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

# Facility Inspection and Vadose Zone Monitoring Report

February 2023



March 3, 2023

Delivered: Electronically, Hard copy by mail

Ms. Leigh Barr
Permitting Group Supervisor
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 February 2023 Facility Inspection Report** 

and Vadose Zone Monitoring Report

Dear Ms. Barr:

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 February 28, 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

Clay Tilma

Attachment: Lea Land LLC February 28, 2023 Facility Inspection Report

Lea Land LLC February 28, 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 Released to Imaging: 3/8/2023 9:21:10 AM

# Received by OCD: 3/8/2023 9:17:53 AM

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

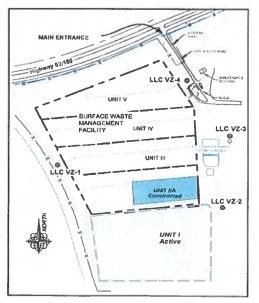
Date: 01-31-20	2.3 Print Na	imes.	At: VEROS
Others:			A SED
	Signatu	re: JOE C	and my
Ins	pection will be in accordance v	with AIMAGOD	
tem			
ntrance Sign		Satisfactory	Action Required
Berms and outside pond leve	es	V	
ank Labels			
Gumps		<u> </u>	
ond levels three-foot free bo	pard		
ree oil on Pits-Ponds			
it and Pond condition		«IA	
it and Pond marker numbers	5	NA	
reatment Plant inspection		MA	
olid waste disposal area insp	pection	V	
lowing trash			
ences and Gates		- K	
eak detection sumps - Landfi	ill - Liquid present?		(Monthly analysis required if yes)
eak detection sumps - Evapo	oration Ponds - Liquid present?	+14-	(Monthly analysis required if yes)
eak detection sumps - Jet Ol	ut Pit - Liquid present?		(Monthly analysis required if yes)
eak detection sumps - Stab.	& Solid Liquid present?	1/4	(Monthly analysis required if yes)
andfill Leachate Sump		NA	(Monthly analysis required if yes)
adose Zone Monitoring			
ond Sludge Depth Comments & Repairs:			
READINGS		S WNWIND FROM EV	APORATION PONDS
vaporation Pond (readings	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
READINGS vaporation Pond (readings POND	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND 12 3 4 5	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND  1 2 3 4 5	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND  1 2 3 4 5 6 7 8	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND  1 2 3 4 5 6 7	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND  1 2 3 4 5 6 7 8 9 10	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND  1 2 3 4 6 7 8 9 10 11	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND  1 2 3 4 5 6 7 8 9 10	ARE TO BE TAKEN 4 FT DO		APORATION PONDS
vaporation Pond (readings POND  1 2 3 4 5 6 7 10 11 12	ARE TO BE TAKEN 4 FT DOI	WNWIND FROM EV	
vaporation Pond (readings POND  1 2 3 4 6 7 10 11 12 the event that a reading of 1	in ppm):	WNWIND FROM EV	ALE CONTINCENCY DI ANN
raporation Pond (readings POND  1 2 3 4 6 7 10 11 12 the event that a reading of 1 resonnel will evacuate the are	in ppm):  10 ppm is registered at the Faces and operator will monitor He	willy, IMPLEMENT TH	E CONTINGENCY PLAN!
vaporation Pond (readings POND  1 2 3 4 6 7 10 11 12 the event that a reading of 1 rsonnel will evacuate the are 12 S levels reach 20 ppm, the	in ppm):  10 ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti	willity, IMPLEMENT THE S levels downwind of fication will be given	E CONTINGENCY PLAN!
vaporation Pond (readings POND  1 2 3 4 5 6 7 10 11 12 1the event that a reading of 1 1rsonnel will evacuate the are 12 S levels reach 20 ppm, the Lea Land Office	in ppm):  to ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti	cility, IMPLEMENT TH S levels downwind of fication will be given NMOCD Hobbs	HE CONTINGENCY PLAN! the Pond. to the following: 575-393-6161
the event that a reading of 1 resonnel will evacuate the are 12 S levels reach 20 ppm, the Lea Land Office	in ppm):  10 ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti 575-887-4048 575-392-5580	willity, IMPLEMENT THE S levels downwind of fication will be given	HE CONTINGENCY PLAN! the Pond. to the following: 575-393-6161
taporation Pond (readings POND  1 2 3 4 6 7 10 11 12 the event that a reading of 1 resonnel will evacuate the are 12 levels reach 20 ppm, the 12 levels reach 20 ppm, the 14 level Land Office level Mexico State Police 15 levels County Sheriff	in ppm):  10 ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti 575-887-4048 575-392-5580 575-887-1888	cility, IMPLEMENT TH S levels downwind of fication will be given NMOCD Hobbs	E CONTINGENCY PLAN! the Pond. to the following: 575-393-6161
the event that a reading of 1 resonnel will evacuate the are 1/2 levels reach 20 ppm, the lea Land Office New Mexico State Police Eddy County Sheriff	in ppm):  10 ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti 575-887-4048 575-392-5580	cility, IMPLEMENT TH S levels downwind of fication will be given NMOCD Hobbs	E CONTINGENCY PLAN! the Pond. to the following: 575-393-6161
vaporation Pond (readings POND  1 2 3 4 5 6 7 10 11 12 Ithe event that a reading of 1 resonnel will evacuate the are 12S levels reach 20 ppm, the	in ppm):  10 ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti 575-887-4048 575-392-5580 575-887-1888	cility, IMPLEMENT TH S levels downwind of fication will be given NMOCD Hobbs NMOCD Santa F	HE CONTINGENCY PLAN! the Pond. to the following: 575-393-6161 e 505-476-3440
vaporation Pond (readings POND  1 2 3 4 5 6 7 10 11 12 Ithe event that a reading of 1 irsonnel will evacuate the are 1 2 S levels reach 20 ppm, the Lea Land Office New Mexico State Police Eddy County Sheriff	in ppm):  10 ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti 575-887-4048 575-392-5580 575-887-1888	cility, IMPLEMENT TH S levels downwind of fication will be given NMOCD Hobbs	HE CONTINGENCY PLAN! the Pond. to the following: 575-393-6161 e 505-476-3440
the event that a reading of 1 resonnel will evacuate the are 12 S levels reach 20 ppm, the lea Land Office New Mexico State Police Eddy County Sheriff	in ppm):  10 ppm is registered at the Face and operator will monitor H <sub>2</sub> : Facility will be closed and noti 575-887-4048 575-392-5580 575-887-1888	cility, IMPLEMENT THE Sevels downwind of fication will be given NMOCD Hobbs NMOCD Santa F	HE CONTINGENCY PLAN! the Pond. to the following: 575-393-6161 e 505-476-3440

### Vadose Zone Well Monitoring Log

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

Date:	2/28/23	
Monitored by:	Clay Kilm	,
Weather Information  Date and Amount of Last Preci	pitation: 3/12/23 0:10	inches
Current Temp:	66	•F
Current Wind Speed:	15	mph
Current Wind Direction:	INEST.	
Current Barometric Pressure:	26.16	in. Hg
Barometric Pressure Trend:	falling	
	3	
Gas Detection Equipment	1/200	
Monitoring Equipment Used:	Mu HiRas	
Date and Time Last Calibrated:	2/28/23 08:20	

08:30



Released to Imaging: 3/8/2023 9:21:10 AM

1/2-	Date	Time		CH <sub>4</sub> Concentration	H <sub>2</sub> S (ppm)	O <sub>2</sub>	со
16			Top Casing (feet)	(% LEL)	rizo (ppin)	(%)	(%)
48	3/23	09.30	27.75 - 37.75	0.0	0,0	20.9	0.0
4/28	123	49:45	68.38 - 78.38	0.4	0.0	20.9	9.0
2/2	8/23	06.55	50.57 - 60.57	6.0	5.0		0.0
4/2	9(2)	10:05	40.58 - 50.58	0.0	6.6		0,0
,	•	·				100	<del>-</del>
-		+					
_							
-							
-							
- 0							
		Vadose 2	one Well Fluid M	easurements			
Date		Date Time	Weli Diameter (inch)	Total Well Depth Below Top of Casing (feet)	Fluid Level Below Top of Casing (ft)	Comments	
2/2	28/23	09:25	2	37,75	Dau	R 37.7	5
					TO TO	CP 10.5	5
5/	0/2	16.00			Do	A CO. 50	<b>5</b>
- 2	0/00	170,07		30.36	ylly	C 300	0
					-		
_							
ogr							
	- 1	CHARGE					
1		1	1		ı		
		-	-				
	2/2	Date  2/28/23 2/28/23 2/28/23 2/28/23	Vadose Z  Date Time  2/28/23 09:25 2/28/23 09:25 2/28/23 09:44 2/28/23 09:44	Vadose Zone Well Fluid M  Date Time Well  Diameter (inch)  2/28/23 05: 25 2 2/28/23 05: 40: 40: 40: 40: 40: 40: 40: 40: 40: 40	Vadose Zone Well Fluid Measurements   Vadose Zone Well Fluid Measure	Vadose Zone Well Fluid Measurements   Vadose Zone Well Fluid Measurements	Vadose Zone Well Fluid Measurements   Total Well Depth Below Top of Casing (feet)   Fluid Level Below Top of Casing (fit)   Z Z8/Z3   Q7: Z5   Z   37.75   Drug   C 37.7   Z Z8/Z3   Q7: Z5   Z   78.38   Drug   C 38.35   Z Z Z3   Q7: Z5   Z   60.57   Drug   C 60.55   Drug   D

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

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 194655

### **CONDITIONS**

Operator:	OGRID:
LEA LAND, LLC	195376
1300 W Main St	Action Number:
Oklahoma City, OK 73106	194655
	Action Type:
	[C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

### CONDITIONS

Created By		Condition Date
bjones	None	3/8/2023