

March 12, 2024

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Revised Closure Request
Grayburg Eumont Strawn Battery
Incident Number NAPP2302036818
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Natural Resources, LLC (Maverick), has prepared this *Revised Closure Request* to provide additional depth to groundwater documentation in reponse to the New Mexico Oil Conservation Division (NMOCD) denial of the original *Closure Request*, dated October 11, 2023.

On February 9, 2024, NMOCD denied the original *Closure Request* for the following reason:

• Closure denied. Depth to groundwater is not verified. If nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, data must be no more than 25 years old, and well construction information must be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.

Based on the excavation activities, analytical results from the soil sampling events, and additional depth to groundwater documentation provided below, Maverick is submitting this *Revised Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NAPP2302036818.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit F, Section 25, Township 20 South, Range 37 East, in Lea County, New Mexico (32.5459° N, -103.2054° W) and is associated with oil and gas exploration and production operations on private land.

On January 5, 2023, a separator dump froze open and caused a tank to overflow. Approximately 20 barrels (bbls) of crude oil and 15 bbls of produced water were released onto the surface of the well pad. Approximately 20 bbls of crude oil and 10 bbls of produced water were recovered with a vacuum truck. Maverick reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on January 16, 2023. The release was assigned Incident Number NAPP2302036818.

Maverick Permian, LLC Revised Closure Request Grayburg Eumont Strawn Battery

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the NMAC. Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site was determined to be greater than 55 feet below ground surface (bgs) based on a recent soil boring drilled at the Site. Soil boring DTW-01 was drilled at the Site on March 6, 2024, to a depth of 55 feet bgs. A field geologist logged and described soil continuously. The borehole lithologic log is included in Appendix A. No groundwater was encountered in the borehole to a depth of 55 feet bgs. The borehole was left open for over 72 hours to allow for potential infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater is greater than 55 feet bgs at the Site. The borehole was properly abandoned using hydrated bentonite chips. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a intermittent stream, located approximately 3,524 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

SITE ASSESSMENT AND SOIL SAMPLE ACTIVITIES

On March 16, 2023, Ensolum personnel were at the Site to evaluate the release based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B. On March 23, 2023, excavation activities were completed via backhoe and hand shovels to remove the impacted soil. The excavation was completed to an approximate depth of 0.5 feet to 1-foot bgs. The excavation was completed in an area of active production equipment and was backfilled immediately before any excavation confirmation samples were collected.

Between April 17, 2023 and September 5, 2023, Ensolum personnel were at the Site to complete assessment activities to confirm the removal of all impacted soil. Boreholes BH01 through BH11 were advanced via hand auger within and around the release extent to depths randing from 2 feet to 3 feet bgs. Soil from the boreholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field



Maverick Permian, LLC Revised Closure Request Grayburg Eumont Strawn Battery

screening results and observations for the boreholes were logged on lithologic soil sampling logs, which are included in Appendix C. Delineation soil samples were collected from each borehole at depths of 1foot and 2 feet bgs. The borehole and delineation soil sample locations are presented on Figure 2.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories in Carlsbad, New Mexico, for analysis of the following contaminants of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 4500.

Laboratory analytical results for the delineation samples collected from boreholes BH03 through BH07. advanced around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria, and successfully defined the lateral extent of the release. Laboratory analytical results for the delineation samples collected from boreholes BH01 and BH08 through BH11. advanced within the release extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Additionally, the final depth samples, collected at 2 feet bgs, were compliant with the most stringent Table I Closure Criteria and defined the vertical extent of the release. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to confirm the removal of impacted soil resulting from the January 5, 2023, release of crude oil and produced water onto the surface of the well pad. Delineation soil samples were collected within and around the release extent from depths ranging from 1-foot to 2 feet bgs. Laboratory analytical results for the delineation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. Additionally, the release was laterally and vertically delineated to below the most stringent Table I Closure Criteria.

Initial response efforts and excavation of impacted soil have mitigated impacts at the Site. Based on initial response efforts, confirmed depth to groundwater greater than 55 feet bgs at the Site, and soil sample laboratory analytical results compliant with the Site Closure Criteria, no further remediation is required. Maverick believes the remedial actions completed are protective of human health, the and groundwater and respectfully requests closure for Incident Number NAPP2302036818. NMOCD notifications are provided in Appendix E and the Final Form C-141 is attached as Appendix F.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,

Ensolum, LLC

Aimee Cole

Senior Managing Scientist

CC: Bryce Wagoner, Maverick Permian, LLC



Maverick Permian, LLC Revised Closure Request Grayburg Eumont Strawn Battery

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Lithologic / Soil Sampling Logs

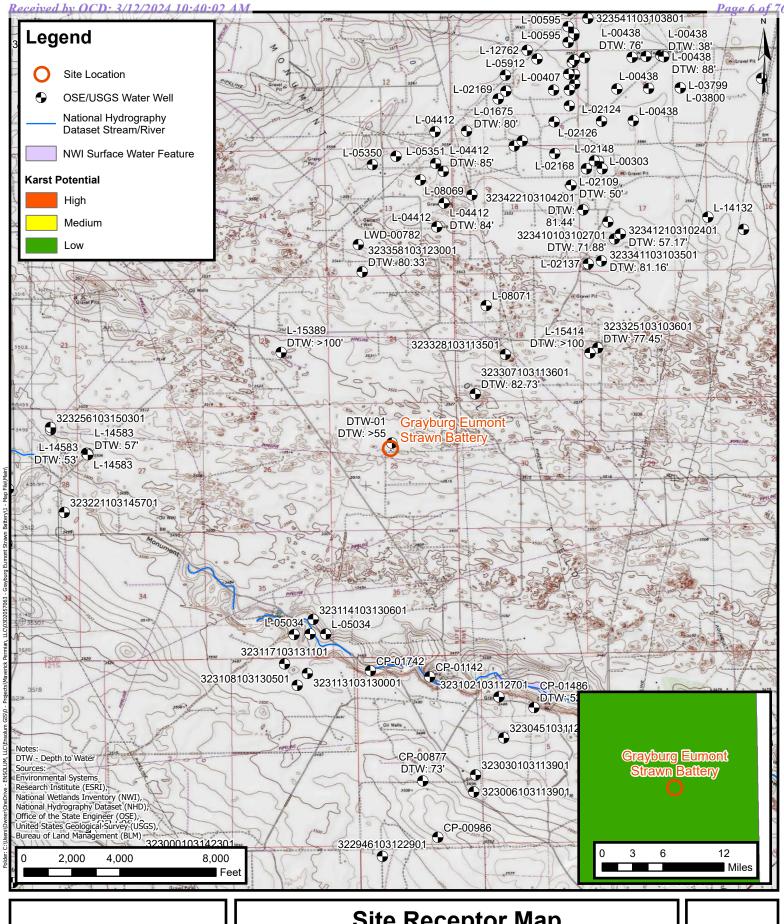
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications





FIGURES

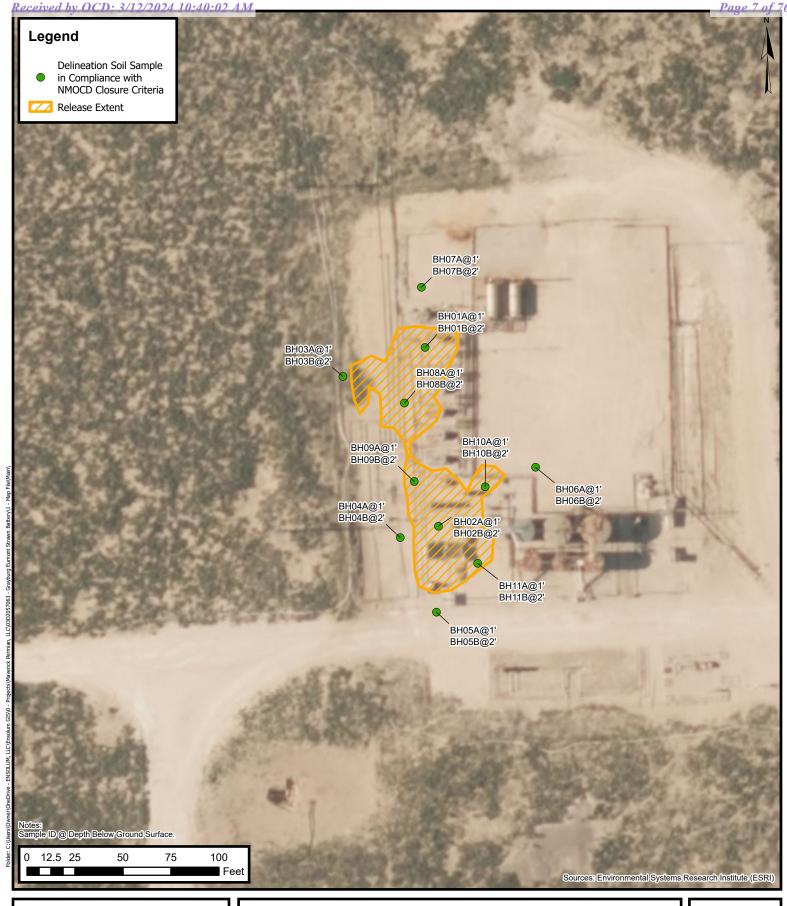




Site Receptor Map

Maverick Permian, LLC **Grayburg Eumont Strawn Battery** Incident Number: NAPP2302036818 Unit F, Section 25, Township 20 South, Range 37 East Lea County, New Mexico

FIGURE





Delineation Soil Sample Locations

Maverick Permian, LLC
Grayburg Eumont Strawn Battery
Incident Number: NAPP2302036818
Unit F, Section 25, Township 20 South, Range 37 East
Lea County, New Mexico

FIGURE 2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Grayburg Eumont Strawn Battery

				Ma	yerick Permian, I County, New Me	LC				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Deli	neation Soil Sam	ples				
BH01A	04/17/2023	1	<0.050	<0.300	<10.0	316	302	316	628	32.0
BH01B	04/17/2023	2	<0.050	<0.300	<10.0	196	169	196	365	32.0
BH02A	04/17/2023	1	<0.050	<0.300	<10.0	28.8	35.6	28.8	64	16.0
BH02B	04/17/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH03A	04/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH03B	04/17/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH04A	04/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH04B	04/17/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH05A	04/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH05B	04/17/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH06A	04/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH06B	04/17/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH07A	04/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH07B	04/17/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH08	09/05/2023	1	<0.050	<0.300	<10.0	38.1	<10.0	38.1	38.1	16.0
BH08A	09/05/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
BH09	09/05/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH09A	09/05/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH10	09/05/2023	1	<0.050	<0.300	<10.0	88.3	47.1	88.3	135.4	64.0
BH10A	09/05/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128.0
BH11	09/05/2023	1	<0.050	<0.300	<10.0	102.0	74.0	102.0	176.0	64.0
BH11A	09/05/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

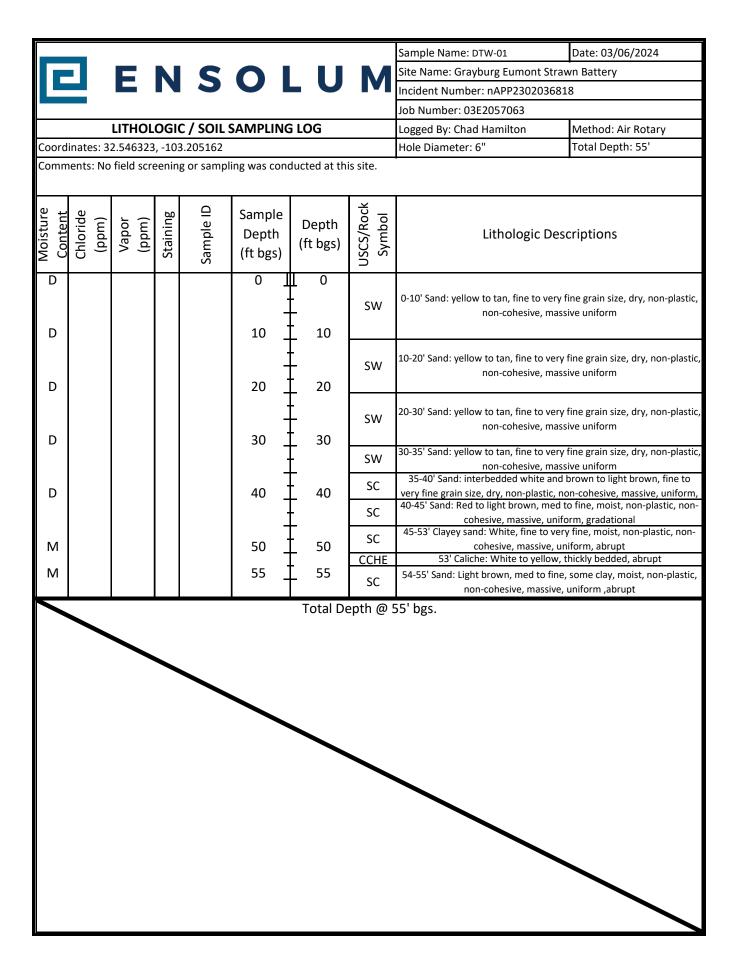
Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

Grey text represents samples that have been excavated



APPENDIX A

Referenced Well Records





USGS Home **Contact USGS** Search USGS

National Water Information System: Web Interface

USGS Water Resources

Groundwater **United States** GO

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

323307103113601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323307103113601 20S.38E.19.312141

Table of data Tab-separated data

Lea County, New Mexico Latitude 32°33'07", Longitude 103°11'36" NAD27 Land-surface elevation 3,534 feet above NAVD88

The depth of the well is 115 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Graph of dat										
Reselect per										
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source meass
1954-04-02	2	D	62610		3454.12	NGVD29	1	Z		
1954-04-02	2	D	62611		3455.23	NAVD88	1	Z		
1954-04-02	2	D	72019	78.77			1	Z		
1961-02-28	3	D	62610		3453.28	NGVD29	1	Z		
1961-02-28	3	D	62611		3454.39	NAVD88	1	Z		
1961-02-28	3	D	72019	79.61			1	Z		
1966-03-08	3	D	62610		3446.84	NGVD29	1	Z		
1966-03-08	3	D	62611		3447.95	NAVD88	1	Z		
1966-03-08	3	D	72019	86.05			1	Z		
1968-04-08	3	D	62610		3451.86	NGVD29	1	Z		
1968-04-08	3	D	62611		3452.97	NAVD88	1	Z		
1968-04-08	3	D	72019	81.03			1	Z		
1971-01-28	3	D	62610		3451.34	NGVD29	1	Z		
1971-01-28	3	D	62611		3452.45	NAVD88	1	Z		
1971-01-28	3	D	72019	81.55			1	Z		
1976-01-29)	D	62610		3450.16	NGVD29	1	Z		

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1976-01-29		D	62611		3451.27	NAVD88	1	Z		
1976-01-29		D	72019	82.73			1	Z		

Ex	ทเล	na	Ť١	വ

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> Data Tips **Explanation of terms** Subscribe for system changes <u>News</u>

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-01-30 13:43:26 EST

0.28 0.24 nadww02

USA.gov



7	OSE POD NO. ()		WELL TAG ID NO			OSE FILE NO(S).			
LIO	_							PHONE (OPTION	ONAT			
AND WELL LOCATION	WELL OWNER MAVRICK		AL RESOURCES	LLC				928-241-186	5			
LL	WELL OWNER	R MAILING	ADDRESS					CITY		STATE		ZIP
WEL	1410 NW C	OUNTY	ROAD					HOBBS		NM	88240	
ND	WELL		DE	GREES	MINUTES	SECON			nicipan nicipanis in the many normal to appear to the first three control or control or the			
AL/	LOCATION	L. T.	TITUDE	32	33	25.	N		REQUIRED: ONE TEN	TH OF A	SECOND	
GENERAL	(FROM GPS	LON	NGITUDE	-103	13	11.	88 W	* DATUM REG	QUIRED: WGS 84			
1. GE	DESCRIPTION SEMU-EUN		IG WELL LOCATION TO 68	STREET ADDE	RESS AND COMMO	N LANDM	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	AILABLE	
	LICENSE NO.		NAME OF LICENSED						NAME OF WELL DR			
	WD-11	184		RUSSI	ELL SOUTHER	LAND			WEST TEXAS	WATE	R WELL SER	RVICE
	9/27/20		DRILLING ENDED 09/27/2022	DEPTH OF CO	OMPLETED WELL (F 100	T)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIRS	ST ENCO	UNTERED (FT)	
Z	COMPLETED	WELL IS:	ARTESIAN	DRY HOL	LE SHALLO	W (UNCC	NFINED)		STATIC WATER LEV	EL IN CO		LL (FT)
VTIO	DRILLING FLI	UID:	✓ AIR	MUD	ADDITIV	ES – SPE	CIFY:					
RM	DRILLING ME	ETHOD:	ROTARY	П наммен	R CABLET	TOOL	ОТНЕ	R – SPECIFY:				
INFO	DEPTH (1	feet bgl)	BORE HOLE	CASING	MATERIAL ANI	O/OR	CA	ASING	CASING	CASI	NG WALL	SLOT
CASING INFORMATION	FROM	ТО	DIAM (inches)		GRADE each casing string sections of screen		CONN	NECTION TYPE ling diameter)	INSIDE DIAM. (inches)	THI	ICKNESS inches)	SIZE (inches)
8				110.6	Manic Dillor	-						
2. DRILLING			_	NOC	CASING IN HOL	C .						
RIL												
2. D												
									OSE DII OCT	1420	22 PM2:31	
								-				
								ent, de administrações de administrações (Albertas e Albertas Albertas Albertas Albertas Albertas Albertas Alb				
	DEPTH (1	feet bgl)	BORE HOLE	11	ST ANNULAR S	EAL MA	TERIAL A	AND	AMOUNT		METHO	D OF
AL	FROM	TO	DIAM. (inches)		VEL PACK SIZE				(cubic feet)		PLACEM	
TER												
MA						N/A						
LAR												
ANNULAR MATERIAL										-		
3. A.											*************************	
FOR	OSE INTERN	NAL USE						WR-2	0 WELL RECORD		Version 04/30	0/19)
FILE	ENO. (-1	5380	4		POD NO). \		TRN	NO. 73358	24		

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

LOCATION 205.37E.23.7

FILE NO. L-15389

	DEPTH (feet bgl)		COLOR AN	D TYPE OF MATER	RIAL E	NCOUN	TERED -		WA	ΓER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		R-BEARING CAVI' plemental sheets to				S	BEAR (YES	ING?	WATER- BEARING ZONES (gpm)
	0	1			CALICHIE	PAD				Y	✓ N	
	1	20			SAND		-			Y	✓ N	
	20	21			LIMESTO	NE				Y	✓ N	
	21	100			SAND					Y	✓ N	
										Y	N	
Ţ										Y	N	
4. HYDROGEOLOGIC LOG OF WELL										Y	N	
OF					1					Y	N	
507										Y	N	
3IC I										Y	N	
070										Y	N	
GEC					CONTRACTOR OF THE PROPERTY OF					Y	N	
DRO										Y	N	
НУ								1000-1101-1101-1101-1101-1101-1101-110		Y	N	
4										Y	N	
										Y	N	
										Y	N	
										Y	N	
										Y	N	
										Y	N	
				L						Y	N	
	METHOD U	-		OF WATER-BEARING BAILER OT	G STRATA: HER – SPECIFY:D	RY HO	OLE			AL ESTIN L YIELD		0.00
NOISI	WELL TES			ACH A COPY OF DAT ME, AND A TABLE SH								
TEST; RIG SUPERVISI	MISCELLA	NEOUS INF	FORMATION:					0%	SE DI	r oct i	.4 2022	PM2:31
5. TES	PRINT NAM	100		RVISOR(S) THAT PRO	VIDED ONSITE SU	PERVI	SION O	F WELL CON	STRUC	CTION O	THER TH	AN LICENSEE:
6. SIGNATURE	RECORD O	F THE ABO	ALSO BE FILED	AT TO THE BEST OF WELL. I ALSO CERT WITH THE PERMIT HE RUSSEL	IFY THAT THE WE IOLDER WITHIN 30 L SOUTHERLAN	ELL TA DAYS	G. IF RE	EOUIRED, HA	S BEE	N INSTA N OF WE	LLED AN	D THAT THIS
FOI	R OSE INTER	NAI IISE						WR-20 WF	LLREC	CORD &	LOG (Ver	sion 04/30/2019)
		15389			POD NO.			TRN NO.		358		01/30/2017)
LO			7E. 23. 2	2.1.4			WELL	TAG ID NO.	-	_	1	PAGE 2 OF 2



APPENDIX B

Photographic Log



Photographic Log

Maverick Permian, LLC Grayburg Eumont Strawn Battery NAPP2302036818





Photograph 1 Date: 03/16/23 Photograph 2 Date: 03/16/23

Description: Soil staining in release footprint Description: Soil staining in release footprint

View: Southeast View: Southeast



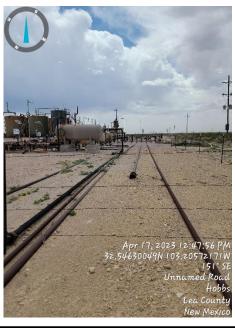
Photograph 3 Date: 03/23/23 Photograph 4 Date: 03/23/23

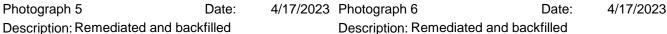
Description: Remediation activities Description: Remediation activities

View: East View: Southeast



Photographic Log Maverick Permian, LLC **Grayburg Eumont Strawn Battery** NAPP2302036818





View: Southwest



View: South





4/17/2023 Photograph 7 Photograph 7 Date: Date: 3/6/2024

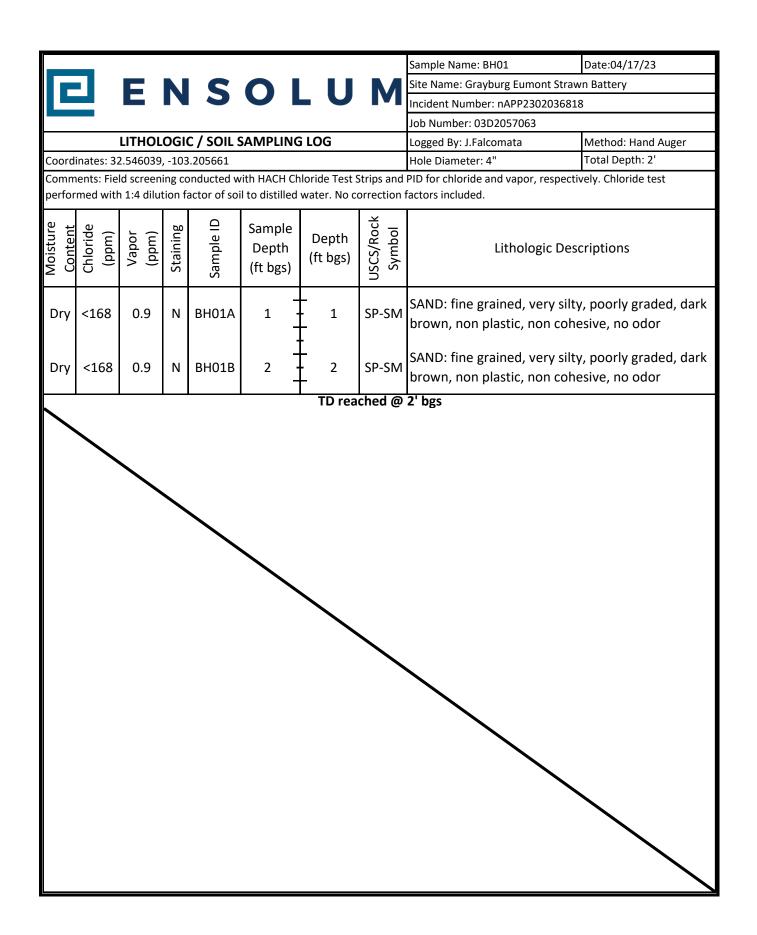
Description: Remediated and backfilled Description: Drilling depth to water boring

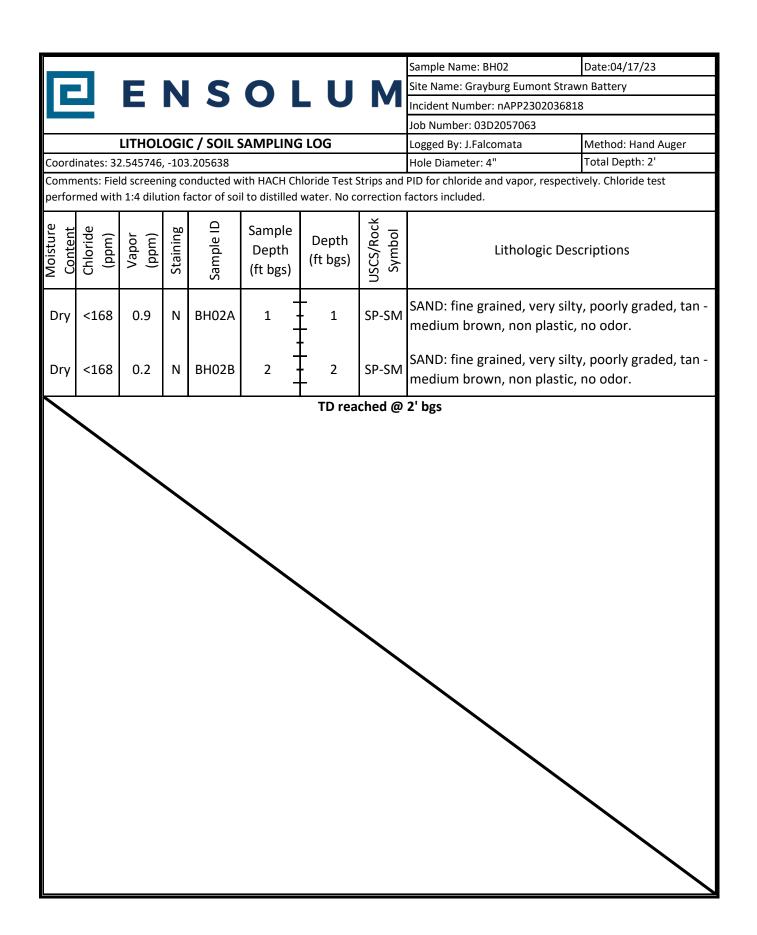
View: Southwest View: West

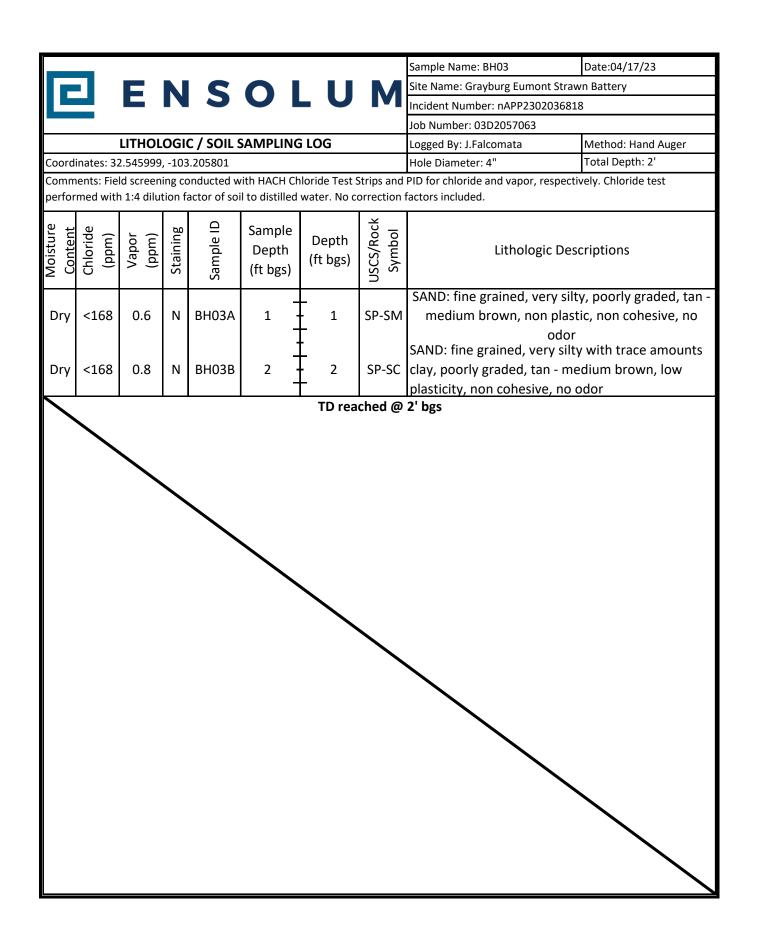


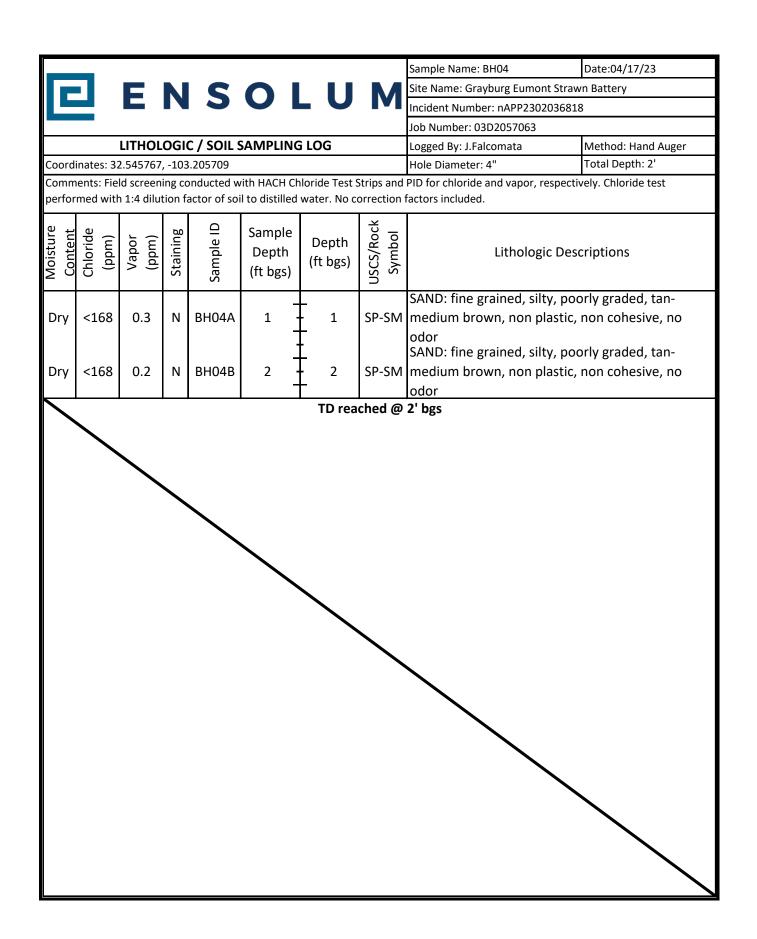
APPENDIX C

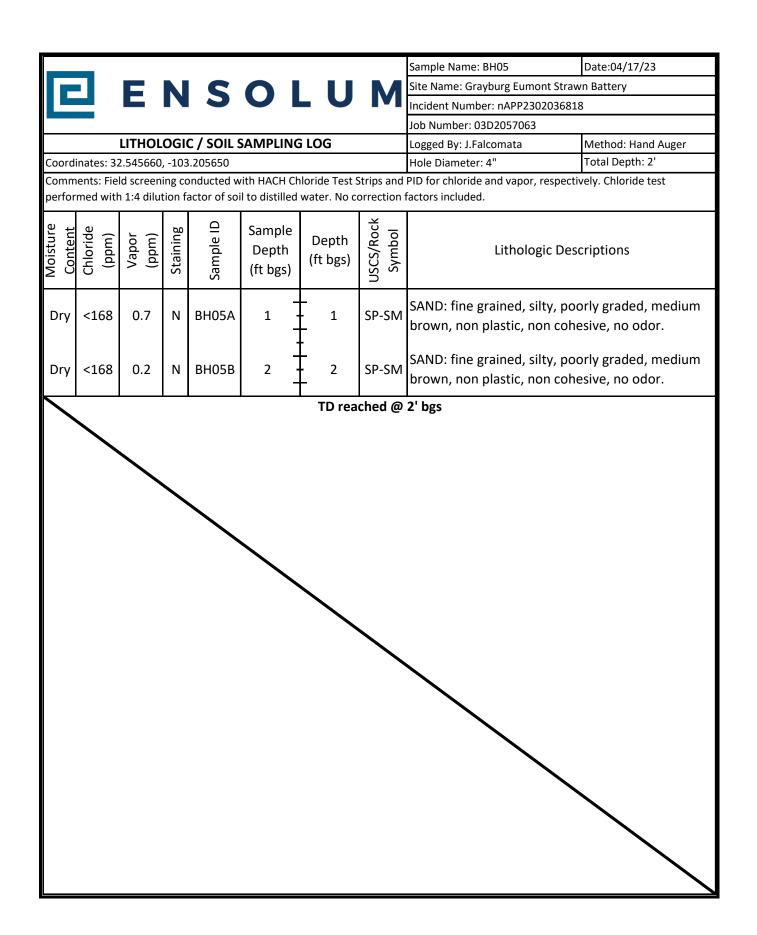
Lithologic Soil Sampling Logs

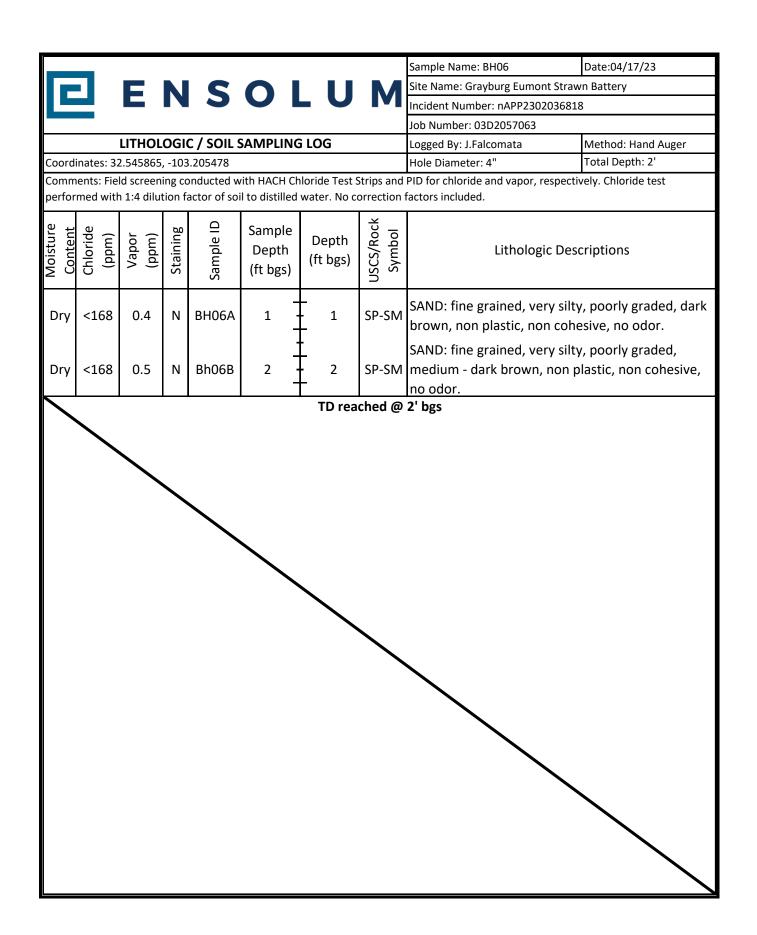


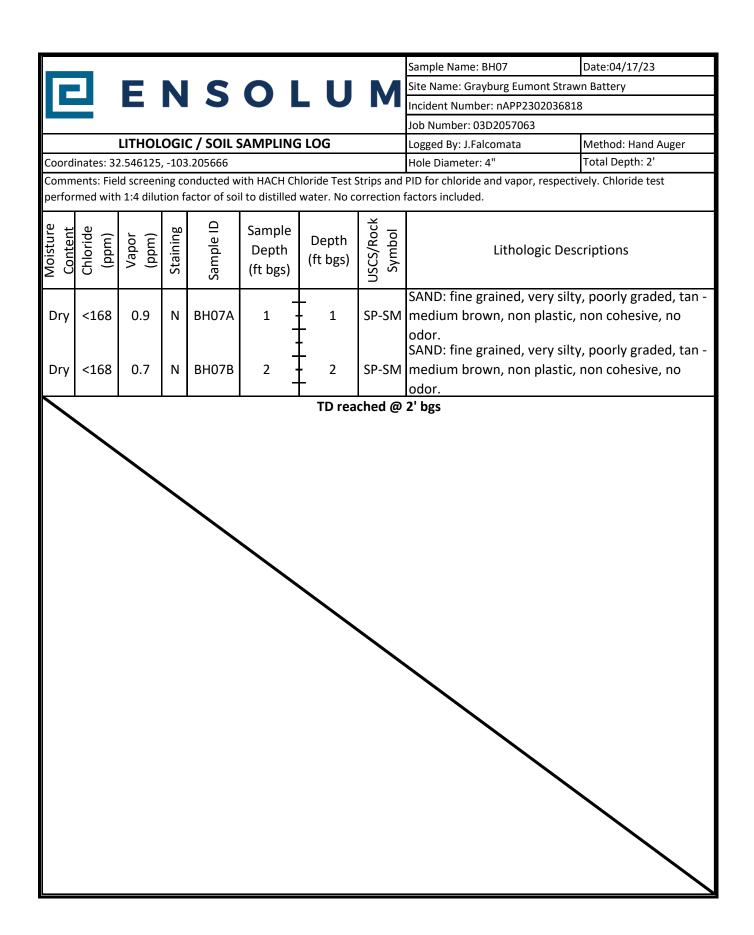


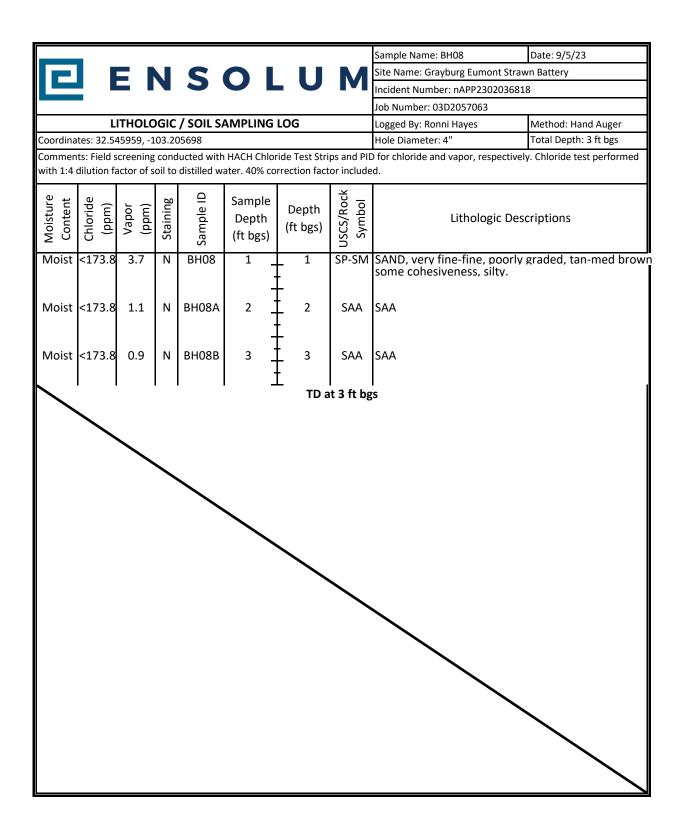


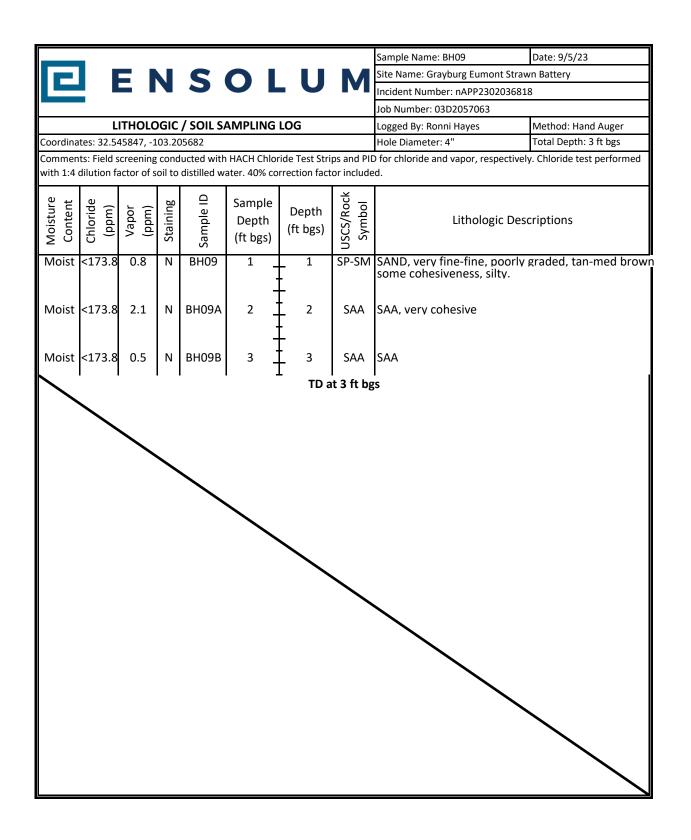


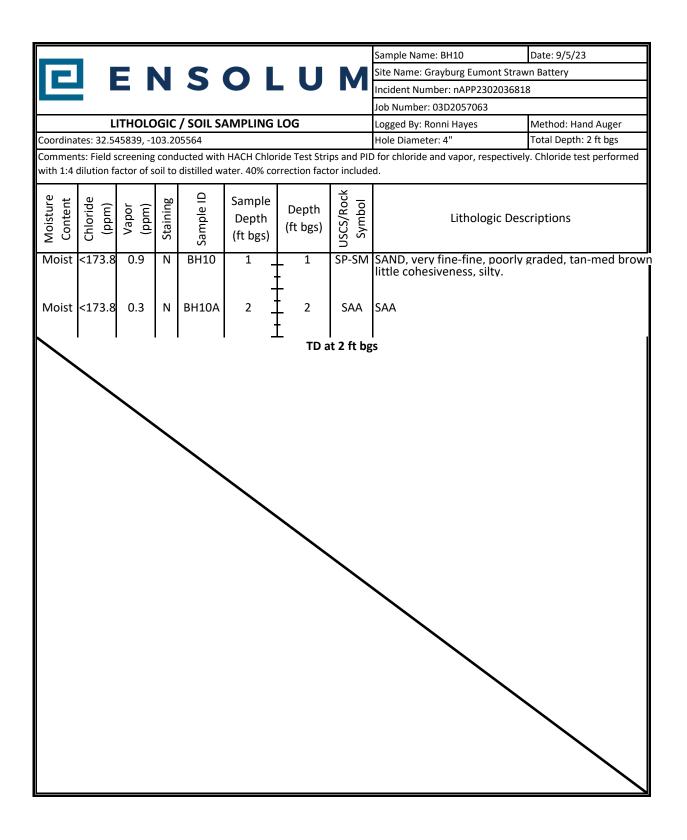


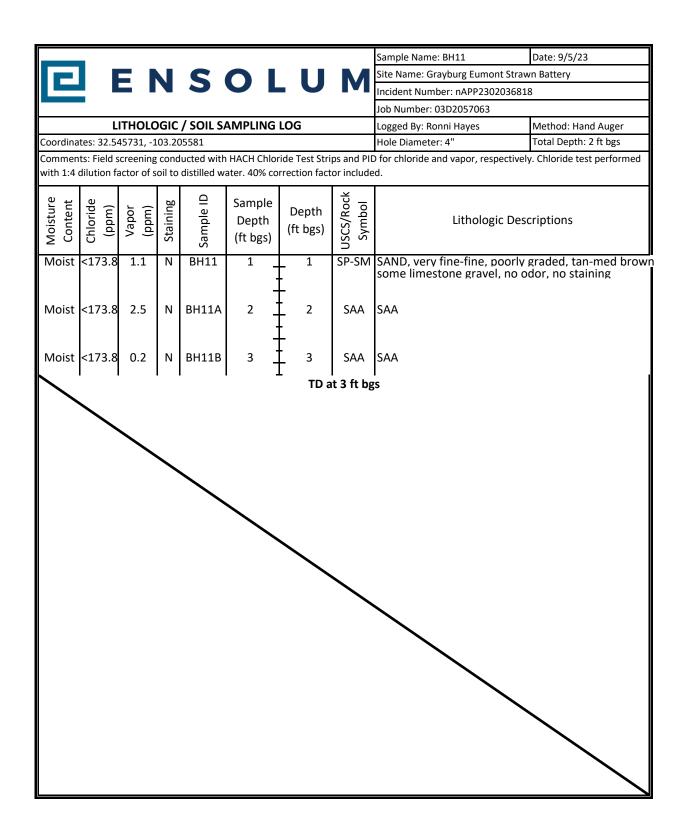














APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



April 21, 2023

KALEI JENNINGS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: GRAYBURG EUMONT STRAWN BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/17/23 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Sampling Date: 04/17/2023 Reported: 04/21/2023 Sampling Type: Soil

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition:

** (See Notes) Project Number: 03D2057063 Sample Received By: Tamara Oldaker

A ... - I. ... - - I D. ... 311 /

Project Location: 32.5459-103.2054

Sample ID: BH 01A @ 1' (H231839-01)

BTEX 8021B	mg/kg Analyzed By: JH/								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	316	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	302	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Sampling Date: 04/17/2023 Reported: Sampling Type: Soil 04/21/2023

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition: ** (See Notes) Tamara Oldaker Project Number: 03D2057063 Sample Received By:

Project Location: 32.5459-103.2054

Sample ID: BH 01B @ 2' (H231839-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01			
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18			
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36			
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170			
Total BTEX	<0.300	0.300	04/20/2023	ND							
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	32.0	16.0	04/19/2023	ND	448	112	400	7.41			
TPH 8015M	mg,	/kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510			
DRO >C10-C28*	196	10.0	04/20/2023	ND	191	95.5	200	3.88			
EXT DRO >C28-C36	169	10.0	04/20/2023	ND							
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4								
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	18								

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

GRAYBURG EUMONT STRAWN BATTERY

Project Name: Project Number: 03D2057063 Project Location: 32.5459-103.2054

Sampling Date: 04/17/2023 Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: BH 02A @ 1' (H231839-03)

BTEX 8021B	mg/kg Analyzed By: JH/								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	28.8	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	35.6	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

GRAYBURG EUMONT STRAWN BATTERY

 Project Number:
 03D2057063

 Project Location:
 32.5459-103.2054

Sampling Date: 04/17/2023

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH 02B @ 2' (H231839-04)

Project Name:

BTEX 8021B	mg/kg Analyzed By: JH/								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

GRAYBURG EUMONT STRAWN BATTERY

Project Name: GRAYBURG EUMOI Project Number: 03D2057063 Project Location: 32.5459-103.2054 Sampling Date: 04/17/2023
Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH 03A @ 1' (H231839-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

GRAYBURG EUMONT STRAWN BATTERY

Project Name: GRAYBURG EUMOI Project Number: 03D2057063 Project Location: 32.5459-103.2054 Sampling Date: 04/17/2023

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH 03B @ 2' (H231839-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

Project Name: GRAYBURG EUMONT STRAWN BATTERY

Project Number: 03D2057063

Project Location: 32.5459-103.2054

Sampling Date: 04/17/2023

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH 04A @ 1' (H231839-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



04/17/2023

Soil

Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Sampling Date:
Reported: 04/21/2023 Sampling Type:

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition: ** (See Notes)
Project Number: 03D2057063 Sample Received By: Tamara Oldaker

Project Location: 32.5459-103.2054

Sample ID: BH 04B @ 2' (H231839-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

GRAYBURG EUMONT STRAWN BATTERY

Project Number: 03D2057063 Project Location: 32.5459-103.2054

Sample ID: BH 05A @ 1' (H231839-09)

Project Name:

BTEX 8021B

Sampling Date: 04/17/2023

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

Analyzed By: JH/

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

Project Name: GRAYBURG EUMONT STRAWN BATTERY

Project Number: 03D2057063

Project Location: 32.5459-103.2054 Sampling Date: 04/17/2023

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: BH 05B @ 2' (H231839-10)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.97	98.7	2.00	2.01	
Toluene*	<0.050	0.050	04/20/2023	ND	2.09	105	2.00	2.18	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.09	104	2.00	1.36	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.50	108	6.00	0.170	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 :	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

04/21/2023 GRAYBURG EUMONT STRAWN BATTERY

Project Name: GRAYBURG EUN
Project Number: 03D2057063

Project Location: 32.5459-103.2054

Sampling Date: 04/17/2023

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH 06A @ 1' (H231839-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

GRAYBURG EUMONT STRAWN BATTERY

Project Name: GRAYBURG EUMOI Project Number: 03D2057063 Project Location: 32.5459-103.2054

 04/17/2023
 Sampling Date:
 04/17/2023

 04/21/2023
 Sampling Type:
 Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH 06B @ 2' (H231839-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	< 0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	< 0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



04/17/2023

Soil

Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Sampling Date:
Reported: 04/21/2023 Sampling Type:

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition: ** (See Notes)
Project Number: 03D2057063 Sample Received By: Tamara Oldaker

Project Location: 32.5459-103.2054

Sample ID: BH 07A @ 1' (H231839-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM KALEI JENNINGS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/17/2023 Reported: 04/21/2023

04/21/2023 Sampling T GRAYBURG EUMONT STRAWN BATTERY Sampling C

Project Name: GRAYBURG EUM
Project Number: 03D2057063
Project Location: 32 E450 103 208

Project Location: 32.5459-103.2054

Sampling Date: 04/17/2023

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH 07B @ 2' (H231839-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	163	81.6	200	0.510	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	191	95.5	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 8824

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Sampler - UPS - Bus - Other:	Relinquished By: Delivered By: (Circle One)	arrilyses. All claims including those for repligence and any other cause whatsoever shall be deemed waived unless made in writing and recovered by Cardinal be liable for incidental or ornesquential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, Relinquished By: Received By: Park Park	8 84048 621 9 854054 621 1245 9 854054 621 1245 PLEASE NOTE: Liability and Damagies. Cardinal's liability and claim arising whether based in contract or find shall be finished to the contract.	800 100 100 100 100 100 100 100 100 100	Lab I.D. San H231839	Project #: 93 9257 Project Name: 94 94 94 94 94 94 94 94 94 94 94 94 94	Address: 5127 Water City: 100 5000	Company Name: () (50)
0	Date: Time: Observed Temp. °C	d any other cause whatsoever shall be dutal or consequental damages, including veriformance of services hereunder by Ca	O 2	20000 124242	Sample I.D.	Fax #: RES Project Owner: RES 2054 RES 2054	State: NOW	mille
Cool Intact Cool Intact Yes Yes	ived	deemed waived unless made in writing and received by Cardinal within 30 days at without limitation, business interruptions, loss of use, or loss of profits incurred by cardinal regardless of whether such claim is based upon any of the above stated received By:	Gairn arising whether based in contract or for		G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	Maveribly our Balley	Zip: 88270	
(Initials)	1.0	wed by Cardinal within 30 days after fuse, or loss of profits incurred by cleded upon any of the above stated rea			OTHER:	Address: City: State: Zip: Phone #: Fax #:	P.O.#: A A Company:	BILL TO
Turnaround Time: Standard Thermometer ID #113	Mennings Cooks Temp 1	pplicable It:	7250	1050 X	SAMPLING THE TIME TO PH Chlori Chlori	des		
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes	Slank - 0.20	Add'l Phone #:						ANALYSIS REQUEST
	8						186	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

(Circle One) - Bus - Other:	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the service. An or event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substituties. Relinquished By:	12 8H018 15 8H018	Lab I.D. Sample I.D.	Project Name: 4000000000000000000000000000000000000	Address: Sill Not I Not	Project Manager:
Date: Received By: Time: Corrected Temp. °C & Cool III Corrected Temp. °C & Cool III No The Corrected Temp. °C & Cool II	d client's exclusive remedy for any claim arising whether be ther cause whatsoever shall be deemed waived unless mannesquental damages, including without limitation, business ance of services hereunder by Cardinal, regardless of whether the cause of which the cause of the cau	GF	D)RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER	of January Shamu	State: NM Zip: \$822	STANTON
Turnaround Time: Sample Condition CHECKED BY: Turnaround Time: Standard Bard Temp. °C Sample Condition Checked By: Turnaround Time: Standard Correction Factor -0.6°C Cool Initials Thermometer ID #113 Correction Factor -0.6°C Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	nedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the including without limitation, business interruptions, loss of use, or loss of profits incurred by cleart, its subsidiaries by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	OT ACCOMPANY ICE		City: State: Zip: Phone #: Fax #:	Company: Attn: Address:	P.O.#: \$\frac{\beta}{1}\$
Verbal Result:	pplicable	1305 X X X X X X X X X X X X X X X X X X X	TPH BITEX Chlore	205	7a - 2 \	
Add'l Phone #: vide Email address: WM - COM Factoria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C						ANALYSIS REQUEST
c c					- 12	



September 07, 2023

AIMEE COLE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: GRAYBURG EUMONT STRAWN BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/05/23 13:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Sampling Date: 09/05/2023 Reported: 09/07/2023 Sampling Type: Soil

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition:

Cool & Intact Project Number: 03D2057063 Sample Received By: Tamara Oldaker

Project Location: MAVERICK 32.5459-103.2054

Sample ID: BH 08 @ 1' (H234797-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	<0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	<0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	193	96.3	200	3.57	
DRO >C10-C28*	38.1	10.0	09/06/2023	ND	201	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Sample Received By:

09/05/2023

Tamara Oldaker

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Sampling Date:

Reported: 09/07/2023 Sampling Type: Soil
Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition: Cool & Intact

Project Number: 03D2057063

Project Location: MAVERICK 32.5459-103.2054

Sample ID: BH 08A @ 2' (H234797-02)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	<0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	<0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	193	96.3	200	3.57	
DRO >C10-C28*	<10.0	10.0	09/06/2023	ND	201	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						

Analyzed By: JH

Cardinal Laboratories

108 %

49.1-148

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Surrogate: 1-Chlorooctadecane



09/05/2023

Soil

Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Reported:

Sampling Date: 09/07/2023 Sampling Type:

Project Name: GRAYBURG EUMONT STRAWN BATTERY

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Number: 03D2057063

Project Location: MAVERICK 32.5459-103.2054

Sample ID: BH 09 @ 1' (H234797-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	<0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	<0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	193	96.3	200	3.57	
DRO >C10-C28*	<10.0	10.0	09/06/2023	ND	201	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Reported:

09/07/2023 Sampling Type: GRAYBURG EUMONT STRAWN BATTERY

Sampling Date:

Project Name: Project Number: 03D2057063

Project Location: MAVERICK 32.5459-103.2054

Soil Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

09/05/2023

Sample ID: BH 09A @ 2' (H234797-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	<0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	<0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	193	96.3	200	3.57	
DRO >C10-C28*	<10.0	10.0	09/06/2023	ND	201	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Reported: 09/07/2023

GRAYBURG EUMONT STRAWN BATTERY

Project Number: 03D2057063

Project Location: MAVERICK 32.5459-103.2054

Sampling Date: 09/05/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BH 10 @ 1' (H234797-05)

Project Name:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	<0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	< 0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	191	95.7	200	0.230	
DRO >C10-C28*	88.3	10.0	09/06/2023	ND	188	94.2	200	0.899	
EXT DRO >C28-C36	47.1	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client; subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Sampling Date: 09/05/2023

Reported: 09/07/2023 Sampling Type: Soil

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: 03D2057063 Tamara Oldaker

Project Location: MAVERICK 32.5459-103.2054

Sample ID: BH 10A @ 2' (H234797-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	< 0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	<0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	191	95.7	200	0.230	
DRO >C10-C28*	<10.0	10.0	09/06/2023	ND	188	94.2	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Sampling Date: 09/05/2023

Reported: 09/07/2023 Sampling Type: Soil

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition: Cool & Intact Project Number: 03D2057063 Sample Received By: Tamara Oldaker

Project Location: MAVERICK 32.5459-103.2054

Sample ID: BH 11 @ 1' (H234797-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	<0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	<0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	191	95.7	200	0.230	
DRO >C10-C28*	102	10.0	09/06/2023	ND	188	94.2	200	0.899	
EXT DRO >C28-C36	74.0	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	81.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	'8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

ENSOLUM AIMEE COLE 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/05/2023 Sampling Date: 09/05/2023

Reported: 09/07/2023 Sampling Type: Soil

Project Name: GRAYBURG EUMONT STRAWN BATTERY Sampling Condition: Cool & Intact
Project Number: 03D2057063 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: MAVERICK 32.5459-103.2054

Sample ID: BH 11A @ 2' (H234797-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2023	ND	1.99	99.4	2.00	1.89	
Toluene*	<0.050	0.050	09/06/2023	ND	2.24	112	2.00	3.12	
Ethylbenzene*	<0.050	0.050	09/06/2023	ND	2.27	113	2.00	5.06	
Total Xylenes*	<0.150	0.150	09/06/2023	ND	6.60	110	6.00	4.21	
Total BTEX	<0.300	0.300	09/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	191	95.7	200	0.230	
DRO >C10-C28*	<10.0	10.0	09/06/2023	ND	188	94.2	200	0.899	
EXT DRO >C28-C36	<10.0	10.0	09/06/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

CHAIN-OF CUSTODY AND ANALYSIS REQUEST



Bally Name: Cassalum LLC State: N/M Zip: 1932D Ann: Manager: Alvae Did Address: Zip: Announce Did Announce	Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Rush Pres Yes No No Corrected Temp. °C	Observed Temp. °C 4// Sample Continuon Cool Intract Tyes Tyes	Delivered By: (Circ
Bary Name: Existy. C.C. State: NAME: State: NAME: State: NAME: TO State: NAME: State: NAME: State: NAME: State: NAME: State: NAME:	re emailed. Please provide Email address: Ole Chestum. On, Intomata @ ensolum.		
BTEX	re emailed. Please provide Email address:	Time: 331	Relinquished By:
Damy Name: Ensolum LLC ess: 3122 Naxional Raules Houre Cole ess: 3122 Naxional Raules Houre Company: company: ess: 3122 Naxional Raules Houre Company: ess: 3122 Naxional Raules Houre Company: company: ess: 3122 Naxional Raules Houre Company: es	- No	uit of or related to the performance of services hereunder . Cardinal, regardless of whether such claim is based upon any of the above out of or related to the performance of services hereunder . Cardinal, regardless of whether such claim is based upon any of the above. Received By:	service. In no event shall Cardin affiliates or successors arising ou Relinquished By:
Damy Name: Ensury LCC BALL TO Company: Bes: 3122 Navibud Rivin Hung State: NM Zip: Y8220 Atm: Anne Cole Company: Bet Name: Grayhag State: NM Zip: Y8220 Atm: Anne Cole Ball TO 3904 7365 Fax #: Ball TO 3904 7	to the amount paid by the eleient for une within 30 days after completion of the applicable within 30 days after completion of the applicable rofits incurred by client, its subsidiaries,	amages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the an amages. Cardinal's liability and client's exclusive remedy for any claim awithin 30 nose for negligence and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 nose for negligence and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 nose for negligence and any other cause what are removed in the first of the state of	PLEASE NOTE: Liability and Da analyses. All claims including the
BILL TO Darry Name: Exably LCC East: 3/22 No. Alby Paylor Paylo			
BILL TO BANDAM LCC BANDAM COLO State: NAMAN PAUL HOUSE BEST TO 384-7365 Fax #: Collybrad State: NM Zip: 18220 Afth: Andress: Bet # 720-384-7365 Fax #: Collybrad State: NM Zip: 18220 Afth: Andress: Bet # 0302057063 Project Owner: Maxwell A City: Bet Name: Conghung Summy Sum		HIME Z'	œ
Damy Name: Enschum LLC BILL TO Bany Name: Enschum LLC State: Name: State: Name State: Name: State: Name:	£		~
Damy Name: Ensoym LLC BILL TO BATCH State: NA Zip: 78220 Attn: Ame Ole State: Zip: Power of the State: Zip: BATTON	1136	10AB	2.0
Dany Name: Endy M. LC State: Alvae Ste State: NM Zip: 78220 Attn: Ange Ste Company: 10 - 384-7365 Fax #: 10 - 3705-71063 Project Owner: Manage: Attn: Ange Ste 10 - 3705-71063 Project Owner: Manage: Attn: Ange Ste 10 - 384-7365 Fax #:			1 2
BILL TO PO.#: CIT Manager: Almae Cale State: NIM Zip: 18220 Attn: Almae Cale State: NIM Zip: 18220 Attn: Almae Cale State: NIM Zip: 18220 Attn: Almae Cale State: O37205 70.03 Project Owner: Monage Cal Bet Location: 32.5 459, -103, 2054. Phone #: Pler Name: Consulting Europh Manage Cale State: Zip: Phone #: Fax #: #:	1010		
Dany Name: Ensolym LLC P.O.# Company: Aprob Cole Carlshad State: NIM Zip: 78220 Attn: Aprob Cole State: NIM Zip: 78220 Attn: Aprob Cole Res: 3/22 Naxibus Poslet Owner: Mondo Cole Res: 720-384-736-5 Fax #: Ret # 0-2705-7706-3 Project Owner: Mondo City: Ret Location: 32 S 4 59 -103, 2054. Phone #: Pler Name: Company: Address: Ret Location: 32 S 4 59 -103, 2054. Phone #: Pler Name: Company: Attn: Aprob Cole Ret Location: 32 S 4 59 -103, 2054. Phone #: Phone #: Fax #: Fa	000	100	>>-
pany Name: Ensolum LLC state: Almae Stee: Alma How State: NM Zip: 18220 Attn: Americal Company: pet: 720-384-734.5 Fax #: pet: 720-384-734.5 Fax #: pet: 13205-7043 Project Owner: March City: pet Name: Charloud Eumort Strung Battel State: Zip: phone #: pler Name: Company: phone #: presserv Sampling p	1017 X +	8 * * * * * * * * * * * * * * * * * *	473414.1
pany Name: Ensbyrn LLC ct Manager: Ange Sie ess: 3122 Naxional Rylus Hay ess: 3122 Naxional Rylus Hay ess: 3122 Naxional Rylus Hay est: 030057003 Frax #: Monte Rylus Address: pet #: 030057003 Project Owner: Monte Rylus City: ect Name: Grayburg Eumont Straum Bantoly est Location: 32.5459 -103, 2054. Phone #: pler Name: Long Hayd phone #: Fax #: Phone #: Fax #: Phone #: Fax #: Phone #: Fax #: OB NATRIX PRESERV. SAMPLING DE NATRIX	TIME	SOIL OTHI	1
pany Name: Ensolum CLC cot Manager: Africa Gle ess: 3/22 Naxional Paylos How ess: 3/22 Naxional Paylos How company: compa	J -	B OR (C)ONTAINERS JINDWATE FEWATER OGE ER: //BASE: COOL	Lab I.D.
pany Name: Ensolum LLC pot Manager: Almae Gle ct Manager: Almae Gle ct Manager: Almae Gle state: N.M. zip: 78220 Attn: Almae Gle ess: 3 22 Naxional Raylus How state: N.M. zip: 78220 Attn: Almae Gle pet #: 720-384-7365 Fax #: pet #: 0302057063 Project Owner: Manager dx City: set Name: Grayburg Eumont Strawn Battery pet Location: 32. 5459 -103, 2054, Phone #: pet Location: 32. 5459 -103, 2054, Fax #: pet Name: Company: pet Name: Raylor City: pet Name: Raylor Hundle Fax #: pet Name: Raylor City: pet		MATRIX PRESERV.	FOR LAB USE ONLY
pany Name: Ensolum LLC pot Manager: Ange Gle cst Manager: Ange Gle ess: 3 22 Naxbrul Paylus Howy state: NM zip: 78220 Attn: Ange Obe e#: 726-384-7365 Fax#: act #: 030257063 Project Owner: Managerich City: act Name: Grayburg Furnort Strawn Bartony Phone #: Pro. #: Company: State: Zip: Phone #:	SAMPING	Fax #:	Sampler Name:
pany Name: Ensolum CLC pot Manager: Athree Gle cst Manager: Athree Gle cst Manager: Athree Gle state: NM zip: 78220 Attn: Amee Gle et #: 720-384-7365 Fax #: act #: 0302057063 Project Owner: Manager du City: act Name: Gradhula Fumont Straun Batton State: Zip:		5459 -103, 2054.	9
pany Name: Ensolum LLC pot Manager: Almae Sile ess: 3122 Nambrul Paylus Hay state: NIM zip: 78220 Attn: Almae Oile ne #: 720-384-7365 Fax #: act #: 032057063 Project Owner: Managerich City:	Zip:	a Eumont Strawn Battery State:	me: (
pany Name: Ensphys LLC P.O. #: Cot Manager: Athee Gle ess: 3/22 Naxbrul Paylus Hwy State: NM zip: 38220 Attn: Amee Cole te #: 720-384-7365 Fax #: Address:		7003 Project Owner: Maw en de City:	CEO ::
pany Name: Ensolum LLC p.o. #: pro. #:		84-7365 Fax#:	ne#: 776-
Name: Ensolum LLC Inager: Almae Cole 3122 Naxional Paylos Howy Company:	ee we	State: NM Zip: 88200 Attn:	E
Ensolum LLC P.O.# P.O.#		Nasibrul Payles How	
BILL TO		G/e	
	L TO	TC BILL	

CHAIN-OF CUSTODY AND ANALYSIS REQUEST



101 8	101 East Marland, Hobbs, NN 66240	, c			
-	(575) 393-2326 FAX (973) 393-2410		BILL TO	ANALYSIS	REQUEST
ompany Name.	Troop Cale		P.O. #:		7
	National Parks Hay		Company:		
0	State:	NM Zip: 88270	Attn: Ancelale		
e#: 720	4-7305 Fax #:		Address:		
	03D2057063 Project Owner:	Moverich	City:		
7	2	Britary	State: Zip:		
Head.	59, -10	J. (Phone #:		
	in Hillian				
ampier Name:	SAMI IMPS	MATRIX	PRESERV. SAMPLING	NG	
Lab I.D.	Sample I.D.	AB OR (C)OMP. ONTAINERS OUNDWATER STEWATER L OUDGE	HER:	TPH CI- BTEX Hold	
LUTECH	0100000	GF W/ × SC	AC × IC	1/30 X X X	
	SHOODS	- 6		1 26 1	
. //	8H11B@31	•	K	11 23 4 4 4	
PLEASE NOTE: Liability and Dan	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or too, that the limited to the amount paid by the client for the publicable place.	ny claim arising whether based in contri deerned waived unless made in writing	act or tort, shall be limited to the amount paid and received by Cardinal within 30 days after	by the client for the completion of the applicable completion of the applicable contributions.	
analyses. All claims including und service. In no event shall Cardina	analyses. All claims including unseron registering the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by years, as service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss or points included by the consequential damages, including without limitation, business interruptions, loss of use, or loss of use, or loss or loss or loss of use, or loss of	without limitation, business interruption ardinal, regardless of whether such cla	rg without limitation, business interruptions, loss of use, or loss of profile incurred by verified or other cases or other ca	sons or otherwise.	*
affiliates or successors arising out Relinquished By:	Relinquished By: Pate: 33	Received By:	The state of the s	re emailed. Please provid	Alarma Densolum con
Relinquished By:	Date:	Received By:	" Army	REMARKS:	
	Time:			Standard	Bacteria (only) Sample Condition
Delivered By: (Circle One)		Sample Condition Cool Intact Cyes Tyes	CHECKED BY:	Thermometer ID #140	Cool Intact Observed Temp. °C Yes Yes Orrected Temp. °C
Compler IIDS - Rus - Other:	- Other: Corrected lemp. C		<'',		



APPENDIX E

NMOCD Notifications

From: Enviro, OCD, EMNRD
To: Kalei Jennings

Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD

Subject: RE: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 3/20/2023)

Date: Thursday, March 16, 2023 10:16:44 AM

Attachments: imaqe005.jpq imaqe006.pnq

image000.png image008.png image009.png

[**EXTERNAL EMAIL**]

Kalei,

Kalei,

Thank you for the notification. The notification requirement is two full business days which for sampling on Monday would be at the lates at the end of the workday on Wednesday. If you can please provide specific times and dates of sampling in all future communications also, please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you for your cooperation.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Kalei Jennings <kjennings@ensolum.com>

Sent: Thursday, March 16, 2023 7:29 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 3/20/2023)

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

All,

Maverick Permian, LLC (Maverick) plans to complete sampling activities at the following sites the week of March 20, 2023.

- SEMU Permian 37 / NAPP2305453661
- EVGSAU 2963-001/ NAPP2235371799
- Grayburg Eumont Straw Battery/ NAPP2302036818
- MCA 351/ NAPP2302034681
- MCA 254/ NAPP2302035947
- MCA 400/NAPP2305455050

Thank you,



From: <u>Harimon, Jocelyn, EMNRD</u>

To: Kalei Jennings

Subject: FW: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 4/10/2023)

Date: Monday, April 10, 2023 9:03:23 AM

Attachments: image005.jpg

image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Kalei,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JΗ

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Enviro, OCD, EMNRD

Sent: Monday, April 10, 2023 10:02 AM

To: Nobui, Jennifer, EMNRD < <u>Jennifer.Nobui@emnrd.nm.gov</u>>; Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>

Subject: FW: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 4/10/2023)

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http://www.emnrd.nm.gov



From: Kalei Jennings < <u>kiennings@ensolum.com</u>>

Sent: Friday, April 7, 2023 1:13 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Maverick Permian - Sampling Notification (Week of 4/10/2023)

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

All.

Maverick Permian, LLC (Maverick) plans to complete sampling activities at the following site the week of April 10, 2023.

- Grayburg Eumont Straw Battery/ NAPP2302036818
 - Sampling Date: 4/12/2023 & 4/13/2023
- MCA 254/ NAPP2302035947
 - Sampling Date: 4/12/2023 4/14/2023
- EVGSAU 2418-001 / NAPP2231954757
 - Sampling Date: 4/13/2023
- EVGSAU 2963-001/ NAPP2235371799
 - Sampling Date: 4/14/2023
- MCA 151 / NAPP2235377174
 - Sampling Date: 4/14/2023
- Leamex 018/ NAPP2234158858
 - Sampling Date: 4/13/2023 & 4/14/2023

Thank you,



Kalei Jennings Senior Scientist 817-683-2503 Ensolum, LLC Attachments:

From: Wells, Shelly, EMNRD

To: <u>Aimee Cole</u>

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Maverick - Sampling Notification (Week of 9/4/2023)

Date: Wednesday, August 30, 2023 2:02:54 PM

image001.pnq image002.pnq image003.pnq image004.pnq

[**EXTERNAL EMAIL**]

Good afternoon Aimee,

The OCD has received your notification. When reporting sampling at multiple locations it is required to provide the date and time for each location. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 | Shelly Wells@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Aimee Cole <acole@ensolum.com>
Sent: Wednesday, August 30, 2023 2:28 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Maverick - Sampling Notification (Week of 9/4/2023)

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

Maverick Permian, LLC plans to complete sampling activities at the following sites the week of September 4, 2023.

- MCA 409 Flowline/ NAPP2318846991
 - Sampling Date: 9/5/2023
- ABO 3 Battery / nAPP2314448299
 - Sampling Date: 9/5/2023

- Grayburg Eumont Strawn Battery / NAPP2302036818
 - Sampling Date: 9/6/2023
- MCA 301 / NAPP2307558601
 - Sampling Dates: 9/5/2023 9/8/2023

Thank you,



Aimee Cole Senior Managing Scientist 720-384-7365 Ensolum, LLC

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**

QUESTIONS

Action 322507

QUESTIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	322507
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2302036818
Incident Name	NAPP2302036818 GRAYBURG EUMONT STRAWN BATTERY @ 0
Incident Type	Other
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GRAYBURG EUMONT STRAWN BATTERY
Date Release Discovered	01/05/2023
Surface Owner	Private

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	Cause: Equipment Failure Production Tank Crude Oil Released: 20 BBL Recovered: 20 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Production Tank Produced Water Released: 15 BBL Recovered: 10 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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.

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

<u>District II</u> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

<u>District III</u> 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

QUESTIONS, Page 2

Action 322507

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	322507
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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.	

nitial 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: Aimee Cole Email: acole@ensolum.com Date: 03/12/2024
--	--

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**

QUESTIONS, Page 3

Action 322507

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	322507
	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 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Attached Document	
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	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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 ½ and 1 (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	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 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 provid	led 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 contami	ination 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)	128	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	628	
GRO+DRO (EPA SW-846 Method 8015M)	316	
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 03/23/2023		
On what date will (or did) the final sampling or liner inspection occur	09/05/2023	
On what date will (or was) the remediation complete(d)	03/23/2023	
What is the estimated surface area (in square feet) that will be reclaimed	3000	
What is the estimated volume (in cubic yards) that will be reclaimed	115	
What is the estimated surface area (in square feet) that will be remediated	4000	
What is the estimated volume (in cubic yards) that will be remediated	150	
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 adjuste	ed 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.

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

<u>District II</u> 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

QUESTIONS, Page 4

Action 322507

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	322507
	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	R360 Artesia LLC LANDFARM [fEEM0112340644]
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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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 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: Aimee Cole Email: acole@ensolum.com Date: 03/12/2024

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.

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**

QUESTIONS, Page 5

Action 322507

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	322507
	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

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 **District II**

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

QUESTIONS, Page 6

Action 322507

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	322507
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	322537
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2023
What was the (estimated) number of samples that were to be gathered	22
What was the sampling surface area in square feet	4000

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	emediation 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	4000
What was the total volume (cubic yards) remediated	150
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	3000
What was the total volume (in cubic yards) reclaimed	115
Summarize any additional remediation activities not included by answers (above)	The soil remaining in-place above reclamation requirements (but below the Site Closure Criteria) is located in an area of active production equipment. Final reclamation of the areas around boreholes BH01, BH02, and BH10 will be completed during final abandonment of the facility.

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: Aimee Cole
Email: acole@ensolum.com
Date: 03/12/2024

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**

QUESTIONS, Page 7

Action 322507

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900 Houston, TX 77002	Action Number: 322507
	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

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 322507

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC 1000 Main Street, Suite 2900	331199
	Action Number:
Houston, TX 77002	322507
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By		Condition Date
scwells	None	3/14/2024