

1R - 427-371

REPORTS

DATE:

4-9-12

1R427-371

RECEIVED OGD

2012 MAY -1 P 1:51

EME E-30 EOL
2011

CLOSURE

RICE *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

May 1, 2012

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: Termination Request
EME E-30 EOL: UL/E, Sec. 30, T19S, R37E
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the EME Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background

In 2011, ROC initiated work on the former E-30 EOL junction box. The site is located in UL/E, Sec. 30, T19S, R37E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 25 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 6x2x8-ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in low concentrations of each. The 8-ft sample was sent to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of <16 mg/kg, and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The excavated soil was returned to the excavation. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 1/24/2011, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. The junction box final report, laboratory analysis, photo documentation, PID sheet, and chloride graph are attached.

Recommendations

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD

standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,
RICE Operating Company

A handwritten signature in black ink, appearing to read "H. Conder", with a long horizontal flourish extending to the right.

Hack Conder
Environmental Manager

enclosures

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Eunice Monument Eumont (EME)	E-30 EOL	E	30	19S	37E	Lea	Eliminated		

LAND TYPE: BLM ___ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 25 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 1/24/2011 Date Completed 1/24/2011 OCD Witness No

Soil Excavated 3.6 cubic yards Excavation Length 6 Width 2 Depth 8 feet

Soil Disposed None cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 1/24/2011 Sample Depth 8'

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
SOURCE 8' GRAB	0.7	<10.0	<10.0	<16

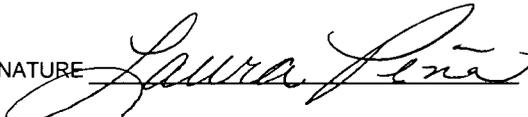
CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
background	6"	111
vertical delineation trench at the junction (source)	4'	56
	5'	117
	6'	120
	7'	118
	8'	116

General Description of Remedial Action: This junction 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 creating a 6X2X8-ft. deep excavation. Chloride field tests performed on each sample yielded concentrations similar to that of the background sample. Organic vapors were measured using a PID, which yielded low concentrations. The deepest sample, 8 ft. BGS, was sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations of each. The excavation was backfilled with excavated soil. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 1/24/2011, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

enclosures: photos, lab results, PID (field) screenings, chloride graph

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

SITE SUPERVISOR John Harrison SIGNATURE signature not available

REPORT ASSEMBLED BY Laura Peña SIGNATURE  COMPANY RICE OPERATING COMPANY

PROJECT LEADER Larry Bruce Baker, Jr. SIGNATURE  DATE 4-9-12

EME E-30 EOL

Unit E, Section 30, T19S, R37E



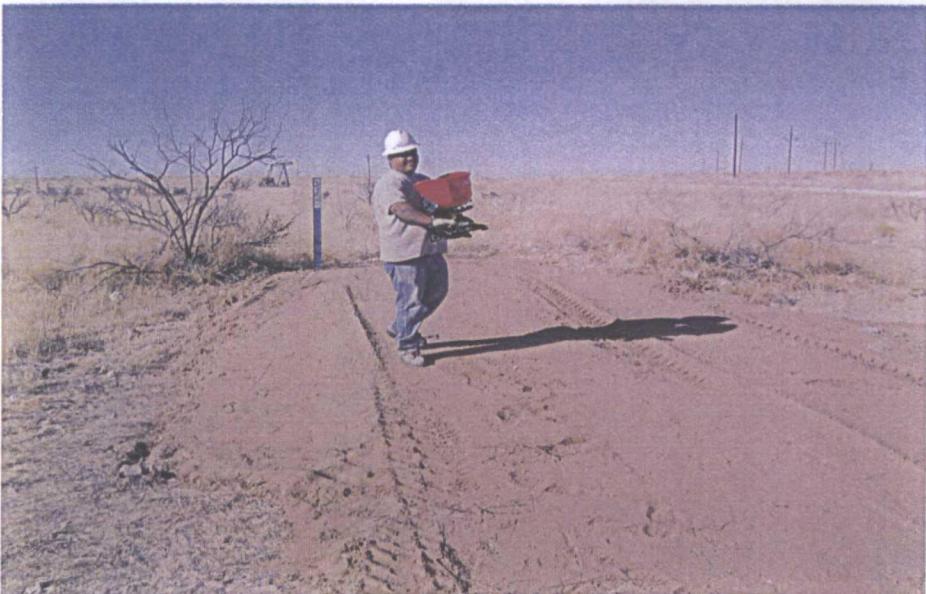
Sampling delineation trench, facing northwest

1/24/2011



Backfilling with clean imported soil, facing north

1/24/2011



Seeding location, facing west

1/24/2011



Site Complete, facing northwest

1/24/2011

January 27, 2011

Bruce Baker
Rice Operating Company
112 W. Taylor
Hobbs, NM 88240

RE: EME E-30 EOL (19/37)

Enclosed are the results of analyses for samples received by the laboratory on 01/24/11 16:10.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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,



Celey D. Keene
Lab Director/Quality Manager

COPY

Analytical Results For:

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

Received:	01/24/2011	Sampling Date:	01/24/2011
Reported:	01/27/2011	Sampling Type:	Soil
Project Name:	EME E-30 EOL (19/37)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SOURCE @ 8' (H100166-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/26/2011	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/26/2011	ND	229	91.6	250	4.27		
DRO >C10-C28	<10.0	10.0	01/26/2011	ND	210	84.2	250	3.64		

Surrogate: 1-Chlorooctane 101 % 70-130
 Surrogate: 1-Chlorooctadecane 109 % 70-130

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Cardinal Laboratories

*=Accredited Analyte

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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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: RICE		BILL TO		ANALYSIS REQUEST																					
Project Manager: BRUCE BAKER		P.O. #:																							
Address:		Company:																							
City:	State:	Zip:	Attn:																						
Phone #:	Fax #:	Address:																							
Project #:	Project Owner:		City:																						
Project Name: EME F-30 EOL 19.37			State:	Zip:																					
Project Location:			Phone #:																						
Sampler Name: HARRISON			Fax #:																						
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(GRAB OR C/COMP)	# CONTAINERS	MATRIX			PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME												
H1001661	SOURCE @ 8'	G	1			✓			✓			11:30	1/24/11	TPH	CHLORIDE										
COPY																									

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1/24/11	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 4:10		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email	
	Time:		631-8909-BERT	
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
<input checked="" type="checkbox"/> UPS - <input type="checkbox"/> Bus - <input type="checkbox"/> Other:	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	JB		
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
 PHONE: (575) 393-9174 FAX: (575) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

Check Model Number:

<input type="checkbox"/>	Model: PGM 7300	Serial No: 590-000183	<input type="checkbox"/>	Model: PGM 7600	Serial No: 110-023920
<input checked="" type="checkbox"/>	Model: PGM 7300	Serial No: 590-000508	<input type="checkbox"/>	Model: PGM 7600	Serial No: 110-013744
<input type="checkbox"/>	Model: PGM 7300	Serial No: 590-000504	<input type="checkbox"/>	Model: PGM 7600	Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 930737	EXPIRATION DATE: 6-16-2013
FILL DATE:	METER READING ACCURACY: 100PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	E-30 EOL	E	30	19S	37E

SAMPLE ID	PID	SAMPLE ID	PID
SOURCE @ 4'	3.4		
SOURCE @ 5'	2		
SOURCE @ 6'	0.9		
SOURCE @ 7'	0.8		
SOURCE @ 8'	0.7		
BACKGROUND	2.2		

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATUE: John R. Harrison

DATE: 1/24/2011

EME E-30 EOL

Unit 'E', Sec. 30, T19S, R37E

Backhoe samples at junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
4	56
5	117
6	120
7	118
8	116

Groundwater = 25 ft

