

1R-427-406

REPORTS

DATE:

3-15-13

1R427-406

EME H-9 EOL

2012

DISCLOSURE

RECEIVED

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

APR 2 2013

BOX LOCATION							Conservation Division		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS FEET		
Eunice Monument Eumont (EME)	H-9 EOL	H	9	21S	36E	Lea	Length	Width	Depth
							Eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck Estates OTHER _____

Depth to Groundwater 198 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 5/31/2012 Date Completed 6/25/2012 OCD Witness No

Soil Excavated 277.8 cubic yards Excavation Length 25 Width 25 Depth 12 feet

Soil Disposed 396 cubic yards Offsite Facility Sundance Services, Inc. Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 6/19/2012 Sample Depth 12'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.		<10.0	<10.0	608
BOTTOM COMP.		<10.0	<10.0	832
BLENDED BACKFILL		<10.0	17.7	400

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
background	6"	150
4-WALL Comp	n/a	584
Bottom Comp	12'	785
Vertical delineation trench at 10' E of the former junction (source)	4'	897
	6'	721
	8'	1124
	12'	1612

General Description of Remedial Action: This junction box and line were eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals, producing a 25 x 25 x 12 ft deep excavation. Chloride field tests performed on soil samples did not decrease with depth. The excavated soil was blended on site and representative composite samples of the excavation bottom, the excavation walls, and the blended backfill were sent to a commercial laboratory for analysis of chloride and TPH. A total of 396 yards of blended backfill (all excavated soil) was transported to a NMOCD approved disposal facility. On 6/22/2012, a 20-mil reinforced plastic liner was installed at 12 ft. BGS. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 7/18/2012, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 1/30/2013.

ADDITIONAL EVALUATION IS LOW PRIORITY

Enclosures: site location map, photos, laboratory analysis, cross-section diagram, chloride graph, revegetation form

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

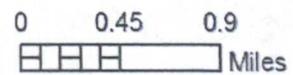
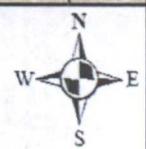
REPORT ASSEMBLED BY Laura Peña SIGNATURE *Laura Peña* COMPANY Rice Operating
 SITE SUPERVISOR Dustin Yarbrough SIGNATURE Not Available COMPANY Rice Environmental Consulting & Safety
 PROJECT LEADER Zach Conder SIGNATURE *Zach Conder* DATE 3-15-13

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.



EME H-9 EOL

UL/H SECTION 9
T-21-S R-36-E
LEA COUNTY, NM



Drawing date: 11/7/12
Drafted by: Tony Grieco

EME H-9 EOL

UL/H Sec. 9 (T21S-R36E)



Excavating site

5/31/2012



Collecting sample

6/15/2012



Installing 25'x25' liner at 12' bgs

6/22/2012



Importing soil

6/25/2012



Backfilling site above liner

6/25/2012



Seeding site

7/18/2012



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 22, 2012

ZACH CONDER

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: EME H-9 EOL

Enclosed are the results of analyses for samples received by the laboratory on 06/19/12 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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)

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, prominent "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager

COPY

Analytical Results For:

 Rice Operating Company
 ZACH CONDER
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	06/19/2012	Sampling Date:	06/19/2012
Reported:	06/22/2012	Sampling Type:	Soil
Project Name:	EME H-9 EOL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 4 WALL COMP (H201396-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/21/2012	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/21/2012	ND	179	89.5	200	0.934		
DRO >C10-C28	<10.0	10.0	06/21/2012	ND	184	91.8	200	0.237		

Surrogate: 1-Chlorooctane 94.3 % 65.2-140
 Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Sample ID: 5 PT BTM COMP (H201396-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	06/21/2012	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/21/2012	ND	179	89.5	200	0.934		
DRO >C10-C28	<10.0	10.0	06/21/2012	ND	184	91.8	200	0.237		

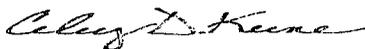
Surrogate: 1-Chlorooctane 68.0 % 65.2-140
 Surrogate: 1-Chlorooctadecane 75.8 % 63.6-154

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Rice Operating Company
 ZACH CONDER
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	06/19/2012	Sampling Date:	06/19/2012
Reported:	06/22/2012	Sampling Type:	Soil
Project Name:	EME H-9 EOL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 8 PT BLENDED SPOIL PILE (H201396-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	06/21/2012	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/21/2012	ND	179	89.5	200	0.934		
DRO >C10-C28	17.7	10.0	06/21/2012	ND	184	91.8	200	0.237		

Surrogate: 1-Chlorooctane 94.4 % 65.2-140

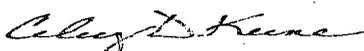
Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

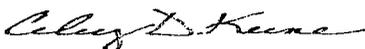
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RICE Operating		BILL TO		ANALYSIS REQUEST																					
Project Manager: Zach Conder		P.O. #:		<table border="1"> <tr><td>Chlorides</td></tr> <tr><td>TPH 8015 M</td></tr> <tr><td>BTEX</td></tr> <tr><td>Texas TPH</td></tr> <tr><td>Complete Cations/Anions</td></tr> <tr><td>TDS</td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> </table>										Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS						
Chlorides																									
TPH 8015 M																									
BTEX																									
Texas TPH																									
Complete Cations/Anions																									
TDS																									
Address: 112 W. Taylor		Company:																							
City: Hobbs State: NM Zip: 88240		Attn:																							
Phone #: Fax #:		Address:																							
Project #: Project Owner:		City:																							
Project Name:		State: Zip:																							
Project Location: EME H-9 EOL		Phone #:																							
Sampler Name: Dusty Garbrough		Fax #:																							

FOR LAB USE ONLY		# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME										
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:												
H2013910		1			/				/		6-19	2:40	/										
1	4 Wall Comp	1			/				/		6-19	2:45	/										
2	5 FT. BOTTOM Comp.	1			/				/		6-19	2:50	/										
3	8 FT. Blended Spill Pile	1			/				/		6-19	2:50	/										

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Relinquished By: <i>[Signature]</i>	Date: 6-19-12	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 5:00	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time:	Sample Condition	REMARKS:	
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>	email results	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Zconder@rice-ecs.com; Bbaker@rice-ecs.com;	
		<input type="checkbox"/> No <input type="checkbox"/> No	hconder@rice-ecs.com; Lweinheimer@rice-ecs.com;	
		CHECKED BY: <i>[Signature]</i>	kjones@riceswd.com; dwgarbrough@rice-ecs.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

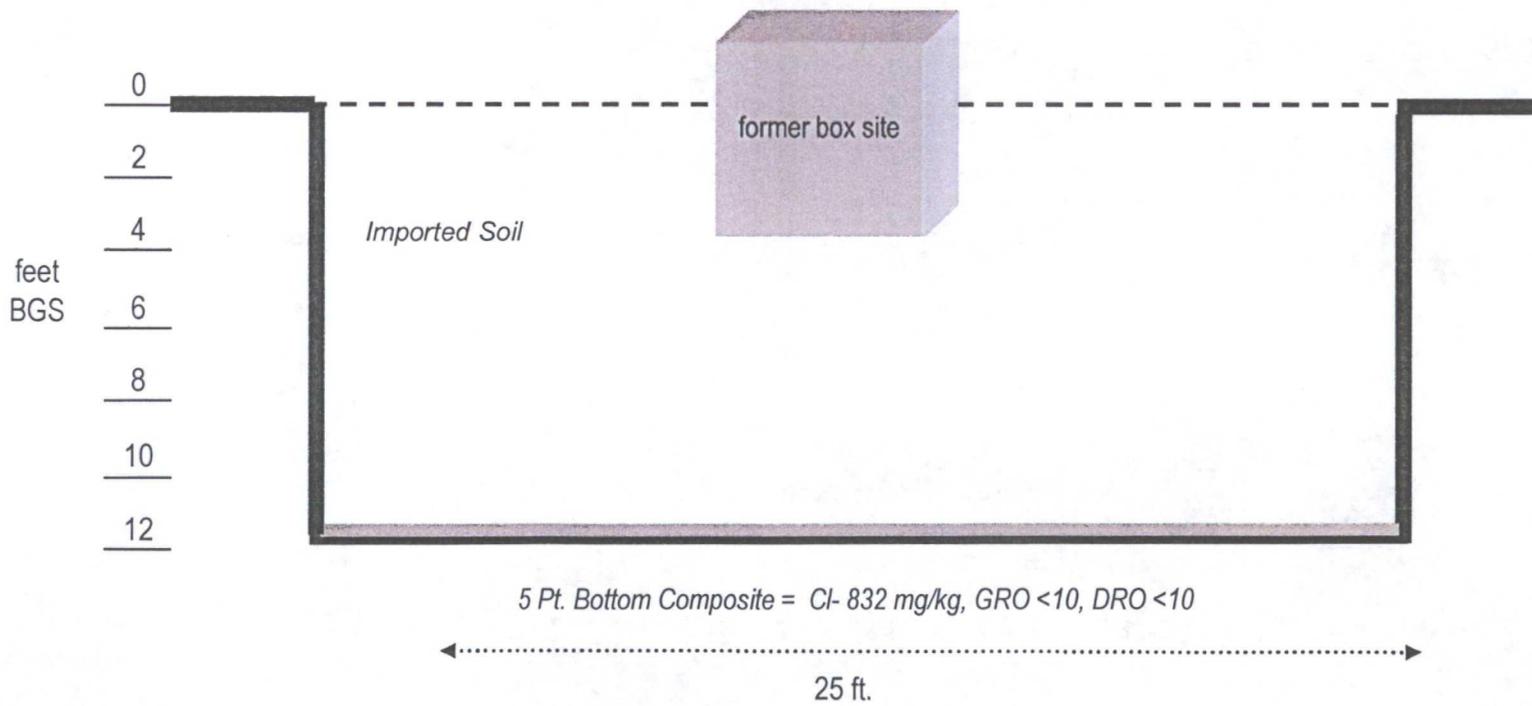
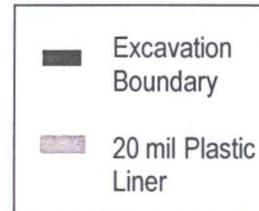
#26

EME H-9 EOL
Unit 'H', Sec. 9, T21S, R36E

Excavation Cross-Section

N

S



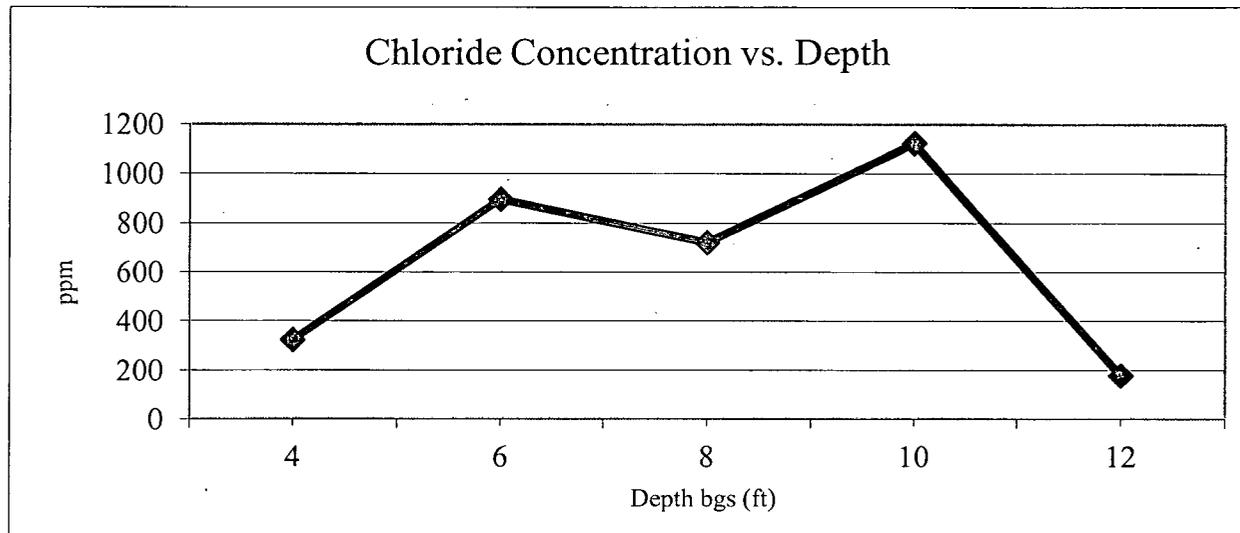
EME H-9 EOL

Unit 'H', Sec. 9, T21S, R36E

Backhoe samples at 10'E of the junction (source)

Depth bgs (ft)	[Cl], ppm
4	324
6	897
8	721
10	1124
12	178

Groundwater = 198 ft





PO Box 5630
 Hobbs, NM 88241
 Phone: (575) 393-4411
 Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name EME H-9 EOL						
U/L H	Section 9	Township 21S	Range 36E	County Lea	Latitude 32°29'36.5" N	Longitude 103°15'55.3" W
Contact Name: Zach Conder						
Email: zconder@rice-ecs.com						
Site size: 4000 square feet			Map detail of site attached <input type="checkbox"/>			
Additional information:						

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input checked="" type="checkbox"/>	Blended <input checked="" type="checkbox"/>	Depth (in):
Texture: Sandy	Describe soil & subsoil: Sandy soils and caliche			
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 6/25/2012				

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:	Describe:	
Lbs/acre:		

4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 1 lb. Blue Grama and 1 lb. Side Oats	Seeding date: 7/18/2012
Broadcast <input checked="" type="checkbox"/>			
Method: Hand broadcast			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input type="checkbox"/>	Observations:		
Number of photos:			

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Dustin Yarbrough	Title: Environmental Tech	Date: 7/18/2012
Signature: Not Available		

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