

1R - 427-68

**APPROVALS**

**YEAR(S):**

2013

**Hansen, Edward J., EMNRD**

---

**From:** Hansen, Edward J., EMNRD  
**Sent:** Monday, March 25, 2013 4:19 PM  
**To:** Hack Conder (hconder@riceswd.com)  
**Cc:** Leking, Geoffrey R, EMNRD; Laura Pena (lpena@riceswd.com); Katie Jones  
<kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)  
**Subject:** Remediation Plan (1R427-68) Termination - ROC EME H-32-1 Site

**RE: Termination Request  
for the Rice Operating Company's  
EME H-32-1 Site  
Unit Letter H, Section 32, T19S, R37E, NMPM, Lea County, New Mexico  
Remediation Plan (1R427-68) Termination**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received Rice Operating Company's report and request to close the above-referenced site, dated March 8, 2013 (received March 13, 2013). The reports are acceptable to the OCD.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Rice Operating Company has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R427-68) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen  
Hydrologist  
Environmental Bureau

# **RICE** *Operating Company*

112 West Taylor • Hobbs, New Mexico 88240

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

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 9279

RECEIVED

March 8, 2013

MAR 13 2013

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

Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: Termination Request  
EME H-32-1 (1R427-68): UL/H, Sec. 32, 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 2002, ROC initiated work on the former H-32-1 junction box. The site is located in UL/H, Sec. 32, 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 25x20x14 ft deep excavation. Each sample was field titrated for chlorides, resulting in concentrations that decreased with depth. Representative samples were collected from the excavation walls and excavation bottom and sent to a commercial laboratory for analysis. The sidewall sample resulted in a chloride concentration of 10 mg/kg and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The bottom composite sample resulted in a chloride concentration of 10 mg/kg and GRO and DRO concentrations below detectable limits. Both samples were also analyzed for BTEX, resulting in concentrations below detectable limits. A total of 96 cubic yards of excavated soil was properly disposed of at a NMOCD facility. A compacted clay liner was installed and the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. Vegetation has rebounded at the site, so no re-vegetation efforts are needed. Vegetation above the liner will act as an evapo-transpiration barrier that will also inhibit the downward migration of residual chlorides

and hydrocarbons. Plants capture water through their roots and so reduce the amount of water infiltrating below the root zone. A new, watertight junction was installed and has since been eliminated.

**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 stylized flourish at the end.

Hack Conder  
Environmental Manager

enclosures

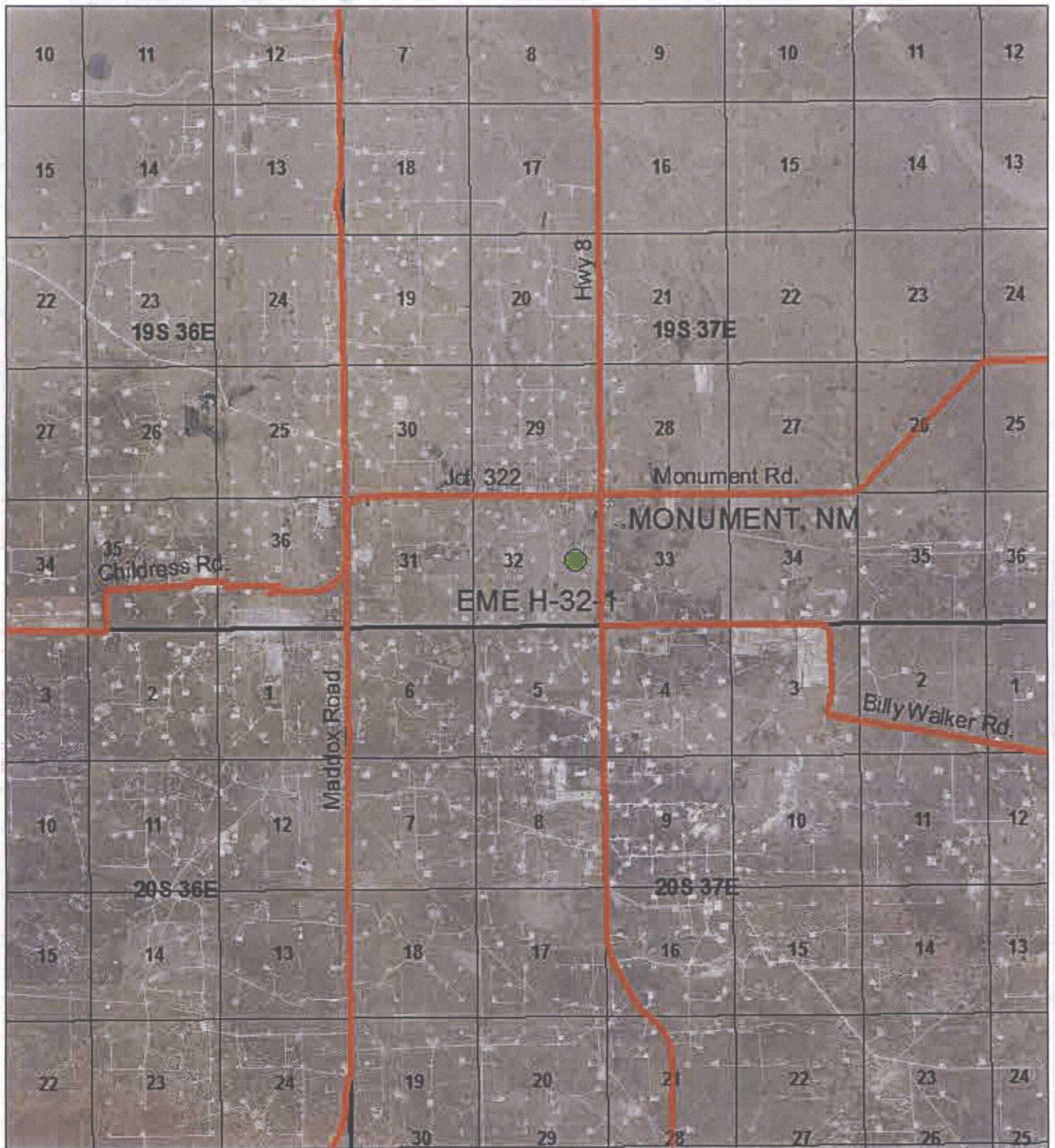
RECEIVED OCD  
2013 MAR 13 P 2:27



## Site Location Map

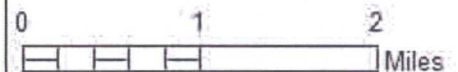
**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471





**EME H-32-1  
(1R427-68)**

Unit Letter H, Section 32,  
T19S, R37E  
Lea County, NM



Drawing date: 3/5/13



# Junction Box Report

**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	H-32-1	H	32	19S	37E	LEA	Length 12	Width 10	Depth 5

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER \_\_\_\_\_ IRVING BOYD \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater \_\_\_\_\_ 25 \_\_\_\_\_ feet NMOC SITE ASSESSMENT RANKING SCORE: \_\_\_\_\_ 20 \_\_\_\_\_

Date Started \_\_\_\_\_ 4/15/2002 \_\_\_\_\_ Date Completed \_\_\_\_\_ 4/17/2002 \_\_\_\_\_ OCD Witness \_\_\_\_\_ NO \_\_\_\_\_

Soil Excavated \_\_\_\_\_ 150 \_\_\_\_\_ cubic yards Excavation Length \_\_\_\_\_ 25 \_\_\_\_\_ Width \_\_\_\_\_ 20 \_\_\_\_\_ Depth \_\_\_\_\_ 14 \_\_\_\_\_ feet

Soil Disposed \_\_\_\_\_ 96 \_\_\_\_\_ cubic yards Offsite Facility \_\_\_\_\_ C&C LANDFARM \_\_\_\_\_ Location \_\_\_\_\_ MONUMENT, NM \_\_\_\_\_

**FINAL ANALYTICAL RESULTS:** Sample Date \_\_\_\_\_ 4/16/2002 \_\_\_\_\_ Sample Depth \_\_\_\_\_ 14' \_\_\_\_\_

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10	<10	10
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	10

**General Description of Remedial Action:** Delineated vertical and lateral extent.

Vertical trench demonstrated TPH dropped from 9500 ppm @ 8' to 39 ppm @ 14' and chlorides dropped from 1250 ppm to 50 ppm. High impact soil was removed and hauled to permitted disposal facility. Installed a compacted clay liner and water proof junction box. Backfilled with clean soil.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
SIDEWALLS	12'	30
BOTTOM	14'	30
Vertical Trench	8'	1250
	10'	100
	12'	50
	14'	50

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

DATE \_\_\_\_\_ May 16, 2002 \_\_\_\_\_ PRINTED NAME \_\_\_\_\_ D. E. Anderson \_\_\_\_\_

SIGNATURE \_\_\_\_\_ *D. E. Anderson* \_\_\_\_\_ TITLE \_\_\_\_\_ Project Leader - Environmental \_\_\_\_\_



# ANALYTICAL REPORT

## Prepared for:

Derek Robinson  
RE Environmental  
P.O. Box 13418  
Odessa, TX 79764

Project: Rice Operating

Order#: G0203093

Report Date: 04/19/2002

H-32-1

## Certificates

US EPA Laboratory Code TX00158

---

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

RE Environmental  
P.O. Box 13418  
Odessa, TX 79764  
366-0804

Order#: G0203093  
Project:  
Project Name: Rice Operating  
Location: H-32-1

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0203093-01	4 pt. Wall Comp. @ 12'	SOIL	4/16/02 15:30	4/17/02 8:00	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp: 18.0 C			
	8015M					
	8021B/5030 BTEX					
	Chloride					
<hr/>						
0203093-02	5 pt Bottom Comp. @ 14'	SOIL	4/16/02 16:55	4/17/02 8:00	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp: 18.0 C			
	8015M					
	8021B/5030 BTEX					
	Chloride					

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Derek Robinson  
RE Environmental  
P.O. Box 13418  
Odessa, TX 79764

Order#: G0203093  
Project:  
Project Name: Rice Operating  
Location: H-32-1

Lab ID: 0203093-01  
Sample ID: 4 pt. Wall Comp. @ 12'

### 8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		4/18/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

### 8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0001325-02		4/17/02 10:26	1	25	CK	8021B

Parameter	Result µg/kg	RL
Benzene	<25.0	25.0
Ethylbenzene	<25.0	25.0
Toluene	<25.0	25.0
p/m-Xylene	<25.0	25.0
o-Xylene	<25.0	25.0

Lab ID: 0203093-02  
Sample ID: 5 pt Bottom Comp. @ 14'

### 8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		4/18/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Derek Robinson  
RE Environmental  
P.O. Box 13418  
Odessa, TX 79764

Order#: G0203093  
Project:  
Project Name: Rice Operating  
Location: H-32-1

Lab ID: 0203093-02  
Sample ID: 5 pt Bottom Comp. @ 14'

### 8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0001325-02		4/17/02 10:47	1	25	CK	8021B

Parameter	Result µg/kg	RL
Benzene	<25.0	25.0
Ethylbenzene	<25.0	25.0
Toluene	<25.0	25.0
p/m-Xylene	<25.0	25.0
o-Xylene	<25.0	25.0

Approval:

Raland K. Tuttle, Lab Director, QA Officer  
Celey D. Keene, Org. Tech. Director  
Jeanne McMurrey, Inorg. Tech. Director  
Sandra Biezugbe, Lab Tech.  
Sara Molina, Lab Tech.

Date

4-22-02

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Derek Robinson  
RE Environmental  
P.O. Box 13418  
Odessa, TX 79764

Order#: G0203093  
Project:  
Project Name: Rice Operating  
Location: H-32-1

Lab ID: 0203093-01  
Sample ID: 4 pt. Wall Comp. @ 12'

### Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	9.85	mg/kg	1	5.00	9253	4/18/02	SB

Lab ID: 0203093-02  
Sample ID: 5 pt Bottom Comp. @ 14'

### Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	9.85	mg/kg	1	5.00	9253	4/18/02	SB

Approval: Raland K Tuttle 4-22-02  
Raland K. Tuttle, Lab Director, QA Officer Date  
Celey D. Keene, Org. Tech. Director  
Jeanne McMurrey, Inorg. Tech. Director  
Sandra Biezugbe, Lab Tech.  
Sara Molina, Lab Tech.

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8015M

Order#: G0203093

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001320-02			<10.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0203090-02	0	952	802	84.2%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0203090-02	802	952	800	84.4%	0.2%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001320-05		1000	780	78.0%	



# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0203093

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0001325-02			<25.0		
Ethylbenzene-µg/kg		0001325-02			<25.0		
Toluene-µg/kg		0001325-02			<25.0		
p/m-Xylene-µg/kg		0001325-02			<25.0		
o-Xylene-µg/kg		0001325-02			<25.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0203093-02	0	100	102	102.0%	
Ethylbenzene-µg/kg		0203093-02	0	100	104	104.0%	
Toluene-µg/kg		0203093-02	0	100	104	104.0%	
p/m-Xylene-µg/kg		0203093-02	0	200	214	107.0%	
o-Xylene-µg/kg		0203093-02	0	100	103	103.0%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0203093-02	0	100	102	102.0%	0.0%
Ethylbenzene-µg/kg		0203093-02	0	100	105	105.0%	1.0%
Toluene-µg/kg		0203093-02	0	100	104	104.0%	0.0%
p/m-Xylene-µg/kg		0203093-02	0	200	214	107.0%	0.0%
o-Xylene-µg/kg		0203093-02	0	100	103	103.0%	0.0%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0001325-05		100	99.1	99.1%	
Ethylbenzene-µg/kg		0001325-05		100	104	104.0%	
Toluene-µg/kg		0001325-05		100	106	106.0%	
p/m-Xylene-µg/kg		0001325-05		200	216	108.0%	
o-Xylene-µg/kg		0001325-05		100	104	104.0%	

---

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### Test Parameters

Order#: G0203093

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0001324-01			<5.00		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0203093-01	9.85	556	571	100.7%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0203093-01	9.85	556	571	100.7%	0.0%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0001324-04		5000	5050	101.1%	

2600 West I-20 East  
Odessa, Texas 79763

Fax: 915-563-1713

Project Name: Rice Operating

Project #:

Project Loc: H-32-1

PO 註

Project Manager: Derek Robinson

Company Name R.E. Environmental

Company Address:

City/State/Zip:

Telephone No:

Fax No:

Sampler Signature: David Robinson

[illegible]

**C & C LANDFARM, INC.**

BOX 55

MONUMENT, NEW MEXICO 88265

PHONE: (505) 397-2045

(505) 397-2860

(505) 392-2236

002065

COMPANY NAME RICE Operating Company

COMPANY REPRESENTATIVE NAME Donnie Anderson

LEASE NAME LOT BOX H-32-1

SEC.

TOWNSHIP

RANGE

32

205

34E

36E

TRUCKING COMPANY NAME RE Environmental

DRIVERS SIGNATURE [Signature]

TYPE OF MATERIAL BEING HAULED AND QUANTITY

0/D NON-HAZ (96 yd<sup>3</sup>)

COPY OF ANALYSIS ATTACHED, IF REQUIRED

TPHC

BENZENE

TOLUENE

ETHYL BENZENE

PARA XYLENE

ATTENDANT ON DUTY [Signature]

DATE 4-25-002



## Current Photodocumentation

**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471

# EME H-32-1

UL/H, Section 32, T19S, R37E



Facing south

2/18/2013



Facing east

2/18/2013