

1R - 427-364

REPORTS

DATE:

4-17-12

1R427-364

RECEIVED OCD

2012 MAY -1 P 1:50

EME I-7 EOL

2011

DISCLOSURE

EME I-7 EOL

Unit I, Section 7, T19S, R37E



Site prior to excavation, facing north 2.15.11



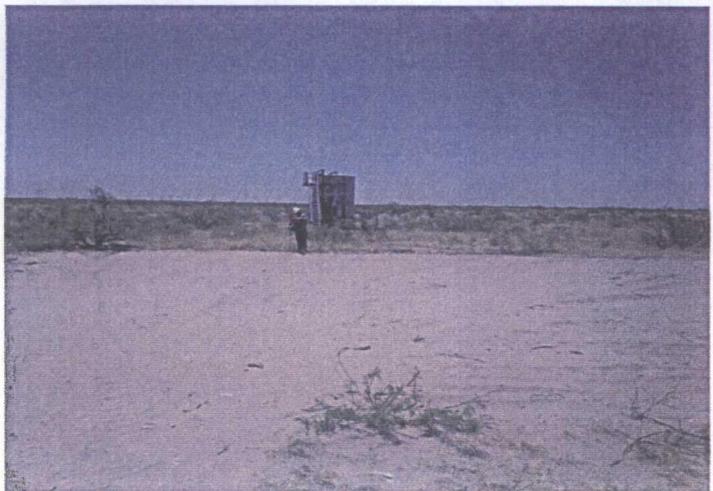
Collecting sample, facing northwest 3.23.11



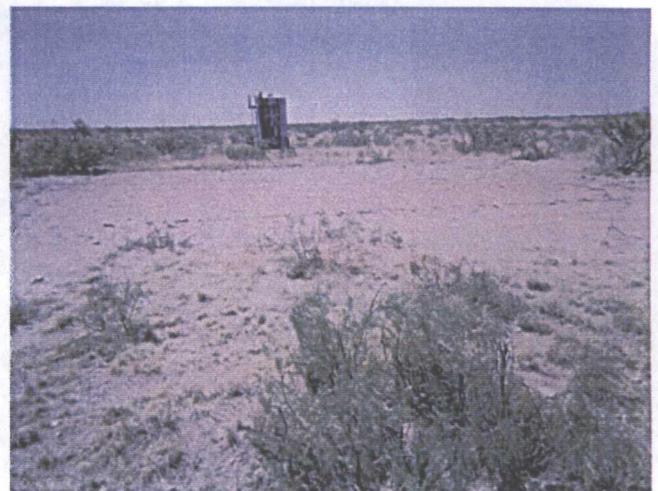
Exporting soil, facing east 4.5.11



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, SM4500CI-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, SM4500CI-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		

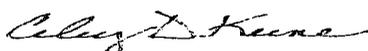
Surrogate: 1-Chlorooctane 100 % 70-130
 Surrogate: 1-Chlorooctadecane 90.1 % 70-130

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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
 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: BLENDED BACKFILL (H100562-03)

Chloride, SM4500CI-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		

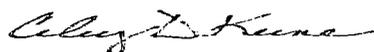
Surrogate: 1-Chlorooctane	97.7 %	70-130
Surrogate: 1-Chlorooctadecane	95.4 %	70-130

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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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*=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: <i>Rice</i>		BILL TO				ANALYSIS REQUEST													
Project Manager: <i>Hack Conder</i>		P.O. #:				<div style="text-align: center; font-size: 2em; font-weight: bold; opacity: 0.5;">COPY</div>													
Address: <i>1322 W. TAYLOR</i>		Company:																	
City: <i>Hobbs</i> State: <i>N.M.</i> Zip: <i>88240</i>		Attn:																	
Phone #: <i>393-9174</i> Fax #:		Address:																	
Project #:		City:																	
Project Name:		State: Zip:																	
Project Location: <i>EMEI-7 E02 19-37</i>		Phone #:																	
Sampler Name: <i>OSCAR FRAYNE</i>		Fax #:																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING											
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME						
<i>H100562-1</i>	<i>5pt Bottom</i>	<i>C</i>			<i>X</i>							<i>3-23-11</i>	<i>11:20</i>	<i>X</i>	<i>X</i>				
<i>2</i>	<i>4 Wall</i>	<i>C</i>			<i>X</i>							<i>3-23-11</i>	<i>11:13</i>	<i>F</i>	<i>X</i>				
<i>3</i>	<i>Blended Backfill</i>	<i>C</i>			<i>X</i>							<i>3-23-11</i>	<i>11:27</i>	<i>F</i>	<i>X</i>				

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

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

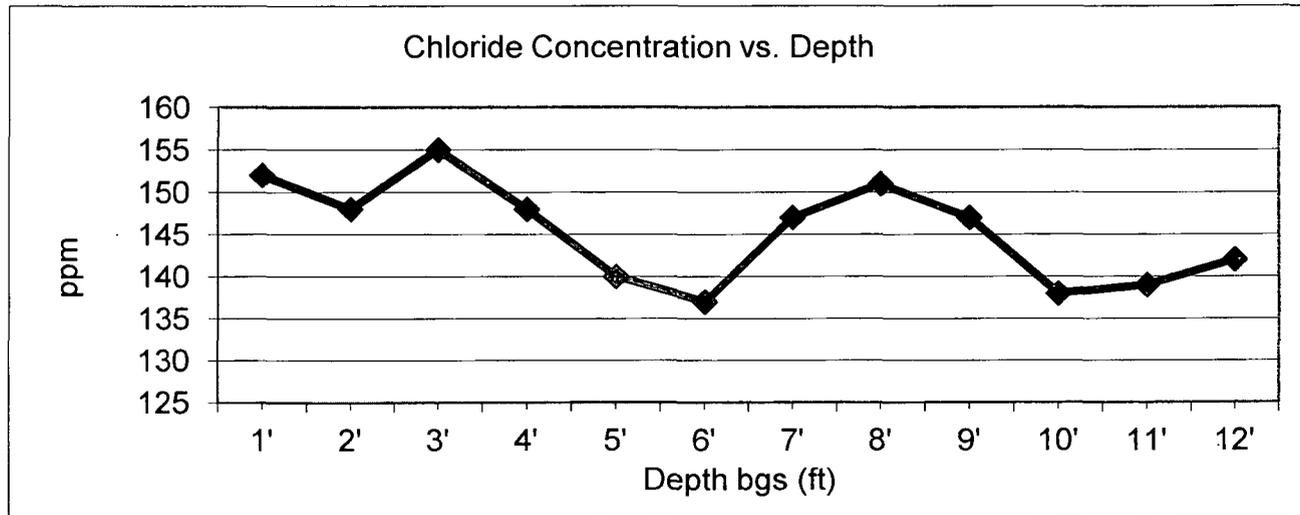
#26

EME I-7 EOL

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

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl ⁻] 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: bbaker@rice-esc.com						
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:		

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