

1R - 427-22

**APPROVALS**

**YEAR(S):**

2013

**Hansen, Edward J., EMNRD**

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**From:** Hansen, Edward J., EMNRD  
**Sent:** Monday, February 04, 2013 12:39 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 (1R427-22) Termination - ROC EME F-11 Site

**RE: Termination Request  
for the Rice Operating Company's  
EME F-11 Site  
Unit Letter F, Section 11, T20S, R36E, NMPM, Lea County, New Mexico  
Remediation Plan (1R427-22) 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 January 25, 2013 (received January 28, 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 (1R427-22) 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

RECEIVED OGD

2012 JAN 28 P 1:31

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 8777

**January 25, 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 F-11 (1R427-22): UL/F Sec. 11, T20S, R36E  
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 2003, ROC initiated work on the former F-11 junction box. The site is located in UL/F, Sec. 11, T20S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 31 +/- feet. After the junction box was eliminated, the site was delineated using a backhoe to collect soil samples at regular intervals, creating a 20x20x7 ft deep excavation. Each sample was field titrated for chlorides, resulting in low concentrations. The excavated soil was blended on site and representative composite samples of the excavation bottom, the excavation walls, and the remediated backfill were sent to a commercial laboratory for analysis of chloride and TPH, resulting in a sidewall chloride concentration of 142 mg/kg and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The bottom composite resulted in a chloride concentration of 106 mg/kg, and GRO and DRO concentrations below detectable limits. The remediated backfill resulted in chloride and GRO concentrations below detectable limits and a DRO concentration of 186 mg/kg. The remediated backfill was returned to the excavation to ground surface and contoured to the surrounding area. On 4/21/2003, the site was seeded with a blend of native

vegetation and was expected to return to a productive capacity at a normal rate. A junction box is no longer needed at the site.

The junction box site location map, final report, photodocumentation, laboratory analysis and current photodocumentation are attached. Vegetation has rebounded at the site so no re-vegetation efforts are needed.

**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

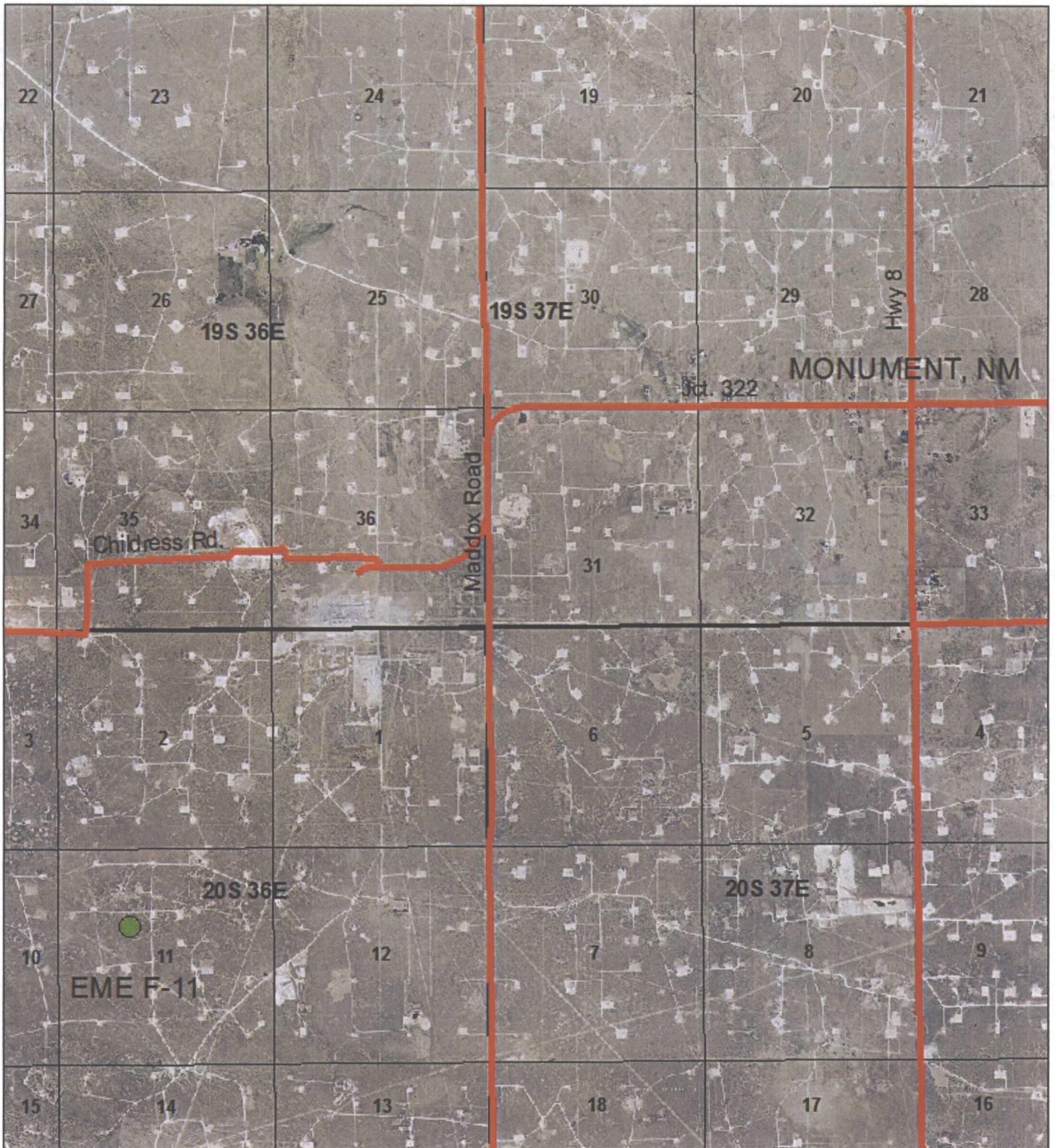
enclosures



## Site Location Map

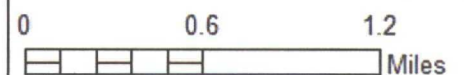
**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471





**EME  
F-11**

**UL F SECTION 11  
T-20-S R-36-E  
LEA COUNTY, NM**



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



# 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	F-11	F	10	20S	36E	Lea	Length	Width	Depth
							No Box		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Faye, George, & Harry Klein OTHER \_\_\_\_\_

Depth to Groundwater 31 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 2/24/2003 Date Completed 4/1/2003 OCD Witness No

Soil Excavated 104 cubic yards Excavation Length 20 Width 20 Depth 7 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

**FINAL ANALYTICAL RESULTS:** Sample Date 2/25/2003 Sample Depth 7'

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 NMOCD 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	<10.0	<10.0	142
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	106
REMEDIED	<0.025	<0.025	<0.025	<0.025	<10.0	186	<20

**General Description of Remedial Action:** The box was located amongst sparsely vegetated sand dunes. The site was delineated vertically and laterally for TPH and chlorides, producing a 20' x 20' x 7' excavation. The excavated soil was landfarmed on location and then backfilled into the hole. The site was contoured to mimic the natural landscape. This site is no longer a junction so a box was not required. The disturbed surface was seeded with native vegetation and is expected to return to productive capacity at a normal rate. These activities are not detrimental to groundwater, livestock, or public health.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	ppm
Vertical	2	715
	7	100
wall comp.	n/a	173
bottom comp.	n/a	147

cc: lab results, photos

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

DATE 4/9/2003 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Projects Scientist



## EME jct. F-11



↓ Excavation ↑



Backfilled

# ANALYTICAL REPORT

## Prepared for:

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Project: Jct. F-11  
PO#: 749  
Order#: G0305835  
Report Date: 03/05/2003

## Certificates

US EPA Laboratory Code TX00158

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## ENVIRONMENTAL LAB OF TEXAS

### SAMPLE WORK LIST

Rice Operating  
122 W. Taylor  
Hobbs, NM 88240  
505-397-1471

Order#: G0305835  
Project:  
Project Name: Jct. F-11  
Location: EME

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, unless otherwise noted.

<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>
0305835-01	Btm. Comp. @ 7'	SOIL	2/25/03	2/27/03 19:36	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: -2 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0305835-02	Wall Comp. @ 5'	SOIL	2/25/03	2/27/03 19:36	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: -2 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0305835  
Project:  
Project Name: Jct. F-11  
Location: EME

Lab ID: 0305835-01  
Sample ID: Btm. Comp. @ 7'

### 8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		2/28/03	1	1	CK	8015M

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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	96%	70	130
1-Chlorooctadecane	90%	70	130

### 8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004839-02		3/4/03 11:20	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	94%	80	120

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

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0305835  
Project:  
Project Name: Jct. F-11  
Location: EME

Lab ID: 0305835-02  
Sample ID: Wall Comp. @ 5'

### 8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		2/28/03	1	1	CK	8015M

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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	111%	70	130
1-Chlorooctadecane	105%	70	130

### 8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004839-02		3/4/03 11:40	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	98%	80	120
Bromofluorobenzene	102%	80	120

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

3/5/03

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

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0305835  
Project:  
Project Name: Jet. F-11  
Location: EME

Lab ID: 0305835-01  
Sample ID: Btm. Comp. @ 7'

### Test Parameters

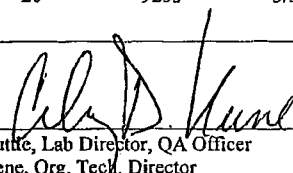
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	106	mg/kg	1	20	9253	3/3/03	SB

Lab ID: 0305835-02  
Sample ID: Wall Comp. @ 5'

### 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	142	mg/kg	1	20	9253	3/3/03	SB

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: 3/5/03

RL = Reporting Limit N/A = Not Applicable

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12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800



**ENVIRONMENTAL LAB OF TEXAS****QUALITY CONTROL REPORT****8015M****Order#: G0305835**

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004808-02			<10.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305835-01	0	952	875	91.9%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305835-01	0	952	809	85.5%	7.8%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004808-05		1000	822	82.2%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

**8021B/5030 BTEX**
**Order#: G0305835**

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004839-02			<0.025		
Toluene-mg/kg		0004839-02			<0.025		
Ethylbenzene-mg/kg		0004839-02			<0.025		
p/m-Xylene-mg/kg		0004839-02			<0.025		
o-Xylene-mg/kg		0004839-02			<0.025		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0305835-02	0	0.1	0.097	97.0%	
Toluene-mg/kg		0305835-02	0	0.1	0.100	100.0%	
Ethylbenzene-mg/kg		0305835-02	0	0.1	0.102	102.0%	
p/m-Xylene-mg/kg		0305835-02	0	0.2	0.210	105.0%	
o-Xylene-mg/kg		0305835-02	0	0.1	0.103	103.0%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0305835-02	0	0.1	0.098	98.0%	1.0%
Toluene-mg/kg		0305835-02	0	0.1	0.100	100.0%	0.0%
Ethylbenzene-mg/kg		0305835-02	0	0.1	0.101	101.0%	1.0%
p/m-Xylene-mg/kg		0305835-02	0	0.2	0.208	104.0%	1.0%
o-Xylene-mg/kg		0305835-02	0	0.1	0.102	102.0%	1.0%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004839-05		0.1	0.098	98.0%	
Toluene-mg/kg		0004839-05		0.1	0.102	102.0%	
Ethylbenzene-mg/kg		0004839-05		0.1	0.102	102.0%	
p/m-Xylene-mg/kg		0004839-05		0.2	0.211	105.5%	
o-Xylene-mg/kg		0004839-05		0.1	0.105	105.0%	

**ENVIRONMENTAL LAB OF TEXAS****QUALITY CONTROL REPORT****Test Parameters**

Order#: G0305835

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004828-01			<20.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305835-01	106	1000	1100	99.4%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305835-01	106	1000	1100	99.4%	0.0%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004828-04		5000	4960	99.2%	

9  
1  
2

Phone: 915-563-1800  
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: ict. F-11

Project #:

Project Loc: EME

PO #: 749

Fax No: (505) 397-1471

Sampler Signature: Christie Darrie

Mar 05 03 12:56p

—

# ANALYTICAL REPORT

## Prepared for:

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Project: Jct. F-11  
PO#: 757  
Order#: G0306158  
Report Date: 04/08/2003

## Certificates

US EPA Laboratory Code TX00158

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# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

Rice Operating  
122 W. Taylor  
Hobbs, NM 88240  
505-397-1471

Order#: G0306158  
Project:  
Project Name: Jct. F-11  
Location: EME

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, unless otherwise noted.

<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>
0306158-01	Remed. Comp.	SOIL	4/1/03	4/3/03 9:30	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	7 C		
8015M						
8021B/5030 BTEX						
Chloride						

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0306158  
Project:  
Project Name: Jct. F-11  
Location: EME

Lab ID: 0306158-01  
Sample ID: Remed. Comp.

### 8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		4/4/03 14:03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	186	10.0
TOTAL, C6-C35	186	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	103%	70	130
1-Chlorooctadecane	122%	70	130

### 8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005140-02		4/3/03 20:27	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	80	120
Bromofluorobenzene	103%	80	120

Approval:

Raland K. Tuttle 4-08-03  
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

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

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

---

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0306158  
Project:  
Project Name: Jct. F-11  
Location: EME

---

Lab ID: 0306158-01  
Sample ID: Remed. Comp.

### Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Chloride	<20.0	mg/kg	1	20	9253	4/7/03	CK

---

Approval: Raland K Tuttle 4-08-03  
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.

RL = Reporting Limit      N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS I, LTD.      12600 West I-20 East, Odessa, TX 79765      Ph: 915-563-1800

**ENVIRONMENTAL LAB OF TEXAS****QUALITY CONTROL REPORT****8015M****Order#: G0306158**

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005139-02			<10.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306154-01	0	952	1070	112.4%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306154-01	0	952	964	101.3%	10.4%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005139-05		1000	997	99.7%	

**ENVIRONMENTAL LAB OF TEXAS****QUALITY CONTROL REPORT****8021B/5030 BTEX**

Order#: G0306158

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-02			<0.025		
Toluene-mg/kg		0005140-02			<0.025		
Ethylbenzene-mg/kg		0005140-02			<0.025		
p/m-Xylene-mg/kg		0005140-02			<0.025		
o-Xylene-mg/kg		0005140-02			<0.025		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306165-02	0	0.1	0.102	102.0%	
Toluene-mg/kg		0306165-02	0	0.1	0.104	104.0%	
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.105	105.0%	
p/m-Xylene-mg/kg		0306165-02	0	0.2	0.219	109.5%	
o-Xylene-mg/kg		0306165-02	0	0.1	0.105	105.0%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306165-02	0	0.1	0.105	105.0%	2.9%
Toluene-mg/kg		0306165-02	0	0.1	0.107	107.0%	2.8%
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.110	110.0%	4.7%
p/m-Xylene-mg/kg		0306165-02	0	0.2	0.229	114.5%	4.5%
o-Xylene-mg/kg		0306165-02	0	0.1	0.111	111.0%	5.6%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-05		0.1	0.091	91.0%	
Toluene-mg/kg		0005140-05		0.1	0.094	94.0%	
Ethylbenzene-mg/kg		0005140-05		0.1	0.102	102.0%	
p/m-Xylene-mg/kg		0005140-05		0.2	0.216	108.0%	
o-Xylene-mg/kg		0005140-05		0.1	0.097	97.0%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### Test Parameters

Order#: G0306158

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005155-01			<20.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	0.0%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005155-04		5000	4870	97.4%	

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Phone: 915-563-1800  
Fax: 915-563-1713

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Act. F-11

Project #:

Project Loc: EME

PO #: 757

Fax No: (505) 397-1471

Sampler Signature: Christin Harris

Apr 08 03 05:45p





## Current Photodocumentation

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

EME F-11 (1R427-22)  
Unit Letter F, Section 11, T20S, R36E



Facing North

1/15/2013



Facing East

1/15/2013