



January 2, 2025

New Mexico Oil Conservation Division

1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Deferral Request
Outrider 28 Fed CVB
Incident Numbers nAPP2429626088
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Deferral Request* to document assessment, delineation, and soil sampling activities at the Outrider 28 Fed CVB (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a crude oil release on the pad surface due to equipment failure. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Deferral Request*, describing Site assessment and delineation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2429626088 until the Site is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit J, Section 28, Township 24 South, Range 32 East, in Lea County, New Mexico (32.1864°, -103.67567°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On October 21, 2024, a failed Victaulic clamp resulted in the release of 9 barrels (bbls) of crude oil onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 8 bbls of crude oil were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and submitted an Initial C-141 Application (C-141) on October 22, 2024. The release was assigned Incident Number nAPP2429626088.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on data from a water well permitted by the New Mexico Office of the State Engineer (C-04536) drilled on June 9, 2021. The water well was drilled 0.43 miles southeast of the Site. Depth to water recorded following

drilling activities was 314 feet bgs. All wells used to determine depth to groundwater are depicted on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 6.3 miles east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On November 4, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations of the release. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit. On November 4, 2024, Ensolum personnel conducted delineation and surface scraping activities. Five delineation soil samples, SS02 through SS06, were collected from a depth of approximately 0.5 feet bgs around the release to assess the lateral extent. Additionally, one borehole, BH01, was advanced via hand auger within the release extent to a terminal depth of 4 feet bgs to assess the vertical extent of the release. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations are depicted on Figure 2. Photographic documentation is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Methods SM4500.

LABORATORY ANALYTICAL RESULTS

Delineation soil samples, SS02 through SS06, collected around the release extent from a depth of 0.5 feet bgs indicated all COCs were in compliance with Site Closure Criteria and the strictest Table I Closure Criteria, successfully defining the lateral extent of the release. Laboratory analytical results for delineation soil samples BH01 and BH01A, collected at depths of 0.5 feet and 1-foot bgs, respectively, indicated benzene, BTEX, TPH-GRO/TPH-DRO, and/or TPH concentrations exceeded the Closure

XTO Energy, Inc
Deferral Request
Outrider 28 Fed CVB



Criteria. Delineation soil sample BH01D, collected at a depth of 4 feet bgs, indicated all COC concentrations were in compliance with the Closure Criteria, successfully defining the vertical extent of the release.

SURFACE SCRAPING ACTIVITIES

Following delineation activities, surface scraping of visibly stained soil was conducted in the release area to the maximum extent possible. Surface scraping activities were performed utilizing hand tools, as no mechanical equipment could access the impacted soil due to active production equipment and surface pipelines. The estimated area of impacted soil left in place immediately adjacent to active production equipment measures approximately 705 square feet and a total of approximately 105 cubic yards of impacted soil remains in place. The estimated area of remaining impacted soil and delineation soil sample locations are presented on Figure 2.

DEFERRAL REQUEST

XTO is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines preventing excavation of impacted soil. The impacted soil is limited to the area between active production equipment, where remediation would require a major facility deconstruction. The impacted soil remaining in place is delineated vertically by delineation soil sample BH01D, collected at 4 feet bgs. The soil is laterally defined by delineation soil samples SS02 through SS06.

XTO does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 100 feet bgs and the impacted soil remaining in place is limited in areal and vertical extent.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, XTO requests deferral of final remediation for Incident Number nAPP2429626088 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Tracy Hillard".

Tracy Hillard
Project Engineer

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

cc: Colton Brown, XTO
Kaylan Dirkx, XTO
Bureau of Land Management

XTO Energy, Inc
Deferral Request
Outrider 28 Fed CVB



Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation



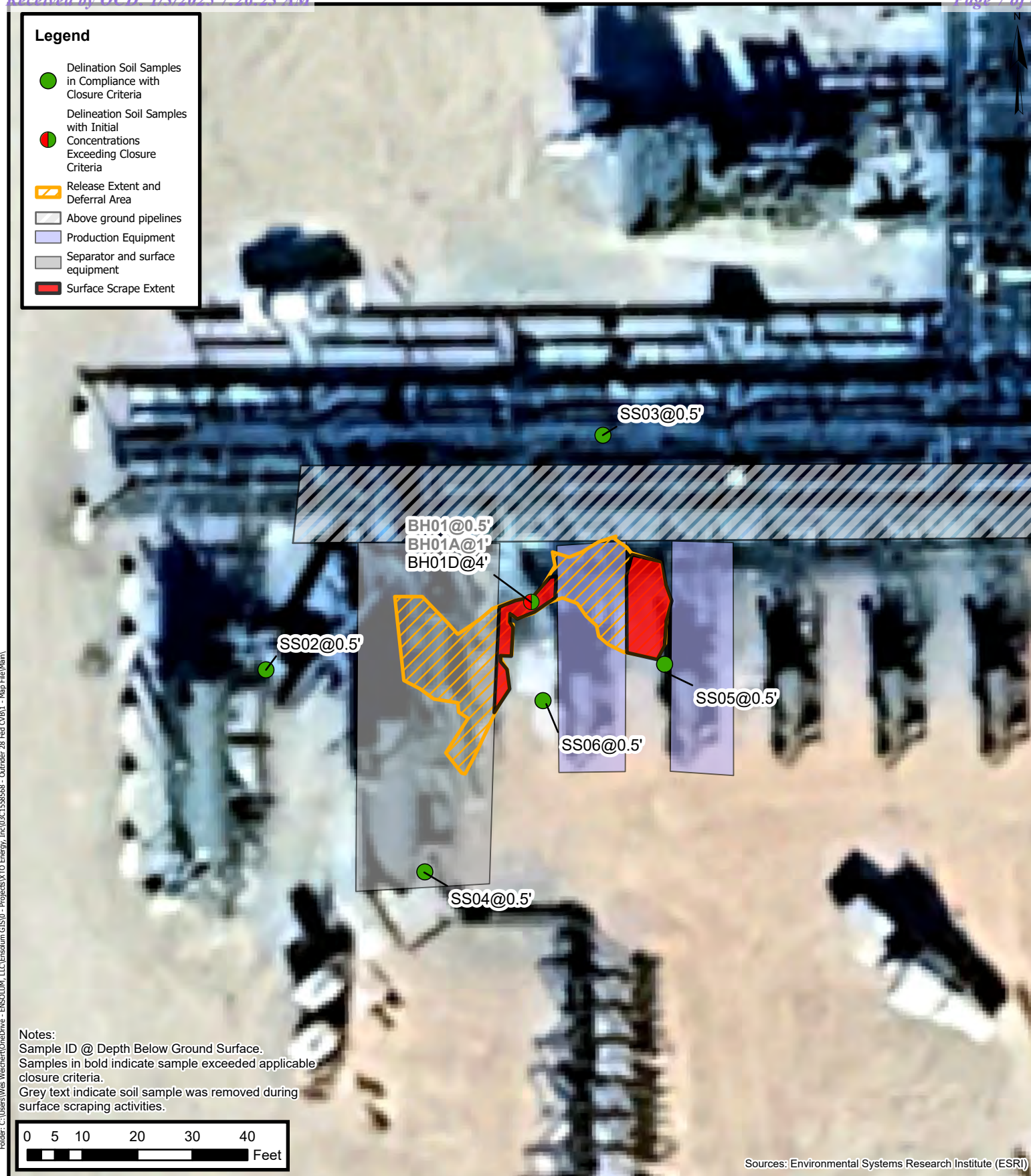
FIGURES



1

Legend

- Delineation Soil Samples in Compliance with Closure Criteria
- Delineation Soil Samples with Initial Concentrations Exceeding Closure Criteria
- Release Extent and Deferral Area
- Above ground pipelines
- Production Equipment
- Separator and surface equipment
- Surface Scrape Extent



Delineation Soil Sample Locations

XTO Energy, Inc
 Outrider 28 Fed CVB
 Incident Number: nAPP2429626088
 Unit J, Sec 28, T24S, R32E
 Eddy Co, New Mexico, United States

FIGURE
2



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Outrider 28 Federal CVB
 XTO Energy, Inc
 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS02	11/04/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SS03	11/04/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS04	11/04/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS05	11/04/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS06	11/04/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
BH01	11/04/2024	0.5	23.7	793	10,800	19,500	2,830	30,300	33,130	160
BH01A	11/04/2024	1	2.24	114	1,560	3,390	525	4,950	5,475	32.0
BH01D	11/04/2024	4	<0.050	<0.300	<10.0	52.7	<10.0	52.7	52.7	16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A

Referenced Well Records

OSE DTI JUL 9 2021 PM 1:52



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTI JUN 21 2021 PM 10:14

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4536 POD 1		WELL TAG ID NO. 20E37		OSE FILE NO(S) C-4536 ✓			
	WELL OWNER NAME(S) BASIN PROPERTIES RANCHES LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 3300 N A STREET, BLDG 1, STE 220				CITY MIDLAND	STATE TX	ZIP 79705	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 10	SECONDS 50.8 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation		
	DRILLING STARTED 06/09/21	DRILLING ENDED 06/10/21	DEPTH OF COMPLETED WELL (FT) 500	BORE HOLE DEPTH (FT) 500	DEPTH WATER FIRST ENCOUNTERED (FT) 314			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 314			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	12 3/4	STEEL	N/A	8.28	.337	
	0	300	7 7/8	SDR17 PVC	SPLINE	4.3	SDR17	
	300	500	7 7/8	SDR17 PVC	SPLINE	4.3	SDR17	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	12 3/4	CEMENT	10	TOP FILL		
	0	20	7 7/8	CEMENT	6	TOP FILL		
	300	500	7 7/8	8/16 SILICA SAND	46	TOP FILL		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4536-POD 1	POD NO. 1	TRN NO. 695378
LOCATION STK 24.32.33.122	WELL TAG ID NO. 20E37	PAGE 1 OF 2

05E DTI JUN 21 2021 RM10:16

4. HYDROGEOLOGIC LOG OF WELL

FOR OSE INTERNAL USE



APPENDIX B

Photographic Log



Photographic Log
XTO Energy, Inc
Outrider 28 Fed CVB
nAPP2429626088



Photograph: 1 Date: 10/21/2024
Description: Initial pooling in release footprint
View: West



Photograph: 2 Date: 11/4/2024
Description: Surface scraping and delineation
View: Southwest



Photograph: 3 Date: 11/4/2024
Description: Surface scraping and delineation
View: Northeast




Photograph: 4 Date: 11/4/2024
Description: Surface scraping and delineation
View: Southeast



APPENDIX C

Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: BH01		Date: 11/4/2024				
		Site Name: Outrider 28 Fed CVB						
		Incident Number: nAPP2429626088						
		Job Number: 03C1558568						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.186207, -103.677168			Logged By: SB		Method: Hand Auger			
			Hole Diameter: 4"		Total Depth: 4'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	<168	1,007	Y	BH01	0.5	0	CCHE	(0-1') CALICHE, tan, well graded, gravel, with silt and sand
M	<168	1,504	Y	BH01A	1	1	SP	(1-4') SAND, red, poorly graded, with silt
D	<168	317	Y		2	2		
D	<168	37.9	N		3	3		
D	<168	31.9	N	BH01D	4	4		
						Total Depth @ 4 feet bgs		



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 08, 2024

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: OUTRIDER 28 FEDERAL CVB

Enclosed are the results of analyses for samples received by the laboratory on 11/05/24 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH 01 0.5'	H246724-01	Soil	04-Nov-24 11:35	05-Nov-24 13:30
BH 01 A 1'	H246724-02	Soil	04-Nov-24 11:54	05-Nov-24 13:30
BH 01 D 4'	H246724-03	Soil	04-Nov-24 12:30	05-Nov-24 13:30
SS 02 0.5'	H246724-05	Soil	04-Nov-24 15:55	05-Nov-24 13:30
SS 03 0.5'	H246724-06	Soil	04-Nov-24 15:59	05-Nov-24 13:30
SS 04 0.5'	H246724-07	Soil	04-Nov-24 16:05	05-Nov-24 13:30
SS 05 0.5'	H246724-08	Soil	04-Nov-24 13:47	05-Nov-24 13:30
SS 06 0.5'	H246724-09	Soil	04-Nov-24 14:37	05-Nov-24 13:30

11/08/24 - Client cancelled sample -04 (see COC). This is the revised report and will replace the one sent on 11/07/24.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

BH 01 0.5'
H246724-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	23.7		2.00	mg/kg	2000	4110515	JH	06-Nov-24	8021B	
Toluene*	233		2.00	mg/kg	2000	4110515	JH	06-Nov-24	8021B	
Ethylbenzene*	79.4		2.00	mg/kg	2000	4110515	JH	06-Nov-24	8021B	
Total Xylenes*	457		6.00	mg/kg	2000	4110515	JH	06-Nov-24	8021B	
Total BTEX	793		12.0	mg/kg	2000	4110515	JH	06-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			155 %	71.5-134		4110515	JH	06-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	10800		50.0	mg/kg	5	4110532	MS	06-Nov-24	8015B	
DRO >C10-C28*	19500		50.0	mg/kg	5	4110532	MS	06-Nov-24	8015B	
EXT DRO >C28-C36	2830		50.0	mg/kg	5	4110532	MS	06-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			706 %	48.2-134		4110532	MS	06-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			295 %	49.1-148		4110532	MS	06-Nov-24	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

BH 01 A 1'
H246724-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	2.24		0.500	mg/kg	500	4110515	JH	06-Nov-24	8021B	
Toluene*	27.8		0.500	mg/kg	500	4110515	JH	06-Nov-24	8021B	
Ethylbenzene*	11.9		0.500	mg/kg	500	4110515	JH	06-Nov-24	8021B	
Total Xylenes*	72.1		1.50	mg/kg	500	4110515	JH	06-Nov-24	8021B	
Total BTEX	114		3.00	mg/kg	500	4110515	JH	06-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	145 %		71.5-134			4110515	JH	06-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	1560		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
DRO >C10-C28*	3390		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
EXT DRO >C28-C36	525		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	

Surrogate: 1-Chlorooctane	143 %		48.2-134			4110532	MS	05-Nov-24	8015B	
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Surrogate: 1-Chlorooctadecane	109 %		49.1-148			4110532	MS	05-Nov-24	8015B	
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Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

BH 01 D 4'
H246724-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110515	JH	05-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.8 %		71.5-134	4110515	JH	05-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
DRO >C10-C28*	52.7		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.0 %		48.2-134	4110532	MS	05-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.3 %		49.1-148	4110532	MS	05-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

SS 02 0.5'
H246724-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4110515	JH	05-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		99.9 %		71.5-134	4110515	JH	05-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>		87.7 %		48.2-134	4110532	MS	05-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		85.1 %		49.1-148	4110532	MS	05-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

SS 03 0.5'
H246724-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110515	JH	05-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.8 %		71.5-134	4110515	JH	05-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.6 %		48.2-134	4110532	MS	05-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.9 %		49.1-148	4110532	MS	05-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

SS 04 0.5'
H246724-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4110515	JH	05-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		99.2 %		71.5-134	4110515	JH	05-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>		96.2 %		48.2-134	4110532	MS	05-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		95.0 %		49.1-148	4110532	MS	05-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

SS 05 0.5'
H246724-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Toluene*	0.051		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110515	JH	05-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		71.5-134	4110515	JH	05-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.4 %		48.2-134	4110532	MS	05-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.0 %		49.1-148	4110532	MS	05-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

SS 06 0.5'
H246724-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	560		16.0	mg/kg	4	4110621	AC	06-Nov-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4110515	JH	05-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4110515	JH	05-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		4110515	JH	05-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4110532	MS	05-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.7 %	48.2-134		4110532	MS	05-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.2 %	49.1-148		4110532	MS	05-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110621 - 1:4 DI Water										
Blank (4110621-BLK1)										
					Prepared & Analyzed: 06-Nov-24					
Chloride	ND	16.0	mg/kg							
LCS (4110621-BS1)										
					Prepared & Analyzed: 06-Nov-24					
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4110621-BSD1)										
					Prepared & Analyzed: 06-Nov-24					
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4110515 - Volatiles**Blank (4110515-BLK1)**

Prepared & Analyzed: 05-Nov-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.6	71.5-134			

LCS (4110515-BS1)

Prepared & Analyzed: 05-Nov-24

Benzene	2.25	0.050	mg/kg	2.00		113	82.8-130			
Toluene	2.15	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.30	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.11	0.050	mg/kg	2.00		105	86.1-125			
Total Xylenes	6.41	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	71.5-134			

LCS Dup (4110515-BSD1)

Prepared & Analyzed: 05-Nov-24

Benzene	2.25	0.050	mg/kg	2.00		112	82.8-130	0.275	15.8	
Toluene	2.13	0.050	mg/kg	2.00		107	86-128	0.794	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128	1.84	16	
m,p-Xylene	4.23	0.100	mg/kg	4.00		106	89-129	1.71	16.2	
o-Xylene	2.07	0.050	mg/kg	2.00		103	86.1-125	2.02	16.7	
Total Xylenes	6.30	0.150	mg/kg	6.00		105	88.2-128	1.81	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: OUTRIDER 28 FEDERAL CVB
Project Number: 03C1558568
Project Manager: TRACY HILLARD
Fax To:

Reported:
08-Nov-24 16:48

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4110532 - General Prep - Organics**Blank (4110532-BLK1)**

Prepared & Analyzed: 05-Nov-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.4	48.2-134			
Surrogate: 1-Chlorooctadecane	44.1		mg/kg	50.0		88.2	49.1-148			

LCS (4110532-BS1)

Prepared & Analyzed: 05-Nov-24

GRO C6-C10	198	10.0	mg/kg	200		98.8	81.5-123			
DRO >C10-C28	194	10.0	mg/kg	200		96.9	77.7-122			
Total TPH C6-C28	391	10.0	mg/kg	400		97.9	80.9-121			
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	50.2		mg/kg	50.0		100	49.1-148			

LCS Dup (4110532-BSD1)

Prepared & Analyzed: 05-Nov-24

GRO C6-C10	201	10.0	mg/kg	200		101	81.5-123	1.76	13	
DRO >C10-C28	196	10.0	mg/kg	200		98.0	77.7-122	1.15	15.6	
Total TPH C6-C28	397	10.0	mg/kg	400		99.3	80.9-121	1.46	18.5	
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	50.2		mg/kg	50.0		100	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2-501

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Tracy Hillard

P.O. #:

Address: 3122 National Parks Hwy

Company: XTO Energy LLC

City: Carlsbad

State: NM

Zip: 88220

Attn: Celeya Brown

Phone #: 505-937-3906 Fax #:

Address: 3104 E Green St.

Project #: 030558528 Project Owner:

City: Carlsbad

Project Name: Outrigger 28 Fed CW3

State: NM Zip: 88220

Project Location:

Phone #:

Sampler Name: Sherie Brooks

Fax #:

FOR LAB USE ONLY

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BENZENE	PBT	TPH	Chloride												
MATRIX																						PRESERV.	SAMPLING										
HE46734	5		SS02	0.5'	G				X				X			11/4/24	15:55	X	X	X	X												
	4		SS03													15:59																	
	2		SS04													16:05																	
	8		SS05													13:44																	
	9		SS06													14:37																	

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Relinquished By:

Date: 11/3/14 Received By:

Relinquished By: Sherie Brooks

Date: 11/3/14 Received By: Sherie Brooks

Time: 1:30 PM

Delivered By: (Circle One)

Observed Temp.: 1.9°C

Sample Condition Cool Intact

CHECKED BY: (Initials)

Turnaround Time: 48 hrs

Standard

Bacteria (only)

Cool Intact

Sample Condition

Sampler - UPS - Bus - Other:

Corrected Temp.: 1.3°C

Yes No

Yes No

Thermometer ID: #113

Correction Factor: -0.5°C

Yes No

Observed Temp.: °C

Corrected Temp.: °C

† Cardinal cannot accept verbal changes. Please email changes to celeya.keene@cardinallabsnm.com

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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 416780

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 416780
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429626088
Incident Name	NAPP2429626088 OTRIDER 28 FED CVB @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2320729912] OTRIDER 28 FEDERAL CVB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	OTRIDER 28 FED CVB
Date Release Discovered	10/21/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other Other (Specify) Crude Oil Released: 9 BBL Recovered: 8 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	Victolic clamp failed

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QUESTIONS, Page 2

Action 416780

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 416780
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/03/2025
--	--

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QUESTIONS, Page 3

Action 416780

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number: 416780
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	NM OSE iWaters Database Search
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	No

Remediation Plan	
<i>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.</i>	
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)	560
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	33130
GRO+DRO (EPA SW-846 Method 8015M)	30300
BTEX (EPA SW-846 Method 8021B or 8260B)	793
Benzene (EPA SW-846 Method 8021B or 8260B)	23.7
<i>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>	
On what estimated date will the remediation commence	10/24/2024
On what date will (or did) the final sampling or liner inspection occur	11/04/2024
On what date will (or was) the remediation complete(d)	11/04/2024
What is the estimated surface area (in square feet) that will be reclaimed	705
What is the estimated volume (in cubic yards) that will be reclaimed	13
What is the estimated surface area (in square feet) that will be remediated	705
What is the estimated volume (in cubic yards) that will be remediated	13
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 416780

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 416780
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	OWL LANDFILL JAL [JEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>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>	
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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/03/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 416780

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 416780
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Seperator and production lines
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	705
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	105
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	OUTRIDER 28 FEDERAL CVB [fAPP2320729912]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>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>	
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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 01/03/2025

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QUESTIONS, Page 6

Action 416780

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 416780
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	397512
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/08/2024
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	750

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	No
--	----

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CONDITIONS

Action 416780

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 416780
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	XTO's deferral requests final remediation for (Incident Number NAPP2429626088) until final reclamation of the well pad or major construction, whichever comes first. Ensolum and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the area designated as "Release Extent and Deferral Area" on figure 2 that is next to active production equipment and surface pipelines, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	4/17/2025