

1R - 427 - 94

REPORTS

DATE:

4-22-2002

120427-94

DISCLOSURE REPORT

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	O-33	O	33	19S	37E	LEA	Length 12	Width 10	Depth 5

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER JOE RAY WILLIAMS OTHER _____

Depth to Groundwater < 50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/22/2002 Date Completed 3/27/2002 OCD Witness NO

Soil Excavated 220 cubic yards Excavation Length 30 Width 20 Depth 15' feet

Soil Disposed 180 cubic yards Offsite Facility J&L LANDFARM Location MONUMENT

ANALYTICAL RESULTS: Sample Date 3/27/2002 Sample Depth 15'

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	42.7	465
BOTTOM	<0.025	<0.025	<0.025	<0.025	<100	175	815

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

Vertical delineation found chlorides of 550 ppm and TPH of 200 ppm @ 15' bgs.

The walls were excavated to 400 ppm chlorides. A compacted clay barrier to vertical transmissivity was installed on the bottom and walls. A water tight junction box was also installed. The high impact soil was hauled to a permitted disposal facility and the site was backfilled with fresh soil. Natural attenuation will remediate the remaining hydrocarbon.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	10'	400
BOTTOM	15'	700
Vertical Trench	6'	950
	8'	800
	10'	550
	12'	400

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

DATE April 22, 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 0-33

Order#: G0202971

Report Date: 04/08/2002

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#: G0202971
Project:
Project Name: Rice Operating
Location: O-33

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>
0202971-01	5 pt. Bottom Comp. @ 15'	SOIL	03/27/2002 14:08	04/01/2002 12:00	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 15.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0202971-02	4 pt. Wall Comp. @ 10'	SOIL	03/22/2002 15:00	04/01/2002 12:00	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 15.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0202971
Project:
Project Name: Rice Operating
Location: O-33

Lab ID: 0202971-01
Sample ID: 5 pt. Bottom Comp. @ 15'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		04/05/2002	1	10	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	175	100
GRO, C6-C12	<100	100
TOTAL, C6-C35	175	100

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0001102-02		04/04/2002 15:34	1	1	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: 0202971-02
Sample ID: 4 pt. Wall Comp. @ 10'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		04/05/2002	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	42.7	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	42.7	10.0

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0202971
Project:
Project Name: Rice Operating
Location: O-33

Lab ID: 0202971-02
Sample ID: 4 pt. Wall Comp. @ 10'

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>		
0001102-02		04/04/2002 18:33	1	1	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:

Ral. dt 4/20/02
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.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0202971
Project:
Project Name: Rice Operating
Location: O-33

Lab ID: 0202971-01
Sample ID: 5 pt. Bottom Comp. @ 15'

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	815	mg/kg	1	5.0	9253	04/04/2002	SB

Lab ID: 0202971-02
Sample ID: 4 pt. Wall Comp. @ 10'

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	465	mg/kg	1	5.0	9253	04/04/2002	SB

Approval:

Roland K. Tuttle 4-8-02
Date
Roland 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.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0202971

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001114-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0202971-02	42.7	952	1111	112.2%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0202971-02	42.7	952	1161	117.5%	4.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001114-05		1000	954	95.4%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0202971

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0001102-02			<25.0		
Ethylbenzene-µg/kg		0001102-02			<25.0		
Toluene-µg/kg		0001102-02			<25.0		
p/m-Xylene-µg/kg		0001102-02			<25.0		
o-Xylene-µg/kg		0001102-02			<25.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0202960-17	0	100	110	110.0%	
Ethylbenzene-µg/kg		0202960-17	0	100	112	112.0%	
Toluene-µg/kg		0202960-17	0	100	112	112.0%	
p/m-Xylene-µg/kg		0202960-17	0	200	226	113.0%	
o-Xylene-µg/kg		0202960-17	0	100	112	112.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0202960-17	0	100	115	115.0%	4.4%
Ethylbenzene-µg/kg		0202960-17	0	100	114	114.0%	1.8%
Toluene-µg/kg		0202960-17	0	100	116	116.0%	3.5%
p/m-Xylene-µg/kg		0202960-17	0	200	239	119.5%	5.6%
o-Xylene-µg/kg		0202960-17	0	100	112	112.0%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg		0001102-05		100	110	110.0%	
Ethylbenzene-µg/kg		0001102-05		100	112	112.0%	
Toluene-µg/kg		0001102-05		100	110	110.0%	
p/m-Xylene-µg/kg		0001102-05		200	228	114.0%	
o-Xylene-µg/kg		0001102-05		100	112	112.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0202971

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0001077-01			<5.00		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0202987-01	727	500	1230	100.6%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0202987-01	727	500	1220	98.6%	0.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0001077-04		5000	5050	101.1%	



J & L LANDFARM, INC.

P.O. BOX 356

HOBBS, NEW MEXICO 88241-0356

PHONE (505) 393-9697 • PERMIT # NM-01-0023

0227

Generator/Company RICE OPERATING CO.

Authorized Representative DONNIE ANDERSON

Originating Site O-33 Junction
SEC. 33 T-19S R-37E

Transporter REE ENVIRONMENTAL SERVICES

Authorized Representative [Signature]

Brief Description of Material Non-HAZ SOIL

Estimated Volume 180 yards

TPH SEE TEST

BE-TEX 11 11

CERTIFICATE OF CHEMICAL ANALYSIS (if required) N/A

[Signature]
FACILITY AUTHORIZED REPRESENTATIVE

MARCH 27, 2002
DATE

B-3186

EME O-33 Jct. Box Upgrade



NORM Removal



New Plumbing

EME O-33 Jet. Box Upgrade



↓ Environmental Remediation ↑



Completed Junction Box