

**NM1 - \_\_\_\_\_ 35 \_\_\_\_\_**

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

## Jones, Brad, EMNRD

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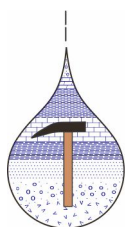
**From:** claykilmer@gmail.com  
**Sent:** Sunday, November 5, 2023 7:46 AM  
**To:** Jones, Brad, EMNRD  
**Cc:** lealand.sgrantham; Joe Ontiveros; kgordon@ikgllc.com  
**Subject:** [EXTERNAL] Lea Land LLC October 2023 Facility Inspection Reports  
**Attachments:** Transmit Lea Land LLC. OCT 31-2023 VZ-FCA REPORT.pdf

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

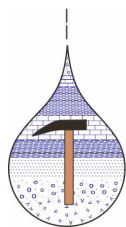
Hello Mr. Jones:

Attached is a file with transmittal and reports for October 2023 monitoring at the Lea Land LLC surface waste management facility. 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

November 6, 2023

Electronic Delivery

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 October 2023 Facility Inspection Report  
and October 2023 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 October 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 October 31, 2023 Facility Inspection Report  
Lea Land LLC October 31, 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: 10-31-23

Print Name: GORDON J. JONES

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

Signature: \_\_\_\_\_

Inspection will be in accordance with NMOC 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	N/A	
Pit and Pond condition	N/A	
Pit and Pond marker numbers	N/A	
Treatment Plant inspection	N/A	
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?	N/A	(Monthly analysis required if yes)
Leak detection sumps - Jet Out Pit - Liquid present?	N/A	(Monthly analysis required if yes)
Leak detection sumps - Stab. & Solid. - Liquid present?	N/A	(Monthly analysis required if yes)
Landfill Leachate Sump	✓	
Vadose Zone Monitoring	✓	
Pond Sludge Depth	✓	

\*Comments & 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

N/A

\*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

NMOC Hobbs 575-393-6161  
 NMOC 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

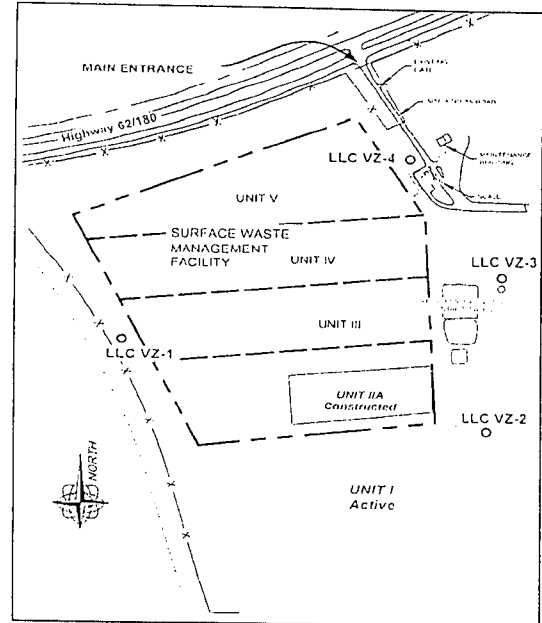
Date: 10-31-2023Monitored by: GERONIMO OSTIQUIS

## Weather Information

Date and Amount of Last Precipitation: 0 inches  
Current Temp: 47° °F  
Current Wind Speed: 4 mph  
Current Wind Direction: S  
Current Barometric Pressure: 30.47 = in. Hg  
Barometric Pressure Trend: =

## Gas Detection Equipment

Monitoring Equipment Used: Gas Alert Max  
Date and Time Last Calibrated: 10-31-23



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	10-31-23	8:00	27.75 - 37.75	0	0	20.9	0
LLC VZ-2	10-31-23	8:23	68.38 - 78.38	0	0	20.9	0
LLC VZ-3	10-31-23	8:39	50.57 - 60.57	0	0	20.9	0
LLC VZ-4	10-31-23	8:52	40.58 - 50.58	0	0	20.9	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	10-31-23	8:00	2	37.75	—	N/A	
LLC VZ-2	10-31-23	8:23	2	78.38	—		
LLC VZ-3	10-31-23	8:39	2	60.57	—		
LLC VZ-4	10-31-23	8:52	2	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 282816

CONDITIONS

Operator: LEA LAND, LLC 1300 W Main St Oklahoma City, OK 73106	OGRID: 195376
	Action Number: 282816
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By	Condition	Condition Date
bjones	None	11/6/2023