

1R - 427 - 87

REPORTS

DATE:

4-15-2002

1R0427-87

DISCLOSURE REPORT

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	H-20	H	20	20S	37E	LEA	Length	Width	Depth

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

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

Date Started 03/01/2002 Date Completed 03/07/2002 OCD Witness NO

Soil Excavated 120 cubic yards Excavation Length 30 Width 20 Depth 11' feet

Soil Disposed 0 cubic yards Offsite Facility _____ Location _____

ANALYTICAL RESULTS: Sample Date 03/07/2002 Sample Depth 11'

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	<10	80
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	160

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

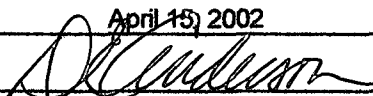
Vertical delineation found chlorides of 1000 ppm and TPH of 13 ppm @ 15' bgs. Vertical

delineation is incomplete. Lateral delineation found chlorides of 100 ppm or less @ 11' bgs in all four directions. A compacted clay barrier was installed. The excavated soil was blended to 250 ppm chlorides and used as backfill. This site is no longer a junction and no box is required.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	10'	100
BOTTOM	11'	200
Vertical Trench	9'	800
	11'	300
	13'	700
	15'	1000
10' E	11'	50
10' S	11'	100
10' W	11'	100
20' N	11'	50

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

DATE April 15, 2002 PRINTED NAME D. E. Anderson
SIGNATURE  TITLE Project Leader - Environmental

ANALYTICAL REPORT

Prepared for:

ROB ELAM
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Project: Rice H-20

Order#: G0202776

Report Date: 03/13/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768
366-0804

Order#: G0202776
Project:
Project Name: Rice
Location: H-20

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>
0202776-01	4pt Wall Comp. @10'	SOIL	03/07/2002 15:00	03/08/2002 15:35	4 oz Glass	n/a
<u>Lab Testing:</u> Rejected: No Temp: 4C						
8015M TPH GRO/DRO						
8021B/5030 BTEX						
Chloride						
0202776-02	5pt Bottom Comp @11'	SOIL	03/08/2002 13:00	03/08/2002 15:35	4 oz Glass	n/a
<u>Lab Testing:</u> Rejected: No Temp: 4C						
8015M TPH GRO/DRO						
8021B/5030 BTEX						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

ROB ELAM
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0202776
Project:
Project Name: Rice
Location: H-20

Lab ID: 0202776-01
Sample ID: 4pt Wall Comp. @10'

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		03/11/2002	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C28	<10.0	10.0
Total C6-C28	<10.0	10.0

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000830-02		03/13/2002 21:33	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

Lab ID: 0202776-02
Sample ID: 5pt Bottom Comp @11'

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		03/11/2002	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C28	<10.0	10.0
Total C6-C28	<10.0	10.0

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

ROB ELAM
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

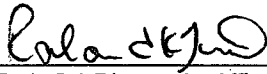
Order#: G0202776
Project:
Project Name: Rice
Location: H-20

Lab ID: 0202776-02
Sample ID: 5pt Bottom Comp @11'

8021B/5030 BTEX

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000830-02		03/13/2002 21:54	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: 
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

3-14-02
Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

ROB ELAM
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0202776
Project:
Project Name: Rice
Location: H-20

Lab ID: 0202776-01
Sample ID: 4pt Wall Comp. @10'

Test Parameters

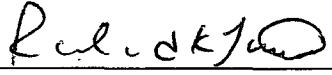
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	80.0	mg/kg	1	10	9253	03/11/2002	SB

Lab ID: 0202776-02
Sample ID: 5pt Bottom Comp @11'

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	160	mg/kg	1	10	9253	03/11/2002	SB

Approval:

 3-14-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M TPH GRO/DRO

Order#: G0202776

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0000838-02			<10.0		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0202763-04	17.7	952	857	88.2%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0202763-04	17.7	952	1150	118.9%	29.2%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0000838-05		1000	1023	102.3%	0.0%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0202776

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000830-02			<25.0		
Ethylbenzene-µg/kg	0000830-02			<25.0		
Toluene-µg/kg	0000830-02			<25.0		
p/m-Xylene-µg/kg	0000830-02			<25.0		
o-Xylene-µg/kg	0000830-02			<25.0		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202753-01	0	100	111	111.0%	
Ethylbenzene-µg/kg	0202753-01	0	100	114	114.0%	
Toluene-µg/kg	0202753-01	0	100	113	113.0%	
p/m-Xylene-µg/kg	0202753-01	0	200	230	115.0%	
o-Xylene-µg/kg	0202753-01	0	100	113	113.0%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202753-01	0	100	108	108.0%	2.7%
Ethylbenzene-µg/kg	0202753-01	0	100	110	110.0%	3.6%
Toluene-µg/kg	0202753-01	0	100	110	110.0%	2.7%
p/m-Xylene-µg/kg	0202753-01	0	200	225	112.5%	2.2%
o-Xylene-µg/kg	0202753-01	0	100	109	109.0%	3.6%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000830-05		100	111	111.0%	0.0%
Ethylbenzene-µg/kg	0000830-05		100	113	113.0%	0.0%
Toluene-µg/kg	0000830-05		100	113	113.0%	0.0%
p/m-Xylene-µg/kg	0000830-05		200	228	114.0%	0.0%
o-Xylene-µg/kg	0000830-05		100	113	113.0%	0.0%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0202776

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000815-01			<5.00		
CONTROL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000815-02		5000	5050	101.1%	
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202753-01	742	625	1370	100.5%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202753-01	742	625	1380	102.1%	0.7%

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Fax No:

Sample Containers Intact?
Temperature Upon Receipt
Laboratory Comments