

1R - 428-21

REPORTS

DATE:

Nov. 14, 2002

IR-428-21

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
HOBBS	B-24	B	24	18S	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 11/11/2002 Date Completed 11/11/2002 OCD Witness NO

Soil Excavated 36 cubic yards Excavation Length 18' Width 12' Depth 4 feet

Soil Disposed _____ cubic yards Offsite Facility _____ Location _____

FINAL ANALYTICAL RESULTS: Sample Date 11/11/2002 Sample Depth 4

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	13.2	319
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	39.4	603

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

Remediated soil on-site and backfilled. This site is part of the Hobbs SWD System and a junction box is not required.

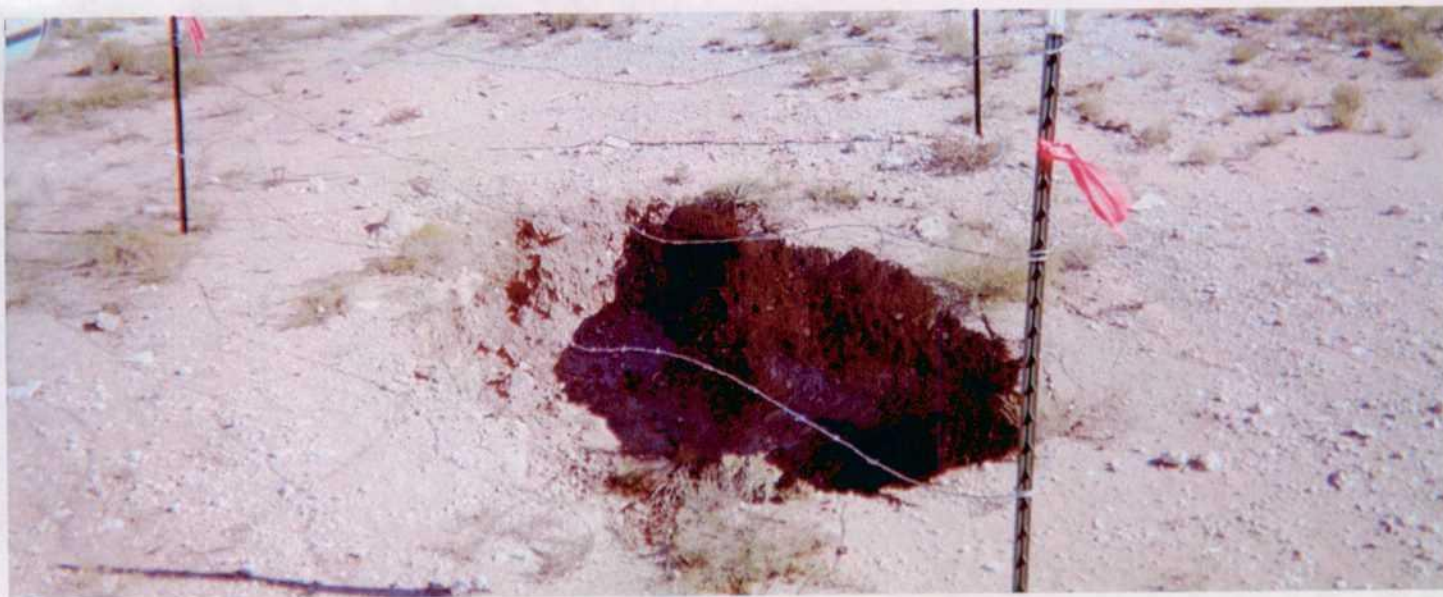
CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	3'	315
BOTTOM	4'	550
Vertical	5'	165

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

DATE November 14, 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 79768**

Project: Rice

PO#:

Order#: G0204988

Report Date: 11/13/2002

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#: G0204988
Project: None Given
Project Name: Rice
Location: B-24

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>
0204988-01	3 pt. Bottom Comp. @ 4'	SOIL	11/11/02 14:00	11/11/02 17:15	4 oz Glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1 C			
8015M						
8021B/5030 BTEX						
Chloride						
0204988-02	4 pt. Wall Comp. @ 3'	SOIL	11/11/02 14:00	11/11/02 17:15	4 oz Glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1 C			
8015M						
8021B/5030 BTEX						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0204988
Project: None Given
Project Name: Rice
Location: B-24

Lab ID: 0204988-01
Sample ID: 3 pt. Bottom Comp. @ 4'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		11/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	39.4	10.0
TOTAL, C6-C35	39.4	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	93%	70	130
1-Chlorooctadecane	95%	70	130

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
0003726-02		11/12/02 16:39	1	25	CK	8021B

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

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	90%	80	120
Bromofluorobenzene	94%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0204988
Project: None Given
Project Name: Rice
Location: B-24

Lab ID: 0204988-02
Sample ID: 4 pt. Wall Comp. @3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		11/12/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	13.2	10.0
TOTAL, C6-C35	13.2	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	89%	70	130
1-Chlorooctadecane	92%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003726-02		11/12/02 17:01	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<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	98%	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

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DEREK ROBINSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0204988
Project: None Given
Project Name: Rice
Location: B-24

Lab ID: 0204988-01
Sample ID: 3 pt. Bottom Comp. @ 4'

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	603	mg/kg	1	20	9253	11/12/02	SB

Lab ID: 0204988-02
Sample ID: 4 pt. Wall Comp. @ 3'

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	319	mg/kg	1	20	9253	11/12/02	SB

Approval:

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

11/12/02
Date

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204988

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003728-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204988-02	13.2	952	951	98.5%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204988-02	13.2	952	930	96.3%	2.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003728-05		1000	1030	103.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204988

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003726-02			<0.025		
Ethylbenzene-mg/kg		0003726-02			<0.025		
Toluene-mg/kg		0003726-02			<0.025		
p/m-Xylene-mg/kg		0003726-02			<0.025		
o-Xylene-mg/kg		0003726-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204980-03	0	0.1	0.102	102.0%	
Ethylbenzene-mg/kg		0204980-03	0	0.1	0.108	108.0%	
Toluene-mg/kg		0204980-03	0	0.1	0.106	106.0%	
p/m-Xylene-mg/kg		0204980-03	0	0.2	0.227	113.5%	
o-Xylene-mg/kg		0204980-03	0	0.1	0.110	110.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204980-03	0	0.1	0.100	100.0%	2.0%
Ethylbenzene-mg/kg		0204980-03	0	0.1	0.104	104.0%	3.8%
Toluene-mg/kg		0204980-03	0	0.1	0.102	102.0%	3.8%
p/m-Xylene-mg/kg		0204980-03	0	0.2	0.219	109.5%	3.6%
o-Xylene-mg/kg		0204980-03	0	0.1	0.105	105.0%	4.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003726-05		0.1	0.103	103.0%	
Ethylbenzene-mg/kg		0003726-05		0.1	0.105	105.0%	
Toluene-mg/kg		0003726-05		0.1	0.105	105.0%	
p/m-Xylene-mg/kg		0003726-05		0.2	0.220	110.0%	
o-Xylene-mg/kg		0003726-05		0.1	0.107	107.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204988

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003721-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204971-01	1170	1000	2160	99.2%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204971-01	1170	1000	2180	101.2%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003721-04		5000	4960	99.2%	

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Derek Robinson

Project Name:

Rice

Company Name

RE

Project #:

Company Address:

Project Loc:

B-24

City/State/Zip:

PO #:

Telephone No:

Fax No:

Sampler Signature:

[Signature]

(lab use only)
ORDER #:

0204988

FIELD CODE

3pt. Bottom Comp. @ 4'

4pt. Wall Comp. @ 3'

Date Sampled
11-11-02 2:00 PM
11-11-02 2:00 PM

Time Sampled

No. of Containers

Matrix

Preservative

Ice

HNO₃

HCl

NaOH

H₂SO₄

None

Other (Specify)

Water

Sludge

Soil

Other (Specify)

TPH: 418.1 8015M) 1005 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, CO₃, HCO₃)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030

RCI

Standard TAT

Analyze For:

TCLP:

TOTAL:

Special Instructions:

Sample Containers Intact?

Temperature Upon Receipt:

Laboratory Comments:

Rec 1.0°C

402 GUS

Date

Time

Received by:

[Signature]

Date

Time

Received by ELDT:

[Signature]

Date

Time

Received by:

[Signature]

Date

Time

Received by:

[Signature]

Date

Time

Received by ELDT:

[Signature]

Date

Time

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