December 29, 2022

Oxy USA Inc. PO Box 4294 Houston, TX 77210 Attn: Mr. Wade Dittrich

> Re: Remediation Work Plan North Corridor WPF 32.247° N, 103.787° W Eddy County, New Mexico Incident ID: nAPP2227954604 Ensolum Project No. 03B1417062

Dear Mr. Dittrich:

Ensolum, LLC. (Ensolum) has prepared this Remediation Work Plan to perform environmental consulting services in the vicinity of the North Corridor WPF, referred to hereinafter as the "Site." The Site is located off Louis Whitlock Rd and an unnamed caliche road, approximately 17 miles east of Malaga in Eddy County, New Mexico.

I. SITE DESCRIPTION & BACKGROUND

Operator:	Oxy USA Inc. (Oxy)
Site Name:	North Corridor WPF
Location:	32.247° N, 103.787° W Eddy County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Site is located in Unit E, Section 4, Township 24 South, Range 31 East, in Eddy County, New Mexico (32.247° N, 103.787° W) and is associated with oil and gas exploration and production operations on BLM Federal Land.

On October 4, 2022, a release of produced water was reported from internal corrosion on a transfer pump. Approximately 165 barrels (bbls) of produced water were released with 160 bbls recovered. Oxy reported the release to the NMOCD and BLM through email notification on October 5, 2022. The release was assigned Incident Number nAPP2227954604.

On October 26, 2022, Ensolum arrived on-Site and collected a total of 20 composite pothole soil samples from five locations (PH-1 and PH-5), four from each pothole location at one-foot intervals down to a depth of four feet below ground surface (bgs), within the release area. Additionally, four delineation composite soil samples (BG-1 through BG-4) were collected from a depth of 0 - 0.25 feet bgs to determine the horizontal and vertical extent of the release.

Mr. Wade Dittrich Remediation Work Plan North Corridor WPF

Based on the analytical results from the soil samples collected and the lack of a water well within 0.5 mile from the Site, the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* Table I: Closure Criteria for Soils Impacted by a Release (\leq 50 feet) values were utilized. The composite pothole soil samples and delineation composite soil sample results are included as **Table 1** in **Attachment D**.

The Site Map indicating the overall area of the release, the composite pothole soil sample's locations, and the delineation composite soil sample's locations are included as **Figure 3** in **Attachment A**.

II. CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references NMAC 19.15.29 *Releases,* which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum utilized information provided by Oxy, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. Closure criteria supporting documentation is included in **Attachment B**.

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

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

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

III. SCOPE OF SERVICES

A. Health and Safety Plan

Ensolum will develop a site-specific Health and Safety Plan (HSP) for the performance of the scope of services described in this Remediation Work Plan. For the purposes of this HSP, it is assumed that the constituents of concern (COCs) include petroleum hydrocarbons. For the purposes of this HSP, it is assumed that the scope of services can be conducted under modified Level D personal protective equipment (PPE), which will include fire-retardant (FR) clothing, hard hat, steel-toed boots, protective eyewear and gloves. Should the need arise to upgrade PPE (e.g. respiratory protection), the client will be notified, and the HSP will be modified accordingly. Although it is not anticipated at this time, it should be noted that a PPE upgrade will constitute a change in scope of work, requiring a change order.

B. Soil Boring Installation

Due to the absence of water wells being present within 0.5 mile of the Site, one soil boring will be installed to determine the depth to groundwater in the area. The soil boring will be advanced utilizing an air rotary drilling rig, under the supervision of a state-licensed water well driller. The soil boring will be left open for approximately 48 hours to allow groundwater, if encountered, to reach static level.

Prior to initiation of drilling activities, an *Application for Permit to Drill a Well with No Consumptive Use of Water (WR-07)* will be submitted to the New Mexico OSE prior to the installation of the soil boring. In preparation for the potential encounter of groundwater, a *Well Plugging Plan of Operations (WD-08)* will be submitted to the New Mexico OSE prior to the installation of the soil boring.

If groundwater is not encontered, soil cuttings will be placed back in the bore hole and capped with bentonite sebsequent to installation and the 48 hour waiting period.



Drilling equipment will be decontaminated by high pressure cleaning prior to commencement of the project. A boring log will be created using drill cuttings from the air rotary rig to document lithology, color, relative moisture content and visual or olfactory evidence of impairment.

C. Excavation Activities

Subsequent to soil boring installation activities, the Site will be excavated by a third-party contractor to remove impacted soils in the release area based on laboratory analytical data, olfactory and/or visual evidence of impairment. Based on current analytical data taken at the Site, sample point PH-2, PH-3 and PH-5 will be excavated down to one to four feet bgs.

At this time, an estimated 60 cubic yards (cy) will be excavated from the release area. The excavated impacted soils will be placed on plastic on-Site and will be taken off-Site for proper disposal upon receipt of laboratory analytical results. The remediation will be completed within 90 days of approval from the NMOCD.

D. Confirmation Composite Soil Sampling Program

Once excavation activities are complete, Ensolum will collect additional confirmation composite soil samples every 600 square-feet from the bottomhole and sidewalls of the release area based on the following criteria:

- Highest photoionization detector (PID) reading;
- Highest electrical conductivity reading; or
- Change in lithology.

E. Laboratory Analytical Program

The soil samples collected from the proposed confirmation composite samples will be analyzed for total petroleum hydrocarbons (TPH) gasoline range organics (GRO)/ diesel range organics (DRO)/ motor oil/lube oil range organics (MRO) utilizing Environmental Protection Agency (EPA) SW-846 Method 8015M, benzene, toluene, ethylbenzene and xylene (BTEX) utilizing EPA SW-846 Method 8021B, and chloride utilizing EPA Method SM4500 CI B under the NMOCD Closure Criteria for Soils Impacted by a Release (≤50 feet). Based on the results of the soil boring installation and depth to groundwater (if encountered), the Closure Criteria limits for TPH (GRO/DRO/MRO), BTEX, benzene and/or chloride is subject to change.

IV. REPORTING

Subsequent to the completion of Site activities, a Closure Report will be prepared by Ensolum to document completed site investigation and remediation activities as well as any corrective action at the Site, if needed.

V. DELIVERABLES

The results, findings, conclusions, and recommendations, which will be provided in the Closure Report, will be based solely on the conditions which are observed during the site investigation and the information reviewed by Ensolum. No warranties or representations, expressed or implied, will be made as to the condition of the site beyond that observed by Ensolum during its site investigation.



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We appreciate the opportunity to provide this Remediation Work Plan and look forward to working with you on this project. If you should have any questions or comments regarding this Remediation Work Plan, please contact either of the undersigned.

Sincerely, **Ensolum, LLC**

Athans IN KA

Heather Holthaus Senior Project Manager hholthaus@ensolum.com

Beaux Jennings

Senior Project Manager

Attachments:

Attachment A – Figures Attachment B – Supporting Documentation Attachment C – Photographic Documentation Attachment D – Table 1 – Soil Sample Analytical Results Attachment E – Laboratory Report & Chain-of-Custody Documentation Attachment F – C-141



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ATTACHMENT A

Figures

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ATTACHMENT B

Supporting Documentation

Active Mines in New Mexico



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Registered Mines

- * Aggregate, Stone etc.
- * Aggregate, Stone etc.



Esri, HERE, Garmin, Earthstar Geographics

Received by OCD: 12/29/2022 8:34:19 PM National Flood Hazard Layer FIRMette



Legend

regulatory purposes.

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103°47'30"W 32°15'2"N SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) Zone A. V. A9 With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS **Regulatory Floodway** 35015C1400D 0.2% Annual Chance Flood Hazard, Areas 6/4/2010 of 1% annual chance flood with average depth less than one foot or with drainage **Not Printed** areas of less than one square mile Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - — – – Channel, Culvert, or Storm Sewer GENERAL STRUCTURES LIIII Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation AREA OF MINIMAL FLOOD HAZARD Eddy County **Coastal Transect** Base Flood Elevation Line (BFE) Zd e X 350120 Limit of Study Jurisdiction Boundary — --- Coastal Transect Baseline OTHER **Profile Baseline** FEATURES Hydrographic Feature 35015C1650D **Digital Data Available** eff. 6/4/2010 No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/23/2022 at 10:30 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for 103°46'52"W 32°14'32"N Feet 1:6.000 unmapped and unmodernized areas cannot be used for

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Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



OSE POD Locations Map



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default

Plugged

default

OSE District Boundary

SiteBoundaries

GIS WATERS PODs New Mexico State Trust Lands

0 Active Both Estates



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

National Wetlands Inventory

Wetlands Mapper



Lake

Other

Riverine

Freshwater Emergent Wetland

Freshwater Pond

Freshwater Forested/Shrub Wetland

Wetlands

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

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ATTACHMENT C

Photographic Documentation



View of release point and impact area during intitial investigation activities, facing northwest.



View of impact area during intitial investigation activities, facing southeast.



View of impact area during intitial investigation activities, facing northwest.



View of impact area during intitial investigation activities, facing northeast.

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ATTACHMENT D

Table 1 - Soil Sample Analytical Results

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E N S O L U M

Designation Date (res bgs) (mg/kg) (mg/kg)		TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS North Corridor WPF Oxy USA Inc. Eddy County, New Mexico Ensolum Project No. 03B1417062											
Criteria for Soils Impedied by a Release (\$ 50 10 NE NE NE S0 NE NE NE 100 600 Print for Soils Sample Analytical Results PH-1 10/26/2022 0.1 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050		Date					Xylenes	BTEX		-		(GRO+DRO+MRO)	Chloride (mg/kg)
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
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PH-5 1 - 2 < 0.050 < 0.050 < 0.050 < 0.150 < 0.300 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.			-										
PH-5 10/26/2022 2 - 3 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0			-										
3 - 4 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	PH-5	10/26/2022											
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BG-1 10/26/2022 0 - 0.25 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0			3 - 4	<0.050	<0.050				<10.0	<10.0	<10.0	<10.0	112
BG-2 10/26/2022 0 - 0.25 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	DO 1	40/00/0000	0.005	-0.050	.0.050	-			.40.0	.40.0	.40.0		.40.0
BG-3 10/26/2022 0 - 0.25 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 32.0	-												
	BG-3 BG-4	10/26/2022	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0 <16.0

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

bgs: below ground surface mg/kg: milligrams per kilogram NE: Not Established BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes GRO: Gasoline Range Organics DRO: Diesel Range Organics MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

ENSOLUM

ATTACHMENT E

Laboratory Report & Chain-of-Custody Documentation



November 01, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NORTH CORRIDOR WPF

Enclosed are the results of analyses for samples received by the laboratory on 10/26/22 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 1 0-1' (H225048-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	10/30/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/30/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2022	ND					
Surrogate: 1-Chlorooctane	106	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124	% 46.3-17	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 1 1-2' (H225048-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/30/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2022	ND					
Surrogate: 1-Chlorooctane	101 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 9	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 1 2-3' (H225048-03)

BTEX 8021B	mg/	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/30/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2022	ND					
Surrogate: 1-Chlorooctane	99.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 1 3-4' (H225048-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/30/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2022	ND					
Surrogate: 1-Chlorooctane	109	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 2 0-1' (H225048-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/30/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2022	ND					
Surrogate: 1-Chlorooctane	105 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 9	% 46.3-17	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 2 1-2' (H225048-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	920	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/30/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/30/2022	ND					
Surrogate: 1-Chlorooctane	106	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	126	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC	
BEAUX JENNINGS	
705 W WADLEY AVE.	
MIDLAND TX, 79705	
Fax To:	

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 2 2-3' (H225048-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	102 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	46.3-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 2 3-4' (H225048-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.6	200	1.69	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	194	97.0	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	104 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	125 9	46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 3 0-1' (H225048-09)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	100 \$	45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	46.3-17	8						

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ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 3 1-2' (H225048-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	105 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 9	% 46.3-17	8						

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MIDLAND TX, 79705	
Fax To:	

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 3 2-3' (H225048-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	99.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	% 46.3-17	8						

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Fax To:	

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 3 3-4' (H225048-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	94.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 9	46.3-17	8						

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MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 4 0-1' (H225048-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	101 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	8						

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Fax To:	

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 4 1-2' (H225048-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	97.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	% 46.3-17	8						

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Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 4 2-3' (H225048-15)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	99.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	46.3-17	8						

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MIDLAND TX, 79705	
Fax To:	

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 4 3-4' (H225048-16)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/28/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	103	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124	% 46.3-17	8						

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MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 5 0-1' (H225048-17)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.96	98.0	2.00	5.86	
Toluene*	<0.050	0.050	10/31/2022	ND	2.11	106	2.00	3.93	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.06	103	2.00	2.48	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.25	104	6.00	2.68	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	10/28/2022	ND	432	108	400	3.64	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	100	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 5 1-2' (H225048-18)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.3	2.00	6.10	
Toluene*	<0.050	0.050	10/31/2022	ND	2.10	105	2.00	5.03	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.04	102	2.00	5.19	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.19	103	6.00	4.83	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/28/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	141	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	173	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 5 2-3' (H225048-19)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.3	2.00	6.10	
Toluene*	<0.050	0.050	10/31/2022	ND	2.10	105	2.00	5.03	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.04	102	2.00	5.19	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.19	103	6.00	4.83	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/28/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	90.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	% 46.3-17	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: PH 5 3-4' (H225048-20)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.3	2.00	6.10	
Toluene*	<0.050	0.050	10/31/2022	ND	2.10	105	2.00	5.03	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.04	102	2.00	5.19	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.19	103	6.00	4.83	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/28/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	98.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: BG - 1 0-.25' (H225048-21)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.3	2.00	6.10	
Toluene*	<0.050	0.050	10/31/2022	ND	2.10	105	2.00	5.03	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.04	102	2.00	5.19	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.19	103	6.00	4.83	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/28/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	128	45.3-16	1						
Surrogate: 1-Chlorooctadecane	152	46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: BG - 2 0-.25' (H225048-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.3	2.00	6.10	
Toluene*	<0.050	0.050	10/31/2022	ND	2.10	105	2.00	5.03	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.04	102	2.00	5.19	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.19	103	6.00	4.83	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/28/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	10/31/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	10/31/2022	ND					
Surrogate: 1-Chlorooctane	139	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	170	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: BG - 3 0-.25' (H225048-23)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.3	2.00	6.10	
Toluene*	<0.050	0.050	10/31/2022	ND	2.10	105	2.00	5.03	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.04	102	2.00	5.19	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.19	103	6.00	4.83	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/28/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	99.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 9	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	10/26/2022	Sampling Date:	10/26/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	NORTH CORRIDOR WPF	Sampling Condition:	Cool & Intact
Project Number:	03B1417062	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: BG - 4 0-.25' (H225048-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.3	2.00	6.10	
Toluene*	<0.050	0.050	10/31/2022	ND	2.10	105	2.00	5.03	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.04	102	2.00	5.19	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.19	103	6.00	4.83	
Total BTEX	<0.300	0.300	10/31/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/28/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	189	94.3	200	0.867	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	189	94.5	200	4.05	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	98.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Delivered Rv. (Circle One)	Relinquished By:	Sel Di	Affiliates or successors arising out of or related to the pe Relinquished By:	PLEASE NOTE: Liability and Damages. Cardinal's liability and oil analyses. All claims including those for negligence and any othor service. In no event shall Cardinal be liable for incidental or consu	DH	9 PHJ	N.C		2Hd 1	C 110 -	1	8	2 PHI	I PHI	Lab I.D. Samp	FOR LAB USE ONLY	Sampler Name: 54 cm c	Project Location: Eddy	Project Name: Morra	Project #: 038 141706	Phone #: 432-230	City: Midland	Address: 601 N. Marienfeld St. STE 400	Project Manager: Beaux	Company Name:	101 East A
0.		1	d to the performance of	Cardinal's liability and clien legligence and any other ci ble for incidental or consequence of the second seco	~	~									Sample I.D.		2.11/2	C. K	Corrido	0	4458		Id St. STE 40	Jenning.		Marland, Ho 3-2326 FAX
Observed Tamp. °C	Date: Time:	00	Date: 177	ents excitaser tembog tor any suam arang winana useo a surving every and received by Cardinal within 30 days after compli- cause whatower what be deemed wiward unless mide in wings and received by Cardinal within 30 days after compli- repental damages, including without limitation, business interruptions, loss of use, or loss of profils how of the deemed by client, ba-	1-2	0-1	3-4	2-3	2-1	X	1	2-3	2-1	0-1	Sample Depth (feet)			dim	, wipt	Project Owner:	Fax #:	State: TX	0	5	10101000	101 East Marland, Hobbs, NM 88240
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(Initials))	Se la construction de la construcción de la constru	The above stated	al within 30 days a profits incurred b	-26	*	-					_	-	10-26-22	DATE			575-390-2828	Zip:			Wade Dittrich	Oxy USA,		BILL TO	
Turnaround Time:	REMARKS:	BJennings@ensolu	Verbal Ret		nt paid by the client for the	141J	4150	1148	1146	1144	1140	1138	1136	hE11 2		SAMPLING		328					Inc.			
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Bacteria (only)			Verbal Result:													_	_		_						ANALYSIS REQ	
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C																									REQUEST	
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Page 27 of 29

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Project Manager: Address: 601 N	Beque J	Conves 5			PO #-		1		1	TIME OU TEN	NEWCEO I
					r.v. #.						
	601 N. Marienfeld St. STE 400	TE 400			Company: Ox	Oxy USA, Inc.	_				
City: Midland		State: TX	Zip:	79701	Attn: Wade Dittrich						
Phone #: 432	-230-3344	Y Fax #:			Address:						
Project #: 033/	1417062	Project Owner:	п 0	XX	City:				_	_	
Project Name: /	North Con	ide Wi	10			Zip:			0		
Project Location:	Eddy Co	Nm			*	575-390-2828	5	(.	00		
Sampler Name: 5	Shene D.	11es			Fax #:		- 1	216	45	_	
FOR LAB USE ONLY			IP.	MATRIX	PRESERV.	SAMPLING	015	302	5		
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMF	# CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER : ACID/BASE: CE / COOL OTHER :	DATE	TPH BO		Chlor, des		
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12	PH 3	3-4	0	x	ĸ		×	x	X		
13	PHY	0-1	0	ĸ	K	1206	×	X	ĸ		
4	PHY	1 - 2	0	×	X	8021	×	ĸ	×		
15	PHY	2-3	0	×	X	1210	ĸ	x	<		
16	PH4	3-4	0	×	X	1212	×	2	×		
17	PH 5	0-1	0	×	×	~	X	×	*		
81	PH 5	2-1	0	ĸ	×	1220	×	×	×		
19	PH 5	2-3	0	×	×	1 1222	x	×	×		
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analyses. All claims including tho service. In no event shall Cardina affiliates or successors arising out	 including those for negligence and any of shall Cardinal be liable for incidental or co shall Cardinal be liable for incidental or co ors arising out of or related to the negligence 	spec -variants sciency and crient's exclusive tempor for any clean arising for negligence and any other cause whatsoever shall be deemed waived to liable for incidental or consequential damages, including whot timing for related to the netwomene of encircle temporal.	leemed wi without lin	whether unless n n, busin	ort, shall be limited to the ceived by Cardinal within of use, or loss of profits it	based in contract or tort, shall be limited to the amount paid by the client for the nade in writing and received by Cardinal within 30 days after completion of the ay ess interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	the e applicable es,				
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† Cardinal cannot accept verbal changes. Please email changes to celey.keehe@cardinallabsnm.com

Page 49 of 58

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

L	75) 393-2326	(575) 393-2326 FAX (575) 393-2476	76																
Company Name:	Ensolum, LLC						BI	BILL TO					AN	ANALYSIS	SISJ		ê	REQUEST	
Project Manager:	Beaux Jena	Sburn			-	P.O.	. #			٦			_	4				_	_
Address: 601 N. M	601 N. Marienfeld St. STE 400	400			0	Com	Company:	Oxy USA, I	Inc.					_				_	
City: Midland		State: TX	Zip:	79701	-	Attn:		Wade Dittrich				_		_				_	
Phone #: 432 2	230 3344	Fax #:			-	Addr	Address:						_	_					_
Project #: 0381417.	117062	Project Owner:			0	City:					_				_			_	
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FLC-Sect point: Licenses and using and clears a subling and clears exclusive tended by the different of the amount pad by the clears for the applicable analyses. All claims including those for negligence and any other cause whatever shall be demind waived unless made in writing and received by Cardinal which 30 days filter completion of the applicable service. In no event shall Cardinal by the client, for the applicable for incidental or consequential damages, including without initiation, whatever sublines, arises of use, or loss of use of the applicable of the applicable of an advection of the applicable of an advection of the applicable of the applicable of the advection of t	and Learnages. Cardina's isolity and ding those for negligence and any oth Cardinal be liable for incidental or con sing out of or related to the performant	cient's exclusive remedy for any pricause whatsoever shall be de sequental damages, including w ce of services hereunder by Car	verned w	insing whether based in com raived unless made in writing mitation, business interruptic noardiess of whether such d	g and re ms, loss	ceived of use	all be limited to by Cardinal w , or loss of pro	seed in contract or tor, shall be limited to the amount paid de in writing and received by Cardinal within 3D days after is interruptions, loss of use, or loss of profits incurred by her such claim is based upon any of the above stated rea	by the client for t completion of the lent, its subsidiarie	he applical es,	ble								
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

ENSOLUM

ATTACHMENT F

C-141

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

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State of New Mexico Energy Minerals and Natural **Resources Department**

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2227954604
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID: 16696	
Contact Telephone: 575-390-2828	
Incident # nAPP2227954604	
	Contact Telephone: 575-390-2828

Location of Release Source

Latitude 32.246737

Longitude -103.786239 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: North Corridor WPF	Site Type: Water Transfer Pump	
Date Release Discovered: 10/04/2022	API# (if applicable)	-

Unit Letter	Section	Township	Range	County
E	4	24S	31E	Eddy

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

] Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
Produced Water	Volume Released (bbls):165	Volume Recovered (bbls): 160
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	ch nipple internal corrosion.	

n C-141 State of New Mexico Oil Conservation Division Yas this a major elease as defined by 9.15.29.7(A) NMAC? If YES, for what reason(s) does the responsible Release is greater than 25 barrels. Yes No Yes No Yes, was immediate notice given to the OCD? By whom? To whom? Yes, by Wade Dittrich of Oxy via email to OCD.enviro@emnrd.nm.gov a Initial Response The responsible party must undertake the following actions immediately unlet The source of the release has been stopped.	When and by nd <u>BLM_NM</u>	what means (phon	ase? ne, email, etc)?
elease as defined by Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels. Image: Selease is greater than 25 barrels. Release is greater than 25 barrels.	When and by nd <u>BLM_NM</u>	Application II or this a major relea what means (phon	ase? ne, email, etc)?
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res, by Wade Dittrich of Oxy via email to <u>OCD.enviro@emnrd.nm.gov</u> a Initial Respo The responsible party must undertake the following actions immediately unles	nd <u>BLM_NM</u>		
The responsible party must undertake the following actions immediately unles			
	s they could creat		
The source of the release has been stopped.		te a safety hazard that v	would result in injury
The impacted area has been secured to protect human health and the e	nvironment.		
Released materials have been contained via the use of berms or dikes,		s, or other contain	ment devices.
All free liquids and recoverable materials have been removed and mai			
f all the actions described above have <u>not</u> been undertaken, explain why:			
er 19.15.29.8 B. (4) NMAC the responsible party may commence remed as begun, please attach a narrative of actions to date. If remedial effort ithin a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please hereby certify that the information given above is true and complete to the best o segulations all operators are required to report and/or file certain release notification	s have been su attach all info f my knowledge ons and perform oes not relieve t groundwater, sur	uccessfully comple ormation needed for e and understand that corrective actions fo the operator of liabili rface water, human h	eted or if the release occ or closure evaluation. t pursuant to OCD rules and or releases which may endar ity should their operations h health or the environment. I
ublic health or the environment. The acceptance of a C-141 report by the OCD d hiled to adequately investigate and remediate contamination that pose a threat to g ddition, OCD acceptance of a C-141 report does not relieve the operator of respon- nd/or regulations.			
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ailed to adequately investigate and remediate contamination that pose a threat to g ddition, OCD acceptance of a C-141 report does not relieve the operator of respon- nd/or regulations. Titted Name: <u>Wade Dittrich</u> ignature: <u>Wade Dittrich</u> Da	le: <u>Environme</u> .te: <u>12-7</u>	29-22	
ailed to adequately investigate and remediate contamination that pose a threat to ged dition, OCD acceptance of a C-141 report does not relieve the operator of respond/or regulations. rinted Name: Wade Dittrich rinted Name: Wade Dittrich ignature: Date Dittrich mail: wade_dittrich@oxy.com To DCD Only	le: <u>Environme</u> .te: <u>12-7</u>	<u>-9-22</u> <u>-390-2828</u>	

Release

Form C-141

State of New Mexico Oil Conservation Division

Incident ID	nAPP2227954604
District RP	and the state of the
Facility ID	
Application ID	

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Site Assessment/Characterization

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?	<u>N/A</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	TYes No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
 Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation lan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141 age 4	State of New Mexico		Incident ID	nAPP2227954604
age 4	Oil Conservation Division	on	District RP	IIAI I 2227934004
			Facility ID	
			Application ID	
addition, OCD acceptance and/or regulations. Printed Name: <u>Wade D</u> Signature: <u></u> email: <u>wade_dittrich@c</u>	elin		nental Specialist	federal, state, or local laws
OCD Only				
OCD Only				

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85 Jo Form C-141 Bage 5

State of New Mexico Oil Conservation Division

Incident ID	nAPP2227954604
District RP	
Facility ID	
Application ID	

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Remediation Plan

Remediation Plan Checklist: Each of the following items must	be included in the plan.
 Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation po Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29 Proposed schedule for remediation (note if remediation plan to the second schedule for remediation (note if remediation plan to the second schedule for remediation (note if remediation plan to the second schedule for remediation (note if remediation plan to the second schedule for remediation (note if remediation plan to the second schedule for remediation (note if remediation plan to the second schedule for the second schedule for	9.12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be c	onfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around deconstruction.	production equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human hea	lth, the environment, or groundwater.
rules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accept	lete to the best of my knowledge and understand that pursuant to OCD e certain release notifications and perform corrective actions for releases stance of a C-141 report by the OCD does not relieve the operator of ate and remediate contamination that pose a threat to groundwater, D acceptance of a C-141 report does not relieve the operator of 1 laws and/or regulations. Title: <u>Environmental Specialist</u> Date: $\sqrt{2-24-22}$
email: wade_dittrich@oxy.com	Telephone: <u>575-390-2828</u>
OCD Only	
Received by: Jocelyn Harimon	Date: <u>12/30/2022</u>
Approved Approved with Attached Conditions of	of Approval Denied Deferral Approved
Signature:	Date:

Sec Jo Sec Form C-141 Sec Sec S

State of New Mexico Oil Conservation Division

Incident ID	nAPP2227954604
District RP	
Facility ID	
Application ID	

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.
Detailed description of proposed remediation technique	
Scaled sitemap with GPS coordinates showing delineation points	
Estimated volume of material to be remediated	
Closure criteria is to Table 1 specifications subject to 19.15.29.1	2(C)(4) NMAC
Proposed schedule for remediation (note if remediation plan time	line is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be conj	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	duction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD ar responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of
Printed Name: Wade Dittrich	Title: Environmental Specialist
Signature: Martenan	Date: 12-24-22
email: wade_dittrich@oxy.com	Telephone: <u>575-390-2828</u>
OCD Only	
Received by: Jocelyn Harimon	Date: <u>12/30/2022</u>
Approved X Approved with Attached Conditions of A	pproval Denied Deferral Approved
Signature: Robert Hamlet	Date: 4/5/2023

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

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

District III

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

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

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

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CONDITIONS

Action 171248

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	171248
	Action Type:
	[C-141] Release Corrective Action (C-141)
	·

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The variance for 600 ft2 confirmation composite soil samples is denied. Confirmation samples should be collected every 200 ft2. With respect to the borehole, if water is not visible after reaching bottom-hole and waiting 72 hours, the OCD will accept this as evidence. We would just need a copy of the driller's log. The work will need to occur in 90 days after the work plan has been approved.	4/5/2023