

**Raybaw Operating, LLC.
2626 Cole Ave., Suite 300
Dallas, TX 75204
214-800-2301**

January 12, 2024

NMOCD District 1
1625 N French Dr.
Hobbs, NM, 88240

**RE: Closure Report
Malachite 22 Federal #002H
API No. 30-025-40389
GPS: Latitude 32.6520462 Longitude -103.6548004
UL "C", Section 22, Township 19S, Range 33E,
Lea County, NM
NMOCD Reference No. NTO1432553976**

Raybaw Operating, LLC (Raybaw) has contracted Pima Environmental Services, LLC (Pima) to prepare this closure report for the incident mentioned above. An initial C-141 was submitted on November 20, 2014. A final C-141 closure page is included in Appendix A. This incident was assigned Incident ID NTO1432553976, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

Site information and characterization documents can be found in the previously Denied Closure Report located in OCD Online: Permitting – Action Status, under the Application ID: 10819.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Release Information

NTO1432553976: On November 20, 2014, a shaker motor that had quit working allowed a fluid increase to the shaker slide which couldn't accommodate all the drilling fluid causing a 13' X 26', 7-barrel (bbl) spill to be released onto the ground. Also, the discharge line coming off the shakers was compacted off not allowing fluid to pass through to the half round catch bin. Shoveled into half round tank. Area was approximately 338 sq. ft., used shovels for cleanup. Recovered approximately 6 bbls.

Delineation Activities

The conditionally approved remediation plan can be found in OCD Online: Permitting – Action Status, under the Application ID: 283266. The conditions can be found in the Incident Event log. A Horizontal Delineation Map can be found in Figure 1.

On November 27, 2023, a 48-Hour notification (Appendix A) for sampling was submitted via email to multiple parties at the NMOCD.

On November 29, 2023, Pima personnel mobilized to the site to collect and field test the approved 7 additional 5-point composite samples from each sample location. Two of the sample points we recollected from a further distance, the sample points and GPS coordinates are as follows:

SW3 – Latitude 32.652166, Longitude -103.654893
SW3-A – Latitude 32.652129, Longitude -103.654882
SW4-A – Latitude 32.652055, Longitude -103.654945

SW4 – Latitude 32.651998, Longitude -103.655030
SW4B – Latitude 32.651944, Longitude -103.655066
SW5 – Latitude 32.651923, Longitude -103.654989
SW5A – Latitude 32.651907, Longitude -103.654897

The results of this sampling event can be found in the Data Table included in Figure 2. Each sample was promptly jarred and put on ice, then prepared for delivery to an NMOC approved laboratory. Photographic Documentation of this event can be found in Figure 3. Complete Laboratory Reports can be found in Appendix B.

Approval Request

Pima requests that this Closure Report for incident ID# NTO1432553976 be approved.

Should you have any questions or need additional information, please feel free to contact:

Pima Environmental – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Raybaw Operating – Nancy Winn at 281-793-5452 or nwinn@sbcglobal.net.

Attachments

Figures:

- 1- Horizontal Delineation Map
- 2- Data Table – 11/29/23
- 3- Photographic Documentation

Appendices:

Appendix A – C-141 Closure Page & 48-Hour Notification

Appendix B – Laboratory Reports



Pima Environmental Services

Figures:

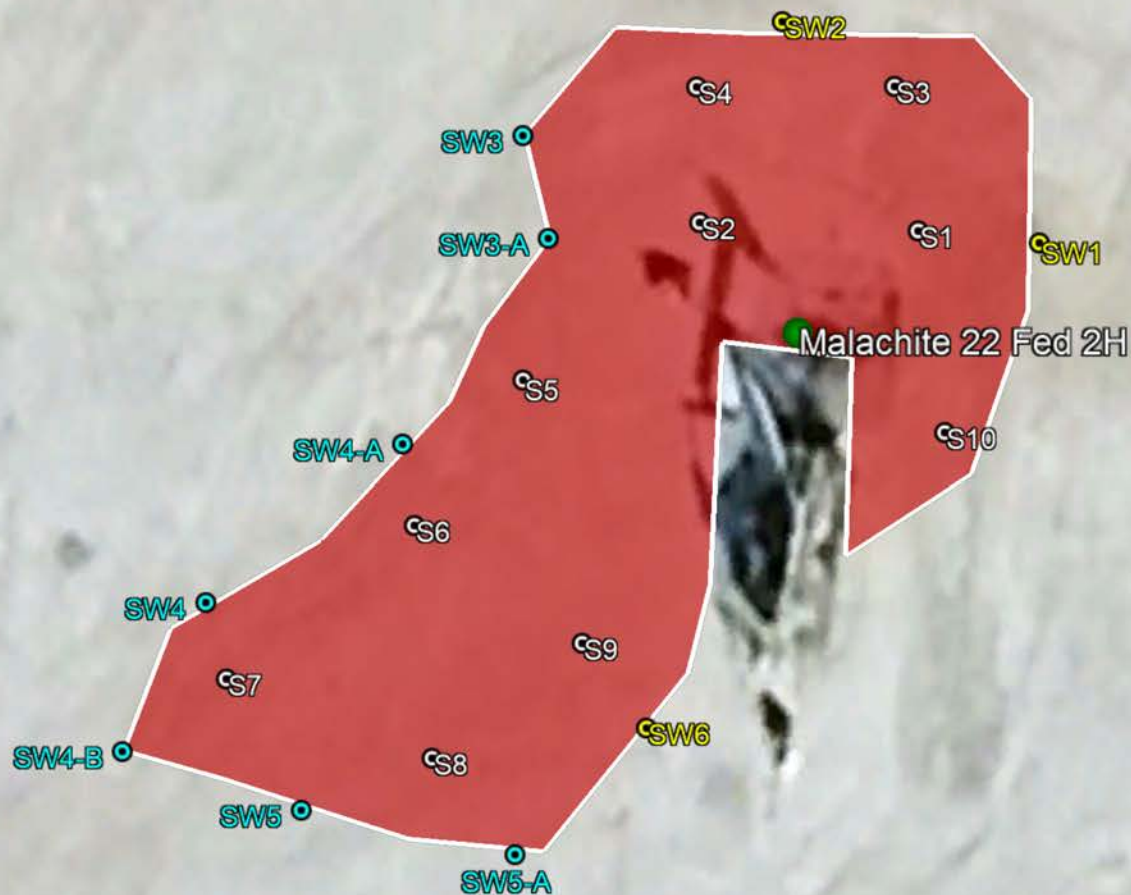
- 1 - Horizontal Delineation Map
- 2 - Data Table-11/29/23
- 3 - Photographic Documentation

Malachite 22 Fed 2H

Raybaw Operating
API #30-025-40389
Lea County, NM
Horizontal Delineation Map

Legend

- Base Samples
- New Samples for Horizontal Delineation
- Original Samples for Horizontal Delineation
- Spill Area - 2 Spills



32.651804, -103.655099

Google Earth



90 ft

Raybaw Operating - Malachite 22 Fed 2H								
Date: 11-29-23		NM Approved Laboratory Results						
Sample ID	Dates	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
SW3-Comp	11/29/2023	ND	ND	ND	ND	ND	ND	80.7
SW3- A- Comp	11/29/2023	ND	ND	ND	ND	ND	ND	ND
SW4-A-Comp	11/29/2023	ND	ND	ND	ND	ND	ND	ND
SW4- Comp	11/29/2023	ND	ND	ND	ND	ND	ND	ND
SW4-B-Comp	11/29/2023	ND	ND	ND	ND	ND	ND	57.6
SW5- Comp	11/29/2023	ND	ND	ND	ND	ND	ND	37.9
SW5-A-Comp	11/29/2023	ND	ND	ND	ND	ND	ND	ND







32.652166, -103.654893
Raybaw Operating
Malahite 22 Fed 2H
Horizontal Delineation
SW3







Pima Environmental Services

Appendix A

C-141 Closure Page

48-Hour Notification

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NT01432553976
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Nancy J. WinnTitle: Geoscience AnalystSignature: Date: 1/15/2024email: nwinn@sbcglobal.netTelephone: 281-793-5452**OCD Only**

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____



Tom Pima Oil <tom@pimaoil.com>

48-Hour Sampling Notification_NTO1432553976 & NJXK1523052658

1 message

Tom Pima Oil <tom@pimaoil.com>

Mon, Nov 27, 2023 at 1:48 PM

To: "Enviro, OCD, EMNRD" <ocd.enviro@emnrd.nm.gov>, "Maxwell, Ashley, EMNRD" <ashley.maxwell@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>
Cc: Gio PimaOil <gio@pimaoil.com>, Nancy Winn <nwinn@sbcglobal.net>, Tom Campbell <tom@oaknrg.com>, Drew Clements <daclem@charter.net>, Jeff Stevenson <Jeff@oaknrg.com>, Irma Rodriquez <Irma@oaknrg.com>

Good afternoon,

Pima Environmental would like to notify you that we will begin collecting confirmation samples for the purpose of completing horizontal delineation at the **Malachite 22 Fed 2H for two incidents, NJXK1523052658 and NTO1432553976**. Pima personnel are scheduled to be on site for this sampling event at approximately 4:30 p.m. on Wednesday, November 29, 2023. If you have any questions or concerns, please let me know.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

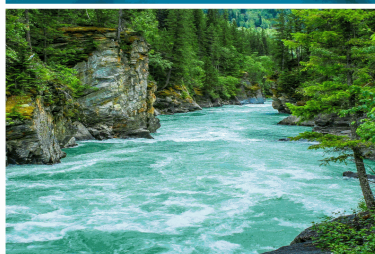


Pima Environmental Services

Appendix B

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Malachite 22 Fed 2H

Work Order: E311245

Job Number: 21064-0001

Received: 12/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/8/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/8/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Malachite 22 Fed 2H
Workorder: E311245
Date Received: 12/1/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/1/2023 7:30:00AM, under the Project Name: Malachite 22 Fed 2H.

The analytical test results summarized in this report with the Project Name: Malachite 22 Fed 2H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

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ljjarboe@envirotech-inc.com

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW3 Comp	5
SW3 -A- Comp	6
SW4-A- Comp	7
SW4 Comp	8
SW4-B- Comp	9
SW5- Comp	10
SW5-A-Comp	11
QC Summary Data	12
QC - Volatile Organic Compounds by EPA 8260B	12
QC - Nonhalogenated Organics by EPA 8015D - GRO	13
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	14
QC - Anions by EPA 300.0/9056A	15
Definitions and Notes	16
Chain of Custody etc.	17

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/08/23 09:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW3 Comp	E311245-01A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
SW3 -A- Comp	E311245-02A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
SW4-A- Comp	E311245-03A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
SW4 Comp	E311245-04A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
SW4-B- Comp	E311245-05A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
SW5- Comp	E311245-06A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
SW5-A-Comp	E311245-07A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/8/2023 9:22:25AM

SW3 Comp

E311245-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Benzene	ND	0.0250	1	12/01/23	12/01/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/01/23	
Toluene	ND	0.0250	1	12/01/23	12/01/23	
o-Xylene	ND	0.0250	1	12/01/23	12/01/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/01/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		108 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		118 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		108 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349062
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		79.6 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2349040
Chloride	80.7	20.0	1	12/05/23	12/06/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Malachite 22 Fed 2H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
12/8/2023 9:22:25AM

SW3 -A- Comp

E311245-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Benzene	ND	0.0250	1	12/01/23	12/01/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/01/23	
Toluene	ND	0.0250	1	12/01/23	12/01/23	
o-Xylene	ND	0.0250	1	12/01/23	12/01/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/01/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		116 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349062
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		77.7 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2349040
Chloride	ND	20.0	1	12/05/23	12/06/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Malachite 22 Fed 2H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
12/8/2023 9:22:25AM

SW4-A- Comp

E311245-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Benzene	ND	0.0250	1	12/01/23	12/01/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/01/23	
Toluene	ND	0.0250	1	12/01/23	12/01/23	
o-Xylene	ND	0.0250	1	12/01/23	12/01/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/01/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		114 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		114 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349062
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		75.0 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2349040
Chloride	ND	20.0	1	12/05/23	12/06/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Malachite 22 Fed 2H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
12/8/2023 9:22:25AM

SW4 Comp

E311245-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Benzene	ND	0.0250	1	12/01/23	12/01/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/01/23	
Toluene	ND	0.0250	1	12/01/23	12/01/23	
o-Xylene	ND	0.0250	1	12/01/23	12/01/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/01/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		108 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		108 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349062
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		78.8 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2349040
Chloride	ND	20.0	1	12/05/23	12/06/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	Reported: 12/8/2023 9:22:25AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW4-B- Comp
E311245-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Benzene	ND	0.0250	1	12/01/23	12/01/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/01/23	
Toluene	ND	0.0250	1	12/01/23	12/01/23	
o-Xylene	ND	0.0250	1	12/01/23	12/01/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/01/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349062
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		77.4 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2349040
Chloride	57.6	20.0	1	12/05/23	12/06/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Malachite 22 Fed 2H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
12/8/2023 9:22:25AM

SW5- Comp

E311245-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Benzene	ND	0.0250	1	12/01/23	12/01/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/01/23	
Toluene	ND	0.0250	1	12/01/23	12/01/23	
o-Xylene	ND	0.0250	1	12/01/23	12/01/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/01/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2348093
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		109 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349062
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		79.1 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2349040
Chloride	37.9	20.0	1	12/05/23	12/06/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	Reported: 12/8/2023 9:22:25AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

SW5-A-Comp
E311245-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2348093	
Benzene	ND	0.0250	1	12/01/23	12/01/23	
Ethylbenzene	ND	0.0250	1	12/01/23	12/01/23	
Toluene	ND	0.0250	1	12/01/23	12/01/23	
o-Xylene	ND	0.0250	1	12/01/23	12/01/23	
p,m-Xylene	ND	0.0500	1	12/01/23	12/01/23	
Total Xylenes	ND	0.0250	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		103 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2348093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/23	12/01/23	
Surrogate: Bromofluorobenzene		117 %	70-130	12/01/23	12/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	12/01/23	12/01/23	
Surrogate: Toluene-d8		103 %	70-130	12/01/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2349062	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/06/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/06/23	12/06/23	
Surrogate: n-Nonane		77.5 %	50-200	12/06/23	12/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2349040	
Chloride	ND	20.0	1	12/05/23	12/06/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	Reported: 12/8/2023 9:22:25AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2348093-BLK1) Prepared: 12/01/23 Analyzed: 12/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.579		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS (2348093-BS1) Prepared: 12/01/23 Analyzed: 12/01/23

Benzene	3.00	0.0250	2.50		120	70-130			
Ethylbenzene	2.87	0.0250	2.50		115	70-130			
Toluene	2.82	0.0250	2.50		113	70-130			
o-Xylene	2.80	0.0250	2.50		112	70-130			
p,m-Xylene	5.68	0.0500	5.00		114	70-130			
Total Xylenes	8.48	0.0250	7.50		113	70-130			
Surrogate: Bromofluorobenzene	0.606		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

Matrix Spike (2348093-MS1) Source: E311239-07 Prepared: 12/01/23 Analyzed: 12/01/23

Benzene	3.02	0.0250	2.50	ND	121	48-131			
Ethylbenzene	2.90	0.0250	2.50	ND	116	45-135			
Toluene	2.86	0.0250	2.50	ND	115	48-130			
o-Xylene	2.84	0.0250	2.50	ND	113	43-135			
p,m-Xylene	5.75	0.0500	5.00	ND	115	43-135			
Total Xylenes	8.58	0.0250	7.50	ND	114	43-135			
Surrogate: Bromofluorobenzene	0.599		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

Matrix Spike Dup (2348093-MSD1) Source: E311239-07 Prepared: 12/01/23 Analyzed: 12/01/23

Benzene	3.05	0.0250	2.50	ND	122	48-131	0.889	23	
Ethylbenzene	2.94	0.0250	2.50	ND	118	45-135	1.33	27	
Toluene	2.89	0.0250	2.50	ND	116	48-130	0.956	24	
o-Xylene	2.87	0.0250	2.50	ND	115	43-135	1.30	27	
p,m-Xylene	5.74	0.0500	5.00	ND	115	43-135	0.0609	27	
Total Xylenes	8.62	0.0250	7.50	ND	115	43-135	0.390	27	
Surrogate: Bromofluorobenzene	0.612		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	Reported: 12/8/2023 9:22:25AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2348093-BLK1) Prepared: 12/01/23 Analyzed: 12/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.579		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS (2348093-BS2) Prepared: 12/01/23 Analyzed: 12/01/23

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike (2348093-MS2) Source: E311239-07 Prepared: 12/01/23 Analyzed: 12/01/23

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.605		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			

Matrix Spike Dup (2348093-MSD2) Source: E311239-07 Prepared: 12/01/23 Analyzed: 12/01/23

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	0.738	20	
Surrogate: Bromofluorobenzene	0.610		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	Reported: 12/8/2023 9:22:25AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2349062-BLK1)					Prepared: 12/06/23 Analyzed: 12/06/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	39.0		50.0		78.1	50-200			

LCS (2349062-BS1)					Prepared: 12/06/23 Analyzed: 12/06/23				
Diesel Range Organics (C10-C28)	215	25.0	250		85.9	38-132			
Surrogate: n-Nonane	39.8		50.0		79.7	50-200			

Matrix Spike (2349062-MS1)					Source: E311245-05		Prepared: 12/06/23 Analyzed: 12/06/23		
Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.5	38-132			
Surrogate: n-Nonane	40.8		50.0		81.5	50-200			

Matrix Spike Dup (2349062-MSD1)					Source: E311245-05		Prepared: 12/06/23 Analyzed: 12/06/23		
Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.7	38-132	0.986	20	
Surrogate: n-Nonane	40.0		50.0		80.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/8/2023 9:22:25AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2349040-BLK1)					Prepared: 12/05/23 Analyzed: 12/06/23				
Chloride	ND	20.0							
LCS (2349040-BS1)					Prepared: 12/05/23 Analyzed: 12/06/23				
Chloride	244	20.0	250		97.7	90-110			
Matrix Spike (2349040-MS1)					Source: E311245-06		Prepared: 12/05/23 Analyzed: 12/06/23		
Chloride	278	20.0	250	37.9	96.1	80-120			
Matrix Spike Dup (2349040-MSD1)					Source: E311245-06		Prepared: 12/05/23 Analyzed: 12/06/23		
Chloride	285	20.0	250	37.9	98.8	80-120	2.43	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Malachite 22 Fed 2H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/08/23 09:22

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page 17 of 18

Envirotech Analytical Laboratory

Printed: 12/1/2023 9:53:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	12/01/23 07:30	Work Order ID:	E311245
Phone:	(575) 631-6977	Date Logged In:	11/30/23 15:17	Logged In By:	Jordan Montano
Email:	tom@pimaoil.com	Due Date:	12/07/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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

QUESTIONS

Action 314404

QUESTIONS

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:	330220
	Action Number:	314404
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nTO1432553976
Incident Name	NTO1432553976 MALACHITE 22 FED 2H @ 30-025-40389
Incident Type	Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-40389] MALACHITE 22 FEDERAL #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MALACHITE 22 FED 2H
Date Release Discovered	11/21/2014
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Motor Drilling Mud/Fluid Released: 7 BBL Recovered: 6 BBL Lost: 1 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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District IV

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

QUESTIONS, Page 2

Action 314404

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:
	330220
	Action Number:
	314404
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Michael Lee Title: COO Email: michael@raybawoperating.com Date: 02/14/2024
--	---

District I

1625 N. French Dr., Hobbs, NM 88240
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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

QUESTIONS, Page 3

Action 314404

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:	330220
	Action Number:	314404
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	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 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
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.	
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)	1550
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	259
GRO+DRO	(EPA SW-846 Method 8015M)	46
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	09/29/2020
On what date will (or did) the final sampling or liner inspection occur	11/29/2023
On what date will (or was) the remediation complete(d)	10/14/2020
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	60

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 314404

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 314404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	LEA LAND LANDFILL [fEEM0112342028]
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: Michael Lee Title: COO Email: michael@raybawoperating.com Date: 02/14/2024
<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 314404

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 314404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 314404

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID:	330220
	Action Number:	314404
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	304524
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/29/2023
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	1100

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1600
What was the total volume (cubic yards) remediated	60
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Recollected confirmation samples for horizontal delineation per NMOCD's previous denial of closure.

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

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

I hereby agree and sign off to the above statement	Name: Michael Lee Title: COO Email: michael@raybawoperating.com Date: 02/14/2024
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QUESTIONS, Page 7

Action 314404

QUESTIONS (continued)

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 314404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 314404

CONDITIONS

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 314404
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/15/2024