# 1R - 427 - 22

# APPROVALS

**YEAR(S)**:

### Hansen, Edward J., EMNRD

From:	Hansen, Edward J., EMNRD
Sent:	Monday, February 04, 2013 12:39 PM
То:	Hack Conder (hconder@riceswd.com)
Cc:	Leking, Geoffrey R, EMNRD; Laura Pena (Ipena@riceswd.com); Katie Jones
	<kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)</kjones@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.

1

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

Edward J. Hansen Hydrologist Environmental Bureau

# **RICE** Operating Company

2013 JAN 28 P 1:3.

RECEIVED OOD

112 West Taylor • Hobbs, New Mexico 88240 Phone: (575) 393-9174 • Fax: (575) 397-1471

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.

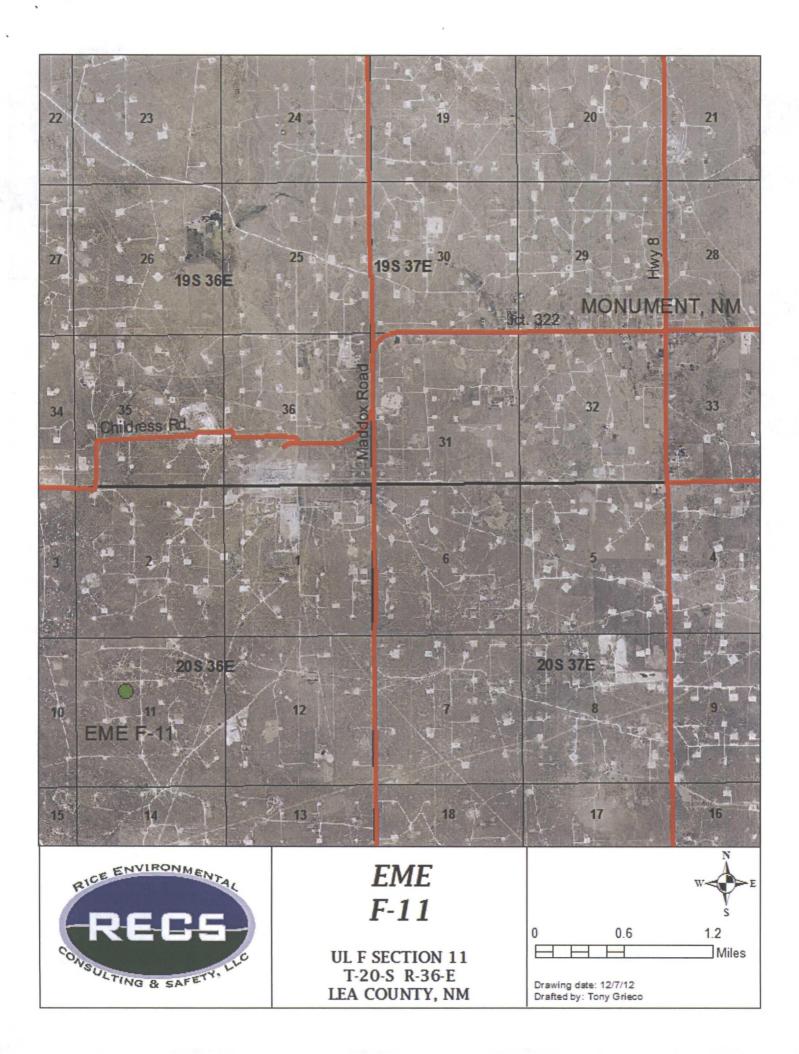
Sincerely, RICE Operating Company

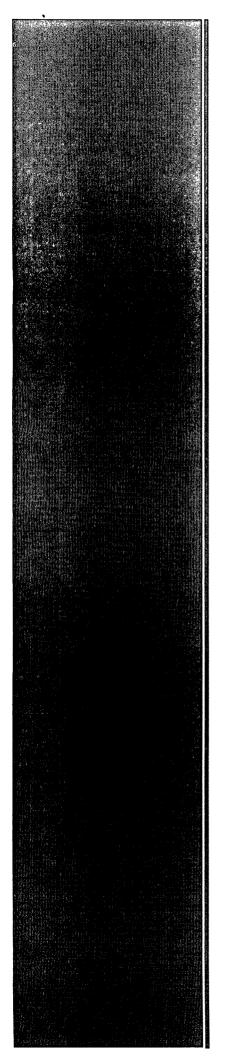
Hack Conder Environmental Manager

enclosures

# Site Location Map

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





# 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 LOC						
	SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY		DIMENSIONS	and the second	
	EME	F-11	F	10	205	36E	Lea	Length	Width	Depth	
	L		. <u></u>	I				<u> </u>	No Box		
ņ.	LAND TYPE:	BLM	STATE	FEE LA	NDOWNER	Faye, Georg	ge, & Harry	<u>Klein</u> OTHE	R		
	Depth to Groui	ndwater	31	feet	NMOCD	SITE ASSI	ESSMENT	RANKING	SCORE:	20	
	Date Started	2/24/	2003	Date Co	mpleted	4/1/2003		Witness _	N	lo	
	Soil Excavated	104	cubic ya	rds Exc	cavation Le	ngth <u>20</u>	Widt	<u>         20    </u>	Depth		
	Soil Disposed	0	cubic ya	irds Of	fsite Facility	n	<u>/a</u>	Locatio	n	n/a	
,	FINAL ANALYTICAL RESULTS: Sample Date 2/25/2003 Sample Depth 7'										
FI				J. Sampi		2123/20		_Sample i	Jeptn	/	
FJ	Pr	rocure 5-poi	nt composit Chloride lab	e sample of oratory test		4-point con pleted by us	nposite san sing an app	- nple of side	walls. TPH,		
FJ	Pr	Procure 5-poi BTEX and ( Benzene	nt composit Chloride lab	e sample of oratory test procedures uene E	bottom and results com pursuant to thyl Benzene	4-point corr pleted by us NMOCD gu Total Xylen	nposite san ling an app lidelines.	nple of side roved lab a	ewalls. TPH, and testing DRO	Chlorides	
	Pr Sample Location	OCUITE 5-poi BTEX and ( Benzene mg/kg	nt composit Chloride lab	e sample of oratory test procedures uene E g/kg	bottom and results com pursuant to thyl Benzene mg/kg	4-point com pleted by us NMOCD gu Total Xylen mg/kg	nposite san ling an app lidelines.	nple of side roved lab a RO g/kg	walls. TPH, and testing DRO mg/kg	Chlorides mg/kg	
	Pr Sample Location SIDEWALLS	BTEX and ( BTEX and ( Benzene mg/kg <0.025	nt composit Chloride lab Tol mi <0.	e sample of oratory test procedures uene E g/kg .025	bottom and results com pursuant to thyl Benzene mg/kg <0.025	4-point corr pleted by us NMOCD gu Total Xylen mg/kg <0.025	nposite san sing an app lidelines.	nple of side roved lab a GRO g/kg 10.0	walls. TPH, and testing DRO mg/kg <10.0	Chlorides mg/kg 142	
	Sample Location SIDEWALLS BOTTOM	Benzene mg/kg <0.025	nt composit Chloride lab Tol mg <0. <0.	e sample of oratory test procedures uene E g/kg .025 .025	bottom and results com pursuant to thyl Benzene mg/kg <0.025 <0.025	4-point com pleted by us NMOCD gu Total Xylen mg/kg <0.025 <0.025	nposite san ing an app idelines.	nple of side roved lab a g/kg 10.0 10.0	DRO mg/kg <10.0	Chlorides mg/kg 142 106	
F	Pr Sample Location SIDEWALLS	Benzene mg/kg <0.025 <0.025 <0.025	nt composit Chloride lab Tol ma <0 <0 <0 <0 <0	e sample of oratory test procedures uene E g/kg .025 .025 .025 .025	bottom and results com pursuant to thyl Benzene mg/kg <0.025 <0.025 <0.025 <0.025	4-point com pleted by us NMOCD gu Total Xylen mg/kg <0.025 <0.025 <0.025 gst sparsely	nposite san ing an app idelines.	nple of side roved lab a g/kg 10.0 10.0 10.0	walls. TPH, and testing DRO mg/kg <10.0	Chlorides mg/kg 142 106 <20	
F	Pr Sample Location SIDEWALLS BOTTOM REMEDIATED	Benzene mg/kg <0.025 <0.025 <0.025	nt composit Chloride lab Tol mi <0 <0 <0 <0 <0	e sample of oratory test procedures uene E g/kg .025 .025 .025 .025 .025	bottom and results com pursuant to thyl Benzene mg/kg <0.025 <0.025 <0.025 <0.025	4-point com pleted by us NMOCD gu Total Xylen mg/kg <0.025 <0.025 <0.025 <0.025	nposite san ing an app idelines.	nple of side roved lab a g/kg 10.0 10.0 10.0	DRO mg/kg <10.0 186	Chlorides mg/kg 142 106 <20 TESTS	
F	Sample Location SIDEWALLS BOTTOM REMEDIATED	Benzene mg/kg <0.025 <0.025 <0.025 <0.025 on of Remed the site war 7' excavation	nt composit Chloride lab Tol mi <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0 <0	e sample of oratory test procedures uene E g/kg .025 .025 .025 .025 .025 .025 .025 .025	bottom and results com pursuant to thyl Benzene mg/kg <0.025 <0.025 <0.025 <0.025	4-point com pleted by us NMOCD gu Total Xylen mg/kg <0.025 <0.025 <0.025 gst sparsely t and chloride poation and th	nposite san ing an app idelines.	nple of side roved lab a g/kg 10.0 10.0 10.0 CHLC	DRO mg/kg <10.0 186	Chlorides mg/kg 142 106 <20 TESTS	
F	Sample Location SIDEWALLS BOTTOM REMEDIATED eneral Description getated sand dunes ducing a 20' x 20'x	Benzene mg/kg <0.025 <0.025 <0.025 <0.025 on of Remed to The site wa 7' excavation.	nt composit Chloride lab Tol mg <0. <0 <0 <0 <0 <0 ial Action: s delineated v The excavat s contoured to	e sample of oratory test procedures uene E g/kg .025 .025 .025 .025 .025 .025 .025 .025	bottom and results com pursuant to thyl Benzene mg/kg <0.025 <0.025 <0.025 <0.025 <0.025	4-point com pleted by us NMOCD gu Total Xylen mg/kg <0.025 <0.025 <0.025 <0.025 gst sparsely t and chloride pocation and the re. This site is	nposite san ing an app idelines.	nple of side roved lab a g/kg 10.0 10.0 10.0 CHLC	DRO mg/kg <10.0 <10.0 186 DRIDE FIELD	Chlorides mg/kg 142 106 <20 TESTS	

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

wali comp.

bottom comp.

n/a

n/a

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173

147

,

are not detrimental to groundwater, livestock, or public health.

cc: lab results, photos

DATE	4/9/2003	PRINTED NAME		Kristin Farris	
SIGNATURE_	Kaistin Jaris	TITLE		Projects Scientist	•
			s.		
			•		

# EME jct. F-11



Excavation





Backfilled

# Mar 05 03 12:54p

# 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

<u>Certificates</u> US EPA Laboratory Code TX00158 p.1

### SAMPLE WORK LIST

Rice Operating 122 W. Taylor Hobbs, NM **88**240 505-397-1471

Mar 05 03 12:54p

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> 0305835-01	<u>Sample :</u> Btm. Comp. @ 7'	<u>Matrix:</u> SOIL	-	Date / Time <u>Collected</u> 2/25/03	Date / Time <u>Received</u> 2/27/03 19:36	Container 4 oz glass	Preservative
<u>Li</u>	ab Testing: 8015M 8021B/5030 BTEX Chloride	Rejected: No		Телц	p: -2 C		
0305835-02	Wall Comp. @ 5'	SOIL	·	2/25/03	2/27/03 19:36	4 oz glass	lce
<u>L</u>	<u>ab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected:	No	Tem	p: -2 C		

Mar 05 03 12:55p

### Kristin Farris Order#: G0305835 **Rice Operating Project:** 122 W. Taylor **Project Name:** Jct. F-11 Hobbs, NM 88240 Location: EME Lab ID: 0305835-01 Sample ID: Btm. Comp. @ 7' 8015M Method Date Date Sample Dilution Blank Prepared Analyzed Amount Factor <u>Analyst</u> Method 2/28/03 1 8015M 1 СК Result RL Parameter mg/kg 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 Date Sample Date Dilution Prepared Method Blank Analyzed Amount Factor Analyst 3/4/03 1 25 СК 8021B 0004839-02 11:20 Result RL Parameter mg/kg <0.025 0.025 Benzenc < 0.025 0.025 Toluene 0.025 <0.025 Ethylbenzene < 0.025 0.025 p/m-Xylene 0.025 o-Xylene < 0.025 Surrogates % Recovered QC Limits (%) aaa-Toluene 91% 80 120

94%

80

120

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

Bromofluorobenzene

Page 1 of 2

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

### Mar 05 03 12:55p

**t** 

# **ENVIRONMENTAL LAB OF TEXAS**

### ANALYTICAL REPORT

Kristin Farris Rice Operating 122 W. Taylor Hobbs, NM 88240				Order#: Project: Project Name: Location:	•			· ·
Lab ID: Sample ID:	0305835-02 Wall Comp. @ 5'							
				8015M				
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method	
			2/28/03	1	1	СК	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		
		Surroga	ıtes	QC Li	nits (%)			
		1-Chlorooct	ane	111%	70	130		
		1-Chlorooct	adecane	105%	70	130		
			8021E	B/5030 BTEX				
	Method	Date	Date	Sample	Dilutio			
	Blank	Prepared	Analyzed	Amount	Factor		Method	
	0004839-02		3/4/03 11:40	1	25	СК	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.		
		Surrog	ates	% Recovered	OC LI	mits (%)		
		aaa-Toluen		98%	80	120		
		add I Villen						

Approval: <u>Approval</u> 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.

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

Page 2 of 2

3/5/03

Date

p.4

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Mar 05 03 12:55p

# **ENVIRONMENTAL LAB OF TEXAS**

### ANALYTICAL REPORT

Kristin Farris Rice Operating 122 W. Taylor Hobbs, NM 88			Order# Project Project Locatio	: Name: Jo	0305835 et. F-11 ME			
Lab ID:	0305835-01	<u> </u>						
Sample ID:	Btm. Comp. @ 7'							
Test Paran Parameter	neters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		106	mg/kg	I	20	9253	3/3/03	SB
Lab ID:	0305835-02	<u> </u>	·					
Sample ID:	Wall Comp. @ 5'							
Test Paran	meters			Dilution			Date	
Parameter		Result	Units	Factor	<u>RL</u>	Method	Analyzed	<u>Analyst</u>
Chloride		142	mg/kg	1	20	9253 /	3/3/03	SB
				Approval: Raland K.		Director, QA Offi	unl 3 icer I	<u>/5/13</u>

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

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

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# ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

Order#: G0305835

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004808-02			<10.0		
MS	SOIL	LAB-1D #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305835-01	0	952	875	91.9%	
MSD	SOIL.	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305835-01	0	952	809	85.%	7.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Rccovery	RPD
TOTAL, C6-C35-mg/kg		0004808-05		1000	822	82.2%	

ENVIRONMENTAL LAB OF TEXAS I, LTD.

# ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305835

BLANK	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		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Coucentr.	QC Test Result	Pct (%) Rccovery	RPD
Benzene-mg/kg		0305835-02	0	0.1	0.097	97.%	
Toluene-mg/kg		0305835-02	0	0.1	0.100	100.%	
Ethylbenzene-mg/kg		0305835-02	0	0.1	0.102	102.%	
p/m-Xylene-mg/kg		0305835-02	0	0.2	0.210	105.%	
o-Xylene-mg/kg		0305835-02	0	0.1	0.103	103.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0305835-02	0	0,1	0.098	98.%	1.%
Toluene-mg/kg		0305835-02	0	0.1	0.100	100.%	0.%
Ethylbenzene-mg/kg		0305835-02	0	0.1	0.101	101.%	1.%
p/m-Xylene-mg/kg		0305835-02	0	0.2	0.208	104.%	1.%
o-Xylene-mg/kg		0305835-02	0	0.1	0.102	102.%	1.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004839-05		0.1	0.098	98.%	
l'oluene-mg/kg		0004839-05		0.1	0.102	102.%	
Ethylbenzene-mg/kg		0004839-05		0.1	0.102	102.%	
p/m-Xylene-mg/kg		0004839-05	······································	0.2	0.211	105.5%	_,
o-Xylene-mg/kg		0004839-05		0.1	0.105	105.%	

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### **Test Parameters**

Order#: G0305835

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004828-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305835-01	106	1000	1100	99.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pet (%) Recovery	RPD
Chloride-mg/kg	· · · · · · · · · · · · · · · · · · ·	0305835-01	106	1000	1100	99.4%	0.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) <sup>.</sup> Recovery	RPD
Chloride-mg/kg		0004828-04		5000	4960	99.2%	

# Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763	Phone: 915 Fax: 915										. CH	IAIN (	DF C	UST	00Y	RECC	DRD .	AND	ANAI	_YSIS	; REQ	QUEST	r		
Project Manager:	Kristin	Farri	5									1	Proj	ect N	ame:	، د	,ct		F-	- 11					
· Company Name_	RICE OP	eratin	9	······································												_	-								
Company Address:	122 W. TO	ylor	J	·····									₽r	ojec	Loc:	1	EN	<u>IE</u>							
City/State/Zip: _	Hobbs, NI	n 882	40	···											P0 #:		7	49							_
	505)393-91			Fax No:	50	<u>s)</u>	39	7-1	14	7/															
Sampler Signature:	Anistin of	arria											r			<u></u>			<u> </u>					г	·
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63 <sup>0</sup>			e Sampled	Time Sampled	No. of Containers			IO		l 🖁 🛛	2 8		Other (spacify):	410	TPH TX 1005/1006	M015M	Metals: As Ag	Volatiles Semivrilatiles	BTEX 8021B/5030		Ţ			НТАТ	Standurd TAT
LAB # liad use chips	FIELD CODE		Date	4	No.		Ę	NaOH H,SO,	NCN	Other (	Water		Othe		Har	Ŧ	Nete	Sem			+	$\left  \right $	_	RUS	Stan
01 Btm 02 Wall	1. Comp. @ 7 1 Comp. @ 5	 _/	022503		1	χ κ	+		-	┼┤		X		<u>×</u>				╀	X	-+	╇	┿┥	+	╂╾┼	
	<u>comp. @3</u>		022503			N			+						+		-	$\uparrow$		┝╼┾╸			-	+	-
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Special Instructions:															1.2.2.2	mple mper			1000010101			Y	N		
Relinguished by:	Date	Time	Received by:						<u>.</u>	-	Date		1	Firne	- <b>l</b> a	boral	oty (	İdin	nent	12		۶Ľ			
4. Janin	02270	3 1630 Time																			72				
Lax Rose Relinguished by: <u>K. Lanis</u> Relinguished by: CA Haymu	Dale	Time	Proceeding to	LOT																					
LA Harmi	<u>~ 2-27-0</u>	17:36	fol.	_@/~/	eλ	2				12	-27	-03		936	<i>r</i> -										

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# **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

Apr 08 03 05:43p

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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.

· .			Date / Time	Date / Time		
Lab ID:	Sample :	<u>Matrix:</u>	Collected	Received	Container	<u>Preservative</u>
0306158-01	Remed. Comp.	SOIL	4/1/03	4/3/03	4 oz glass	Ice
				9;30		
La	<u>b Testing:</u>	Rejected: No	Ten	1 <b>p:</b> 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#: Project: Project Name Location:		306158 . F-11 E	
Lab ID: Sample ID;	0306158-01 Remed. Comp.						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Anałyzed</u> 4/4/03 14:03	Sample <u>Amount</u> 1	Dilutio <u>Factor</u> 1		Method 8015M
	ĺ	Parameter		Result mg/kg	1	RL	
		GRO, C6-C12	. <b>.</b>	<10.0		10.0	
		DRO, >C12-C35		186		10.0	
		TOTAL, C6-C35		186		10.0	
		Surroga	ates	% Recovered	QC Li	mits (%)	N
		1-Chlorooct	але	103%	70	130	
		1-Chlorooct	adecane	122%	70	130	
	Method		Date	Sample	Dilutio		Madead
	<u>Blank</u> 0005140-02	<u>Prepared</u>	<u>Analyzed</u> 4/3/03 20:27	<u>Amount</u> 1	<u>Factor</u> 25	<u>r Analyst</u> CK	Method 8021B
		Parameter	••• · · ·	Resul mg/kg		RL	
		Benzene		<0.024	5	0.025	
		Toluene		<0.025		0.025	
		Ethylbenzene p/m-Xylene		<0.025		0.025	
		o-Xylene		<0.02		0.025	
		Surroga	ates	% Recovered	QC Li	mits (%)	
		aaa-Toluen		97%	80	120	
		Bromofluor	obenzene	103%	80	120	
				. Ralar	oval: nd K. Tut	Ralan tle, Lab Director,	d KJull 4-00-03 QA Officer Date

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.

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 88			Order# Project Project Locatio	: Name: Jo	9306158 st. F-11 ME												
Lab ID: Sample ID:	0306158-01 Rcmed. Comp.																
Test Parameters Parameter		<u>Result</u>	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>									
Chloride		<20.0	mg/kg	1	20	9253	4/7/03	СК									

Kalandk 08-03 Approval: Date

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.

RL = Reporting Limit N/A = Not Applicable Page 1 of 1

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# ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

### 8015M

Order#: G0306158

BLANK	SOIL	LAB-JD#	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	,	0005139-02	·····		<10.0		
MS	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%	
MSD	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%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005139-05		1000	997	. 99.7%	

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# ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306158

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr,	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-02			. <0.025		
Foluene-mg/kg		0005140-02			<0.025		
Ethylbenzene-mg/kg		0005140-02	······································		<0.025		
o/m-Xylene-mg/kg		0005140-02			<0.025		
-Xylene-mg/kg		0005140-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr,	QC Test Result	Pct (%) Recovery	RPD
Jenzene-mg/kg		0306165-02	0	0.1	0.102	102.%	
Foluenc-mg/kg		0306165-02	0	0.1	0.104	104.%	
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.105	105.%	
o/m-Xylene-mg/kg		0306165-02	0	0.2	0.219	109.5%	
-Xylene-mg/kg		0306165-02	0	0.1	0.105	105.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306165-02	0	0.1	0.105	105.%	2.9%
Foluene-mg/kg		0306165-02	0	0.1	0.107	107.%	2.8%
Ethylbenzene-mg/kg		0306165-02	0	0.1	0.110	110.%	4.7%
o/m-Xylene-mg/kg		0306165-02	0	0.2	0.229	114.5%	4.5%
-Xylcne-mg/kg		0306165-02	0	0.1	0.111	111.%	5.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005140-05		0.1	0.091	91.%	
foluene-mg/kg		0005140-05	······································	0.1	0.094	94.%	
Ethylbenzene-mg/kg		0005140-05		0.1	0.102	102.%	
o/m-Xylene-mg/kg		0005140-05		0.2	0.216	108.%	
o-Xylene-mg/kg		0005140-05		0.1	0.097	97.%	,

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Apr 08 03 05:45p

# ENVIRONMENTAL LAB OF TEXAS

### QUALITY CONTROL REPORT

### **Test Parameters**

Order#: G0306158

BLANK	SOIL	LAB-1D#	Sample Concentr,	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005155-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spikc Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306157-01	248	500	762	102.8%	0.%
SRM	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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# Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763		Phone: 915-56 Fax: 916-56										. (	CHAIN	OF C	UST	לםכ	REC	ORD	AND	ANA	LYSI	S REC	QUEST	r		
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# **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