

**NM1 - \_\_\_\_\_35\_\_\_\_\_**

**Facility Inspection  
and  
Vadose Zone  
Monitoring Report  
  
March 2023**

## Jones, Brad, EMNRD

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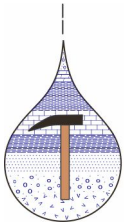
**From:** claykilmer@gmail.com  
**Sent:** Tuesday, April 4, 2023 1:07 PM  
**To:** Jones, Brad, EMNRD  
**Cc:** lealand.sgrantham; Joe Ontiveros; Gordon, I  
**Subject:** [EXTERNAL] Transmittal - March 2023 Facility and Vadose Monitoring Reports - Lea Land LLC  
**Attachments:** Transmit Lea Land LLC. MAR-2023 VZ-FCA REPORT.pdf

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

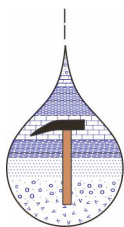
Hello Mr. Jones:

Attached is a file with transmittal and reports for March 2023 monitoring at the Lea Land LLC surface waste management facility. A hard copy was also mailed to you today. Please let me know if you have any questions or comments, or if you need further action from us on this.

Thanks,  
Clay Kilmer



**Clay Kilmer, LLC**  
Environmental Geoscience  
Water Resources  
3312 June St. NE  
Albuquerque, NM 87111  
(505) 235-4482



Clay Kilmer, LLC  
Environmental Geoscience  
Water Resources

April 4, 2023

*Delivered: Electronically, Hard copy by mail*

Mr. Brad Jones  
Environmental Permitting Group  
New Mexico Oil Conservation Division (OCD)  
Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, NM, 87505

**RE : Lea Land LLC, Surface Waste Management Facility  
OCD Permit No. NM1-35  
Transmittal of March 2023 Facility Inspection Report  
and Vadose Zone Monitoring Report**

Dear Mr. Jones:

Transmitted herein are copies of the Vadose Zone monitoring report and Facility Inspection Report for monitoring and inspection events conducted at the Lea Land LLC Surface Waste Management Facility in Lea County, New Mexico on March 24 and 31, 2023.

No free liquid, methane, hydrogen sulfide, or carbon monoxide were detected in any of the monitoring wells during the vadose zone monitoring event. No issues were identified relative to inspection parameters for the landfill, leachate and stormwater controls at the surface waste management facility.

Thanks very much for your effort to review this document. Please contact me with your questions and comments.

Sincerely,

Clay Kilmer  
Sr. Hydrogeologist

Attachment: Lea Land LLC March 31, 2023 Facility Inspection Report  
Lea Land LLC March 24, 2023 Vadose Zone Monitoring Report

cc: Stephanie Grantham, President, Lea Land, LLC.  
Joe Ontiveros, Site Manager, Lea Land LLC  
I Keith Gordon, P.E., IKG, LLC

Clay Kilmer LLC  
3312 June Street, Northeast  
Albuquerque, NM 87111  
(505) 235-4482  
claykilmer@gmail.com

**Lea Land LLC**  
**Surface Waste Management Facility**  
**OCD Permit No. NM1-35**

**Inspection Form**Date: 03-31-2023Print Name: JOE OLIVEROS

Others: \_\_\_\_\_

Signature: JOE OLIVEROS

Inspection will be in accordance with NMOCD operational conditions.

Item	Satisfactory	Action Required
Entrance Sign	✓	
Berms and outside pond levees	✓	
Tank Labels	✓	
Sumps	✓	
Pond levels three-foot free board	✓	
Free oil on Pits-Ponds	✓	
Pit and Pond condition	NA	
Pit and Pond marker numbers	NA	
Treatment Plant inspection	NA	
Solid waste disposal area inspection	✓	
Blowing trash	✓	
Fences and Gates	✓	
Leak detection sumps - Landfill - Liquid present?	✓	(Monthly analysis required if yes)
Leak detection sumps - Evaporation Ponds - Liquid present?	NA	(Monthly analysis required if yes)
Leak detection sumps - Jet Out Pit - Liquid present?	NA	(Monthly analysis required if yes)
Leak detection sumps - Stab. & Solid. - Liquid present?	NA	(Monthly analysis required if yes)
Landfill Leachate Sump	✓	
Vadose Zone Monitoring	✓	
Pond Sludge Depth	✓	

\*Comments &amp; Repairs: \_\_\_\_\_

**H<sub>2</sub>S**

READINGS ARE TO BE TAKEN 4 FT DOWNWIND FROM EVAPORATION PONDS

Evaporation Pond (readings in ppm):

POND	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

NA

\*In the event that a reading of 10 ppm is registered at the Facility, **IMPLEMENT THE CONTINGENCY PLAN!**  
 Personnel will evacuate the area and operator will monitor H<sub>2</sub>S levels downwind of the Pond.

If H<sub>2</sub>S levels reach 20 ppm, the Facility will be closed and notification will be given to the following:

Lea Land Office 575-887-4048  
 New Mexico State Police 575-392-5580  
 Eddy County Sheriff 575-887-1888  
 Lea County Sheriff 575-397-3611

NMOCD Hobbs 575-393-6161  
 NMOCD Santa Fe 505-476-3440

**Receipt & Approval**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Vadose Zone Well Monitoring Log

Lea Land LLC  
Surface Waste Management Facility  
Lea County, New Mexico

Date: 3/24/23

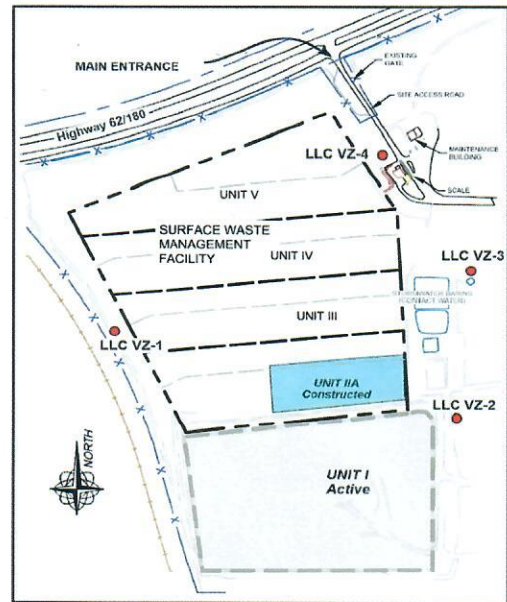
Monitored by: C. Gilmer

## Weather Information

Date and Amount of Last Precipitation: 12/23/22 0.10 inches  
Current Temp: 63 °F  
Current Wind Speed: 24 mph  
Current Wind Direction: WSW  
Current Barometric Pressure: 26.13 in. Hg  
Barometric Pressure Trend: down

## Gas Detection Equipment

Monitoring Equipment Used: MultiRaz Lite  
Date and Time Last Calibrated: 3/24/23 10:45



## Vadose Zone Well Vapor Data

Vadose Zone Well Designation	Date	Time	Screen Interval Depth Below Top Casing (feet)	CH <sub>4</sub> Concentration (% LEL)	H <sub>2</sub> S (ppm)	O <sub>2</sub> (%)	CO (%)
LLC VZ-1	3/24/23	11:10	27.75 - 37.75	0.0	0.0	20.9	0.0
LLC VZ-2	3/24/23	11:20	68.38 - 78.38	0.0	0.0	20.9	0.0
LLC VZ-3	3/24/23	11:30	50.57 - 60.57	0.0	0.0	20.9	0.0
LLC VZ-4	3/24/23	11:45	40.58 - 50.58	0.0	0.0	20.9	0.0

supplemental data

## Vadose Zone Well Fluid Measurements

Vadose Zone Well Designation	Date	Time	Well Diameter (inch)	Total Well Depth Below Top of Casing (feet)	Fluid Level Below Top of Casing (ft)	Comments
LLC VZ-1	3/24/23	11:00	2	37.75	Day 37.75	
LLC VZ-2	3/24/23	11:22	2	78.38	Day 78.38	
LLC VZ-3	3/24/23	11:33	2	60.57	Day 60.57	
LLC VZ-4	3/24/23	11:46	2	50.58	Day 50.58	

supplemental data

**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

CONDITIONS

Action 206080

CONDITIONS

Operator: LEA LAND, LLC 1300 W Main St Oklahoma City, OK 73106	OGRID: 195376
	Action Number: 206080
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By	Condition	Condition Date
bjones	None	4/11/2023