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. NJXK1523052658

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 August 17, 2015. A C-141 closure page is included in Appendix A. This incident was assigned Incident ID NJXK1523052658, 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: 280818.

	Table 1	L NMAC and Closure Cri	teria 19.15.29		
Depth to Groundwater		Cor	stituent & Limits		
(Appendix A)	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

NJXK1523052658: On August 15, 2015, a lease operator drove up to the Malachite 22 Fed 2H and noticed that the 1" valve was open and that produced water and oil was coming out of the 3/8" stainless steel tube that is used to collect samples. Lease operator shut the valve to stop leak. There was 5 barrels (bbls) produced water and oil spilled and 1-1/2 bbls recovered by Standard Trucking. Lease operator removed the handle off the valve and installed a plug in the 1" valve to prevent further leaks.

Delineation Activities

The conditionally approved remediation plan can be found in OCD Online: Permitting – Action Status, under the Application ID: 283263. 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 NMOCD-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# NJXK1523052658 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



Figures:

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

	R	aybaw O _l	perating - N	/lalachite	22 Fed 2H			
Date: 11-29-23			N	M Approv	ed Labora	tory Res	ults	
Sample ID	Dates	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample 1D	Dates	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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





















Appendix A

C-141 Closure Page

48-Hour Notification

Form C-141 Page 6 State of New Mexico
Oil Conservation Division

Incident ID	NJXK1523052658
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 item	is must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 N	NMAC
Photographs of the remediated site prior to backfill or photos of must be notified 2 days prior to liner inspection)	the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC D	istrict office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain remay endanger public health or the environment. The acceptance of a C should their operations have failed to adequately investigate and remed human health or the environment. In addition, OCD acceptance of a C compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditaccordance with 19.15.29.13 NMAC including notification to the OCD Printed Name: Nancy J. Winn Signature:	C-141 report by the OCD does not relieve the operator of liability diate contamination that pose a threat to groundwater, surface water, 1-141 report does not relieve the operator of responsibility for ns. The responsible party acknowledges they must substantially tions that existed prior to the release or their final land use in 0 when reclamation and re-vegetation are complete.
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of remediate contamination that poses a threat to groundwater, surface war party of compliance with any other federal, state, or local laws and/or state.	liability should their operations have failed to adequately investigate and ter, human health, or the environment nor does not relieve the responsible 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



Appendix B

Laboratory Reports

Report to:
Tom Bynum







5796 U.S. Hwy 64 Farmington, NM 87401

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





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

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 reguarding 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

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Client Sample ID	Lab Sample ID Matri	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.



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

	20112.001				
D. I	Reporting		· · · · · · · · · · · · · · · · · · ·		N
Result	Limit	Dilu	tion Prepa	red Analyzed	Notes
mg/kg	mg/kg	1	Analyst: RKS		Batch: 2348093
ND	0.0250	1	12/01	/23 12/01/23	
ND	0.0250	1	12/01	/23 12/01/23	
ND	0.0250	1	12/01	/23 12/01/23	
ND	0.0250	1	12/01	/23 12/01/23	
ND	0.0500	1	12/01	/23 12/01/23	
ND	0.0250	1	12/01	/23 12/01/23	
	118 %	70-130	12/01/	/23 12/01/23	
	93.1 %	70-130	12/01/	/23 12/01/23	
	108 %	70-130	12/01/	/23 12/01/23	
mg/kg	mg/kg	1	Analyst: RKS		Batch: 2348093
ND	20.0	1	12/01	/23 12/01/23	
	118 %	70-130	12/01/	/23 12/01/23	
	93.1 %	70-130	12/01/	/23 12/01/23	
	108 %	70-130	12/01/	/23 12/01/23	
mg/kg	mg/kg	1	Analyst: JL		Batch: 2349062
ND	25.0	1	12/06	/23 12/06/23	_
ND	50.0	1	12/06	/23 12/06/23	
	79.6 %	50-200	12/06	/23 12/06/23	
mg/kg	mg/kg	1	Analyst: DT		Batch: 2349040
80.7	20.0	1	12/05	/23 12/06/23	
	ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I18 % 93.1 % 108 % 108 % MD 20.0 I18 % 93.1 % 108 % 108 % mg/kg mg/kg ND 25.0 ND 50.0 79.6 % mg/kg mg/kg mg/kg	Result Limit Dilute mg/kg mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 118 % 70-130 93.1 % 70-130 108 % 70-130 93.1 % 70-130 108 % 70-130 108 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1 79.6 % 50-200 mg/kg mg/kg	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/01 ND 0.0250 1 12/01 ND 0.0250 1 12/01 ND 0.0250 1 12/01 ND 0.0500 1 12/01 ND 0.0250 1 12/01 93.1 % 70-130 12/01 93.1 % 70-130 12/01 108 % 70-130 12/01 93.1 % 70-130 12/01 93.1 % 70-130 12/01 108 % 70-130 12/01 108 % 70-130 12/01 108 % 70-130 12/01 108 % 70-130 12/01 ND 25.0 1 12/01 ND 25.0 1 12/06 ND 50.0 1 12/06 79.6 % 50-200 12/06 <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS Analyzed ND 0.0250 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 ND 0.0500 1 12/01/23 12/01/23 ND 0.0500 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 118 % 70-130 12/01/23 12/01/23 101/23 101/23 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23 118 % 70-130 12/01/23 12/01/23 118 % 70-130 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS Analyzed ND 0.0250 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 ND 0.0500 1 12/01/23 12/01/23 ND 0.0500 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 118 % 70-130 12/01/23 12/01/23 101/23 101/23 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23 118 % 70-130 12/01/23 12/01/23 118 % 70-130 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23



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 -A- Comp

E3	11	24	5_	ഹ

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	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:	Л		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
11110113 by E111 500:0/203011							

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

SW4-A- Comp

Reporting Analyte Result Limit Dilution Prepared Analyzed Notes											
Result	Limit	Dil	lution	Prepared	Analyzed	Notes					
mg/kg	mg/kg		Analyst: RKS			Batch: 2348093					
ND	0.0250		1	12/01/23	12/01/23						
ND	0.0250		1	12/01/23	12/01/23						
ND	0.0250		1	12/01/23	12/01/23						
ND	0.0250		1	12/01/23	12/01/23						
ND	0.0500		1	12/01/23	12/01/23						
ND	0.0250		1	12/01/23	12/01/23						
	114 %	70-130		12/01/23	12/01/23						
	95.4 %	70-130		12/01/23	12/01/23						
	109 %	70-130		12/01/23	12/01/23						
mg/kg	mg/kg		Analyst:	RKS		Batch: 2348093					
ND	20.0		1	12/01/23	12/01/23						
	114 %	70-130		12/01/23	12/01/23						
	95.4 %	70-130		12/01/23	12/01/23						
	109 %	70-130		12/01/23	12/01/23						
mg/kg	mg/kg		Analyst:	JL		Batch: 2349062					
ND	25.0		1	12/06/23	12/06/23						
ND	50.0		1	12/06/23	12/06/23						
	75.0 %	50-200		12/06/23	12/06/23						
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 114 % 95.4 % 109 % mg/kg mg/kg ND 20.0 114 % 95.4 % 109 % 109 % mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 II4 % 70-130 95.4 % 70-130 109 % 70-130 mg/kg mg/kg ND 20.0 114 % 70-130 95.4 % 70-130 109 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 114 % 70-130 95.4 % 70-130 109 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 114 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1	mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/01/23 ND 0.0250 1 12/01/23 ND 0.0250 1 12/01/23 ND 0.0250 1 12/01/23 ND 0.0500 1 12/01/23 ND 0.0250 1 12/01/23 95.4 % 70-130 12/01/23 109 % 70-130 12/01/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/01/23 95.4 % 70-130 12/01/23 95.4 % 70-130 12/01/23 109 % 70-130 12/01/23 109 % 70-130 12/01/23 109 % 70-130 12/01/23 109 % 70-130 12/01/23 109 % 70-130 12/01/23 ND 50.0 1 12/01/23 ND 50.0 1 12/06/23 ND 50.0	mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/01/23 12/01/23 ND 0.0500 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 114% 70-130 12/01/23 12/01/23 109% 70-130 12/01/23 12/01/23 114% 70-130 12/01/23 12/01/23 114% 70-130 12/01/23 12/01/23 114% 70-130 12/01/23 12/01/23 95.4% 70-130 12/01/23 12/01/23 109% 70-130 12/01/23 12/01/23 109% 70-130 12/01/23 12/01/23 109% 70-130 12/01/23 12/01/23 109% 70-130 12/01/23 <t< td=""></t<>					

mg/kg

20.0

mg/kg

ND

Analyst: DT

12/05/23

12/06/23

Batch: 2349040

Anions by EPA 300.0/9056A

Chloride

Pima Environmental Services-CarlsbadProject Name:Malachite 22 Fed 2HPO Box 247Project Number:21064-0001Reported:Plains TX, 79355-0247Project Manager:Tom Bynum12/8/20239:22:25AM

SW4 Comp E311245-04

Result	Reporting	Dilu	ution	Prepared	Analyzed	Notes
					7 Hary Zea	
			Analyst:			Batch: 2348093
ND	0.0250	1	1	12/01/23	12/01/23	
ND	0.0250	1	1	12/01/23	12/01/23	
ND	0.0250	1	1	12/01/23	12/01/23	
ND	0.0250	1	l	12/01/23	12/01/23	
ND	0.0500	1	1	12/01/23	12/01/23	
ND	0.0250	1	1	12/01/23	12/01/23	
	119 %	70-130		12/01/23	12/01/23	
	92.6 %	70-130		12/01/23	12/01/23	
	108 %	70-130		12/01/23	12/01/23	
mg/kg	mg/kg		Analyst:	RKS		Batch: 2348093
ND	20.0	1	1	12/01/23	12/01/23	
	119 %	70-130		12/01/23	12/01/23	
	92.6 %	70-130		12/01/23	12/01/23	
	108 %	70-130		12/01/23	12/01/23	
mg/kg	mg/kg		Analyst:	JL		Batch: 2349062
ND	25.0	1	1	12/06/23	12/06/23	
ND	50.0	1	1	12/06/23	12/06/23	
	78.8 %	50-200		12/06/23	12/06/23	
mg/kg	mg/kg		Analyst:	DT		Batch: 2349040
ND	20.0	1	1	12/05/23	12/06/23	
	MD ND ND ND Mg/kg ND mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I19 % 92.6 % 108 % mg/kg ND 20.0 119 % 92.6 % 108 % mg/kg ND 25.0 ND 50.0 78.8 % mg/kg mg/kg mg/kg	Result Limit Dilk mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 II9 % 70-130 92.6 % 70-130 108 % 70-130 mg/kg mg/kg ND 20.0 119 % 70-130 92.6 % 70-130 108 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 78.8 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0500 1 ND 0.0250 1 119 % 70-130 92.6 % 70-130 108 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 119 % 70-130 1 92.6 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 78.8 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/01/23 ND 0.0250 1 12/01/23 ND 0.0250 1 12/01/23 ND 0.0500 1 12/01/23 ND 0.0250 1 12/01/23 ND 0.0250 1 12/01/23 ND 70-130 12/01/23 92.6 % 70-130 12/01/23 108 % 70-130 12/01/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/01/23 119 % 70-130 12/01/23 92.6 % 70-130 12/01/23 92.6 % 70-130 12/01/23 108 % 70-130 12/01/23 mg/kg mg/kg Analyst: JL ND 25.0 1 12/06/23 ND 50.0 1 12/06/23 ND	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/01/23 12/01/23 ND 0.0500 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 ND 0.0250 1 12/01/23 12/01/23 119 % 70-130 12/01/23 12/01/23 92.6 % 70-130 12/01/23 12/01/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23 92.6 % 70-130 12/01/23 12/01/23 108 % 70-130 12/01/23 12/01/23 108 % 70-1



Pima Environmental Services-CarlsbadProject Name:Malachite 22 Fed 2HPO Box 247Project Number:21064-0001Reported:Plains TX, 79355-0247Project Manager:Tom Bynum12/8/20239:22:25AM

SW4-B- Comp

		E311245-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	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

20.0

1

12/05/23

12/06/23

57.6



Chloride

Pima Environmental Services-CarlsbadProject Name:Malachite 22 Fed 2HPO Box 247Project Number:21064-0001Reported:Plains TX, 79355-0247Project Manager:Tom Bynum12/8/2023 9:22:25AM

SW5- Comp E311245-06

		Reporting					
Analyte	Result	Limit	Dilı	ution	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:	ЛL		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	



Pima Environmental Services-CarlsbadProject Name:Malachite 22 Fed 2HPO Box 247Project Number:21064-0001Reported:Plains TX, 79355-0247Project Manager:Tom Bynum12/8/20239:22:25AM

SW5-A-Comp E311245-07

		1011243-07				
Analyte	Result	Reporting Limit	Dilut	tion Prepared	Analyzed	Notes
Allaryte				1	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: DT		Batch: 2349040
Chloride	ND	20.0	1	12/05/23	12/06/23	



Surrogate: Toluene-d8

QC Summary Data

Malachite 22 Fed 2H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 21064-0001 Plains TX, 79355-0247 Project Manager: Tom Bynum 12/8/2023 9:22:25AM Volatile Organic Compounds by EPA 8260B Analyst: RKS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2348093-BLK1) Prepared: 12/01/23 Analyzed: 12/01/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 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

LCS (2348093-BS1)					Prep	ared: 12/01/23 Analyzed	1: 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		

0.500

108

70-130

Surrogate: Bromofluorobenzene 0.500 121 70-130 0.485 0.500 97.0 70-130 Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 0.500 108 70-130 0.540

0.541

Matrix Spike (2348093-MS1)				Source:	E311239-0)7	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)	trix Spike Dup (2348093-MSD1)					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			

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Malachite 22 Fed 2HReported:PO Box 247Project Number:21064-0001Plains TX, 79355-0247Project Manager:Tom Bynum12/8/20239:22:25AM

Plains TX, 79355-0247		Project Manager:	То	m Bynum					12/8/2023 9:22:25AN
	Nor	nhalogenated C	Organics l	by EPA 801	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348093-BLK1)							Prepared: 1	2/01/23	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: 1	2/01/23	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:	E311239-0	7	Prepared: 1	2/01/23	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:	E311239-0	7	Prepared: 1	2/01/23	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			

0.500

0.500

0.470

0.551

93.9

110

70-130

70-130



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

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					12/8/2023 9:22:25AN		
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	6 %	%	%	Notes		
Blank (2349062-BLK1)							Prepared: 1	2/06/23 A	Analyzed: 12/06/23		
biesel Range Organics (C10-C28)	ND	25.0									
vil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	39.0		50.0		78.1	50-200					
.CS (2349062-BS1)							Prepared: 1	2/06/23 A	Analyzed: 12/06/23		
riesel Range Organics (C10-C28)	215	25.0	250		85.9	38-132					
urrogate: n-Nonane	39.8		50.0		79.7	50-200					
Matrix Spike (2349062-MS1)				Source:	E311245-0	05	Prepared: 1	2/06/23 A	Analyzed: 12/06/23		
viesel Range Organics (C10-C28)	216	25.0	250	ND	86.5	38-132					
urrogate: n-Nonane	40.8		50.0		81.5	50-200					
Matrix Spike Dup (2349062-MSD1)				Source:	E311245-0	05	Prepared: 1	2/06/23 A	Analyzed: 12/06/23		
tiesel Range Organics (C10-C28)	214	25.0	250	ND	85.7	38-132	0.986	20			
urrogate: n-Nonane	40.0		50.0		80.0	50-200					

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Malachite 22 Fed 2H 21064-0001	Reported:				
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/8/2023 9:22:25AM				
1 1 1 TD 1 200 0 100 TC 1							

Anions by EPA 300.0/9056A Analyst: DT									
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2349040-BLK1)							Prepared: 12	2/05/23 Anal	lyzed: 12/06/23
Chloride	ND	20.0							
LCS (2349040-BS1)							Prepared: 12	2/05/23 Anal	lyzed: 12/06/23
Chloride	244	20.0	250		97.7	90-110			
Matrix Spike (2349040-MS1)				Source:	E311245-	06	Prepared: 12	2/05/23 Anal	lyzed: 12/06/23
Chloride	278	20.0	250	37.9	96.1	80-120			
Matrix Spike Dup (2349040-MSD1)				Source:	E311245-	06	Prepared: 12	2/05/23 Anal	lyzed: 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.



Released to	forn	nation	1					Chai	n of Custody	,											Page	of
Client: P Project: N Project N Address:	/lana	ger:	Tom E	<u>3yn</u>	um	es J ZH		Attention: Pay baw Address: City, State, Zip			NO# 3 \		,	66 N 2\C	y lumbe lumbe lumbe		1D	2D	TA 3D	T Standard		SDWA RCRA
City, Stat Phone: Email: Report d	e, Zi 580- tom ue b	p Ho 748- @pin v:	bbs. I 1613	NM.	88240			Phone: Email: Pima Project # 26-2	fab	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	als 6010	Chloride 300.0		OC NM) 본		NM C	State O UT AZ Remark:	
Sampled 974:35		ate npled	Matrix	<u> </u>	No. of Containers	Sample ID	.12	<u> </u>	Lab Number	DRO	GRO	втех	δy	Met	울		Beboo	ВСООС			Kemark	i
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4:55						SWL	C	omp.	4		_						-	-	<u> </u>			
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Additio	Additional Instructions: Dill le Dine Tenine and l																					
l l	Additional Instructions: Bill to Pima Environmental Samples requiring thermal preservation must be received on Ice the day they are sampled or received to Ite to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Samples requiring thermal preservation must be received on Ice the day they are sampled or received packed in Ice at an avg temp above 0 but less than 6 °C on subsequent days.																					
Relinquisi					Date	302023	33	Received by Signature OMC	Date 3)20	Time	3	30	Rec	eivêd	on ice:	ĺ	Lab L V)/ i	lse O V	nly		
Relinquis	nęd (K: (Sign	grante)			30:2013 Tm	7	Received by: (Signature)	Date	0.22	Time	800		11			12			73		
Relinquis	lca)	.)	082			13073/2	Ho	o Hrunden	12/11	23 er Tyn		7:2				p°C		ass, v	- VOA	.		
Note: San	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above																					

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

Envirotech Analytical Laboratory

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.

Phone: (\$75) GAL-9077 Due Due Logged los: 1400-23 (1.517 Logged los by: Fortim Vourname (Fine) (\$1500 to the sample (1.00 to t	Client:	Pima Environmental Services-Carlsbad	Date Received:	12/01/23	07:30		Work Order ID:	E311245
Semilar Country Coun	Phone:	(575) 631-6977	Date Logged In:	11/30/23	15:17		Logged In By:	Jordan Montano
1. Does the sample ID match the COC? 2. Does the number of sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within boding itame? 5. Note: Analysis, such as pH which shoulds be conducted in the field, i.e. is framine bodi time, are not included in this discession. Samule Turn Around Time ITAT 6. Did the COC indicate standard TAT, or Expedited TAT? 5. Sample Conder: 7. Was a sample cooler received? 7. Was a sample (so received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample (so received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals present? 11. If yes, were custody/security seals present? 12. Was the sample received in ite of ite yes, the recorded temp is 4°C, i.e., 6°2°C yes 13. Note: Thermal preservation is our required, if samples are received wit 15 minutes of sampling 14. Are a sample so of the temperature. Actual sample temperature: 15. Are VOC samples collected in VOX vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the curve containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field libels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are samples (correctly preserved? 24. Is lab filleration required and/or requested for dissolved metals? 25. Note COC or field libels indicate the samples were preserved? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples place place for this or the containers of	Email:	tom@pimaoil.com	Due Date:	12/07/23	17:00 (4 day TAT)			
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29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA	Subcontr	act Laboratory						
	28. Are sa	imples required to get sent to a subcontract laborate	ry?	No				
Client Instruction	29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
	Client In	<u>struction</u>						
							<u> </u>	

Date

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

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

QUESTIONS

Action 303425

QUESTIONS

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	303425
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites					
Incident ID (n#)	nJXK1523052658				
Incident Name	NJXK1523052658 MALACHITE 22 FED 2H @ 30-025-40389				
Incident Type	Oil Release				
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	08/15/2015				
Surface Owner	Federal				

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

Nature and Volume of Release							
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.							
Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 5 BBL Recovered: 2 BBL Lost: 3 BBL.						
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	Not answered.						
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.						

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

QUESTIONS, Page 2

Action 303425

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	a Fe, NM 87505				
QUEST	IONS (continued)				
Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220 Action Number: 303425 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)				
QUESTIONS					
Nature and Volume of Release (continued)					
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.				
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No				
Reasons why this would be considered a submission for a notification of a major release	Unavailable.				
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. 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.				
	ilation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.				
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or				
	Name: Michael Lee				

Title: COO

Email: michael@raybawoperating.com

I hereby agree and sign off to the above statement

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

QUESTIONS, Page 3

Action 303425

QUESTIONS (continued)

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	303425
	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 1 and 5 (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	

vided to the appropriate district office no later than 90 days after the release discovery date.		
Yes		
mination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
1550		
259		
46		
0		
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.		
09/29/2020		
11/29/2023		
10/14/2020		
0		
0		
1600		
60		
ion at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
n		

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

District I

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

QUESTIONS, Page 4

Action 303425

QUESTIONS (continued)

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	303425
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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

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

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.

Name: Michael Lee Title: COO I hereby agree and sign off to the above statement Email: michael@raybawoperating.com Date: 01/30/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

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

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

QUESTIONS, Page 5

Action 303425

QUESTIONS (continued)

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	303425
	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 No submission

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 6

Action 303425

QUESTIONS (continued)

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	303425
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	304450
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.

Name: Michael Lee
Title: COO
Email: michael@raybawoperating.com
Date: 01/30/2024

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QUESTIONS, Page 7

Action 303425

QUESTIONS	(continued)
QUESTIONS:	COHUHUCU <i>1</i>

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	303425
	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 303425

CONDITIONS

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	303425
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation Closure approved. All areas not reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as practical. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/2/2024