

1R - 427-364

# REPORTS

DATE:

4-17-12

1R427-364

RECEIVED OCD

2012 MAY -1 P 1:50

EME I-7 EOL  
2011

DISCLOSURE

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	I-7 EOL	I	7	19S	37E	Lea	Length	Width	Depth
							Eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 35 feet NMOCD SITE ASSESSMENT RANKING SCORE: 40\*\*

Date Started 2/15/2011 Date Completed 5/12/2011 OCD Witness No

Soil Excavated 44.4 cubic yards Excavation Length 10 Width 10 Depth 12 feet

Soil Disposed 96 cubic yards Offsite Facility C & C Landfarm Location Monument, NM

**FINAL ANALYTICAL RESULTS:** Sample Date 3/23/2011 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.	1.7	<10.0	144	496
BOTTOM COMP.	2.1	<10.0	46.8	48
BLENDED BACKFILL	0.2	<50.0	276	112

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
background	6"	145
4-WALL Comp	n/a	233
Bottom Comp	12'	211
Blended Backfill	n/a	209
Vertical delineation trench at the former junction (source)	1'	152
	2'	148
	3'	155
	4'	148
	5'	140
	6'	137
	7'	147
	8'	151
	9'	147
	10'	138
	11'	139
	12'	142


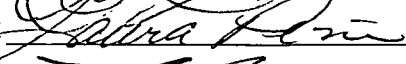

**General Description of Remedial Action:** This junction box and line were eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10x10x12 ft deep excavation. Chloride field tests were performed on soil samples which yielded low chloride. Organic vapors were measured using a PID which yielded low concentrations. 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. Sample analysis showed TPH concentrations above NMOCD guidelines. A total of 94 yards of excavated soil was properly disposed of at a NMOCD approved disposal facility. The excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 5/12/2011, the site 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 4/9/2012.

\*\*Windmill located 1270 ft south

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

Enclosures: photos, lab results, PID (field) screenings, chloride graph, revegetation form

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

SITE SUPERVISOR Oscar Frayre SIGNATURE   
REPORT  
ASSEMBLED BY Laura Peña SIGNATURE  COMPANY RICE OPERATING COMPANY  
PROJECT LEADER Zach Conder SIGNATURE  DATE 4-17-12

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



# EME I-7 EOL

Unit I, Section 7, T19S, R37E



Site prior to excavation, facing north 2.15.11



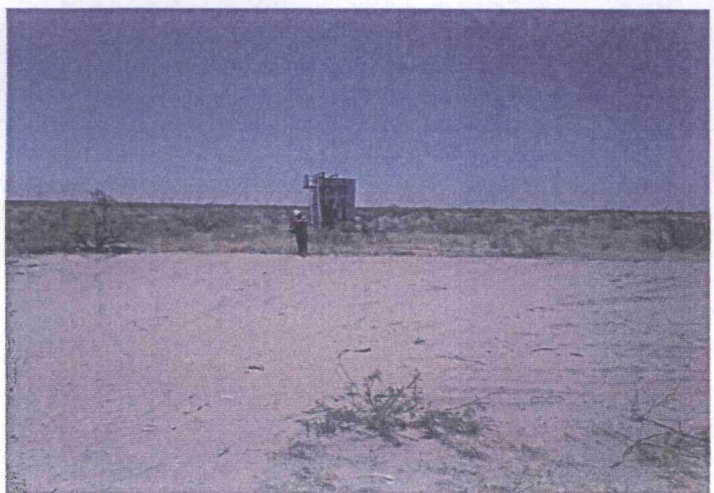
Collecting sample, facing northwest 3.23.11



Exporting soil, facing east 4.5.11



Importing blow sand, facing east 4.8.11



Seeding site, facing west 5.12.11



Site completed, facing west 5.12.11

April 11, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: EME I-7 EOL (19/37)

Enclosed are the results of analyses for samples received by the laboratory on 04/05/11 16:32.

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.

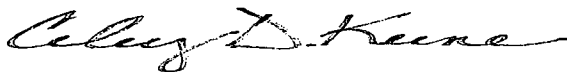
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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  
 Hack Conder  
 112 W. Taylor  
 Hobbs NM, 88240  
 Fax To: (575) 397-1471

Received:	03/23/2011	Sampling Date:	03/23/2011
Reported:	03/29/2011	Sampling Type:	Soil
Project Name:	EME I-7 EOL (19/37)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: 5 PT BOTTOM (H100562-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/29/2011	ND	416	104	400	0.00		
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	03/27/2011	ND	219	110	200	2.79		
DRO >C10-C28	46.8	10.0	03/27/2011	ND	224	112	200	1.19		
Surrogate: 1-Chlorooctane										
	107 %	70-130								
Surrogate: 1-Chlorooctadecane										
	101 %	70-130								

**Sample ID: 4 WALL (H100562-02)**

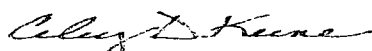
Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/29/2011	ND	416	104	400	0.00		
TPH 8015M		mg/kg	Analyzed By: AB							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/27/2011	ND	219	110	200	2.79		
DRO >C10-C28	144	10.0	03/27/2011	ND	224	112	200	1.19		
Surrogate: 1-Chlorooctane										
	100 %	70-130	COPY							
Surrogate: 1-Chlorooctadecane										
	90.1 %	70-130								

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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, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 03/23/2011  
 Reported: 03/29/2011  
 Project Name: EME I-7 EOL (19/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/23/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BLENDED BACKFILL (H100562-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/29/2011	ND	416	104	400	0.00		
TPH 8015M			mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	03/27/2011	ND	219	110	200	2.79		
DRO >C10-C28	276	50.0	03/27/2011	ND	224	112	200	1.19		

Surrogate: 1-Chlorooctane 97.7 % 70-130

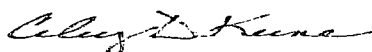
Surrogate: 1-Chlorooctadecane 95.4 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

Z-01	Surrogate above historical limits.
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

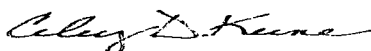
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Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Rice</u>		BILL TO		ANALYSIS REQUEST																						
Project Manager: <u>Hack Conder</u>		P.O. #:		<div>CL-TPH 8015M</div>																						
Address: <u>1322 W. TAYLOR</u>		Company:																								
City: <u>170665</u> State: <u>N.M.</u> Zip: <u>88240</u>		Attn:																								
Phone #: <u>393-9174</u> Fax #:		Address:																								
Project #:		City:																								
Project Name:		State: Zip:																								
Project Location: <u>EME I-7 E02 19.37</u>		Phone #:																								
Sampler Name: <u>OSCAR FRAYNE</u>		Fax #:		<div>COPY</div>																						
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS													MATRIX					PRESERV.		SAMPLING			
																GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME
H100562-1	5pt Bottom	C	1															X					/		3-23-11	11:20
2	4 Wall	C	1															X					/		3-23-11	11:13
3	Blended Backfill	C	1															X					/		3-23-11	11:27

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: <u>3/23/11</u> Time: <u>4:30</u>	Received By: <u>Jodi Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: <u>3/23/11</u> Time: <u>4:30</u>	Received By: <u>Jodi Henson</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>2c</u>			REMARKS: <u>HConder @ Rice-ecs.com</u> <u>BBaten @ Rice-ecs.com</u> <u>O Frayne @ Rice-ecs.com</u> <u>2 Conder @ Rice-ecs.com</u>	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>			CHECKED BY: <u>JA</u>	

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

#26

# 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:

Model: PGM 7300  
Model: PGM 7300  
Model: PGM 7300

Serial No: 590-000183  
Serial No: 590-000508  
Serial No: 590-000504

Model: PGM 7600  
Model: PGM 7600  
Model: PGM 7600

Serial No: 110-023920  
Serial No: 110-013744  
Serial No: 592-903318

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 930360	EXPIRATION DATE: 5-24-13
FILL DATE:	METER READING ACCURACY: 100.00

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	I-7 EOL	1	7	19S	37E

[illegible]

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

SIGNATURE: \_\_\_\_\_

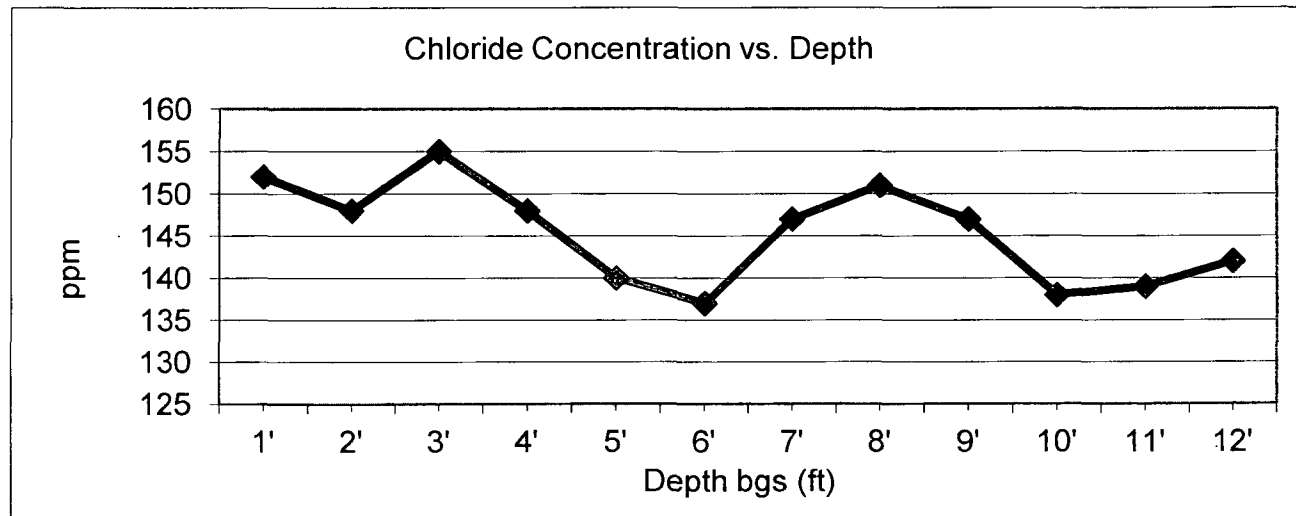
DATE: 3-23-2011

**EME I-7 EOL**

Unit 'I', Sec.7, T19S, R37E

*Backhoe samples at the junction (source)*

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1'	152
2'	148
3'	155
4'	148
5'	140
6'	137
7'	147
8'	151
9'	147
10'	138
11'	139
12'	142



Groundwater = 35 ft



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

## REVEGETATION FORM

### 1. General Information

Site name: EME I-7 EOL						
U/L I	Section 7	Township 19S	Range 37E	County Lea	Latitude N 32°40'22.6"	Longitude W 103°17'06.2"
Contact Name: Bruce Baker						
Email: <a href="mailto:bbaker@rice-esc.com">bbaker@rice-esc.com</a>						
Site size: 3,250		square feet		Map detail of site attached <input checked="" 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 type="checkbox"/>	Depth (in): 6"
Texture: Sandy	Describe soil & subsoil: Blow sand and subsoil caliche			
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 5/12/2011				

### 3. Bioremediation

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

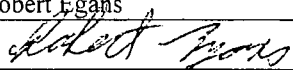
### 4. Seeding

*\*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: 2.5 lbs. blue grama 1 lb. side oats grama	Seeding date: 5/12/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Portable seeder			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>	Observations: The seed was raked into the site.		
Number of photos: 1			

### 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: Robert Egans	Title: Environmental Tech	Date: 5/12/2011
Signature: 		

COPY