed with you, Scout Energy Management LLC.

Additional Scope Limitations

The development of this Closure Report is based upon information provided by Scout Energy Management LLC. Such 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, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by Scout Energy Management LLC. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

Reliance

This report has been prepared for the exclusive use of Scout Energy Management 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 of Scout Energy Management LLC., and Terracon. Any unauthorized distribution or reuse is at Scout Energy Management LLC., sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Scout Energy Management LLC., and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Scout Energy Management LLC., and all relying parties unless otherwise agreed in writing.

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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

Action 541465

QUESTIONS

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 541465
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nPRS0433653517
Incident Name	NPRS0433653517 WEST DOLLARHIDE DRINKARD NO. 42 @ 30-025-12321
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-12321] WEST DOLLARHIDE DRINKARD UNIT #042

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	WEST DOLLARHIDE DRINKARD NO. 42
Date Release Discovered	11/08/2004
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 3 BBL Recovered: 0 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 35 BBL Recovered: 10 BBL Lost: 25 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
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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QUESTIONS, Page 2

Action 541465

QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 541465
	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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.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 safety 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.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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: Chuck Smith Title: Terracon Consultant Email: Chuck.smith@terracon.com Date: 01/08/2026
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QUESTIONS, Page 3

Action 541465

QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 541465
	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 approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and 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)	Between 1000 (ft.) and ½ (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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
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)	1910
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1009.8
GRO+DRO (EPA SW-846 Method 8015M)	271
BTEX (EPA SW-846 Method 8021B or 8260B)	9.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	05/12/2025
On what date will (or did) the final sampling or liner inspection occur	12/27/2024
On what date will (or was) the remediation complete(d)	06/27/2025
What is the estimated surface area (in square feet) that will be reclaimed	4420
What is the estimated volume (in cubic yards) that will be reclaimed	327
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation 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 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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QUESTIONS, Page 4

Action 541465

QUESTIONS (continued)

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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.)

(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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	Dollarhide Unit 708 CT, 715 CT and 849 D.
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: Chuck Smith Title: Terracon Consultant Email: Chuck.smith@terracon.com Date: 01/08/2026
--	--

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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QUESTIONS, Page 5

Action 541465

QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 541465

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	510348
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

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	0
What was the total volume (cubic yards) remediated	0
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	4630
What was the total volume (in cubic yards) reclaimed	452
Summarize any additional remediation activities not included by answers (above)	On June 4, 2025, the Texas Railroad Commission issued Letter of Authorization (20250604-LOA-0042-Permit) in accordance with Texas Administration Code (TAC) Title 16, Part 1, Chapter 3.8 (Statewide Rule *), under the "Produced Water Beneficial Reuse Framework for Pilot Study Authorization dated January 8, 2024", and the affected material was transported to the approved locations in Texas for reuse.

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.

I hereby agree and sign off to the above statement	Name: Chuck Smith Title: Terracon Consultant Email: Chuck.smith@terracon.com Date: 01/08/2026
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Action 541465

QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 541465

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/11/2026
scott.rodgers	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. The 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; 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.	3/11/2026
scott.rodgers	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, 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.	3/11/2026