

1R - 428-77

REPORTS

DATE:

DEC 26, 2002

Hobbs, SWD H-32

IR-428-97

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Hobbs	H-32	H	32	18 S	37 E	Lea	no box	XXX	XXX

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

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

Date Started 12/4/2002 Date Completed 12/20/2002 OCD Witness No

Soil Excavated 0 cubic yards Excavation Length n/a Width n/a Depth n/a feet

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

FINAL ANALYTICAL RESULTS: Sample Date 12/5/2002 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.

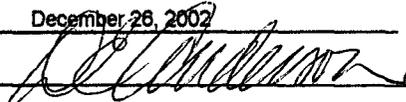
Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10.0	238	142
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	142
REMIEDIATED	n/a	n/a	n/a	n/a	n/a	n/a	n/a

General Description of Remedial Action: This junction box is part of the Hobbs system abandonment, therefore a new box is not required. The site did not exhibit any visible signs of impact. Field tests of bottom and wall composite samples found impact below NMOCD guidelines. The box lumber was removed and the hole was backfilled with clean soil and contoured to the surrounding landscape.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	ppm
Bottom Comp.	4'	135
Wall Comp.	3'	122

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

DATE December 26, 2002 PRINTED NAME D.E. Anderson
SIGNATURE  TITLE Projects Leader - Environmental

ANALYTICAL REPORT

Prepared for:

TONY SOLIS
RE ENVIRONMENTAL SERVICES, INC.
P.O. BOX 13418
ODESSA, TX 79768-3418

Project: Rice *H38*
PO#:
Order#: G0205181
Report Date: 12/11/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RE ENVIRONMENTAL SERVICES, INC.
P.O. BOX 13418
ODESSA, TX 79768-3418
915-366-0804

Order#: G0205181
Project:
Project Name: Rice
Location: H-32

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 Collected</u>	<u>Date / Time Received</u>	<u>Container</u>	<u>Preservative</u>
0205181-01	Bottom Comp. @ 5'	SOIL	12/5/02 16:00	12/6/02 7:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0205181-02	Wall Comp. @ 3'	SOIL	12/5/02 16:00	12/6/02 7:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

TONY SOLIS
 RE ENVIRONMENTAL SERVICES, INC.
 P.O. BOX 13418
 ODESSA, TX 79768-3418

Order#: G0205181
 Project:
 Project Name: Rice
 Location: H-32

Lab ID: 0205181-01
 Sample ID: Bottom Comp. @ 5'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor		
		12/6/02	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	109%	70	130
1-Chlorooctadecane	124%	70	130

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor		
0004021-02		12/10/02	1	25	CK	8021B
		17:51				

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	89%	80	120
Bromofluorobenzene	95%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

TONY SOLIS
 RE ENVIRONMENTAL SERVICES, INC.
 P.O. BOX 13418
 ODESSA, TX 79768-3418

Order#: G0205181
 Project:
 Project Name: Rice
 Location: H-32

Lab ID: 0205181-02
 Sample ID: Wall Comp. @ 3'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		12/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	238	10.0
TOTAL, C6-C35	238	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	119%	70	130
1-Chlorooctadecane	134%	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
0004021-02		12/10/02 18:12	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	97%	80	120
Bromofluorobenzene	96%	80	120

Approval: Roland K Tuttle 12-11-02
 Roland 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.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

TONY SOLIS
RE ENVIRONMENTAL SERVICES, INC.
P.O. BOX 13418
ODESSA, TX 79768-3418

Order#: G0205181
Project:
Project Name: Rice
Location: H-32

Lab ID: 0205181-01
Sample ID: Bottom 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	12/6/02	SB

Lab ID: 0205181-02
Sample ID: 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	142	mg/kg	1	20	9253	12/6/02	SB

Approval: Raland K Tuttle 12-11-02
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.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0205181

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL				<10.0		
TOTAL, C6-C35-mg/kg		0003997-02					
CONTROL		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL						
TOTAL, C6-C35-mg/kg		0003997-03		952	961	100.9%	
CONTROL DUP		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL						
TOTAL, C6-C35-mg/kg		0003997-04		952	916	96.2%	4.8%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL						
TOTAL, C6-C35-mg/kg		0003997-05		1000	890	89.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205181

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004021-02			<0.025		
Ethylbenzene-mg/kg		0004021-02			<0.025		
Toluene-mg/kg		0004021-02			<0.025		
p/m-Xylene-mg/kg		0004021-02			<0.025		
o-Xylene-mg/kg		0004021-02			<0.025		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004021-03		0.1	0.096	96.%	
Ethylbenzene-mg/kg		0004021-03		0.1	0.100	100.%	
Toluene-mg/kg		0004021-03		0.1	0.100	100.%	
p/m-Xylene-mg/kg		0004021-03		0.2	0.212	106.%	
o-Xylene-mg/kg		0004021-03		0.1	0.101	101.%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004021-04		0.1	0.101	101.%	5.1%
Ethylbenzene-mg/kg		0004021-04		0.1	0.105	105.%	4.9%
Toluene-mg/kg		0004021-04		0.1	0.104	104.%	3.9%
p/m-Xylene-mg/kg		0004021-04		0.2	0.221	110.5%	4.2%
o-Xylene-mg/kg		0004021-04		0.1	0.106	106.%	4.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004021-05		0.1	0.098	98.%	
Ethylbenzene-mg/kg		0004021-05		0.1	0.100	100.%	
Toluene-mg/kg		0004021-05		0.1	0.100	100.%	
p/m-Xylene-mg/kg		0004021-05		0.2	0.212	106.%	
o-Xylene-mg/kg		0004021-05		0.1	0.102	102.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0205181

<i>BLANK</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003986-01			<20.0		
<i>MS</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205162-01	70.9	1000	1060	98.9%	
<i>MSD</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0205162-01	70.9	1000	1060	98.9%	0.0%
<i>SRM</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003986-04		5000	4960	99.2%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

RE ENVIRONMENTAL SERVICES, INC.
P.O. BOX 13418
ODESSA, TX 79768-3418

Order#: G0205181

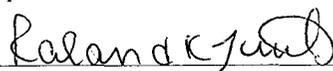
Project: Rice

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
Bottom Comp. @ 5'	0205181-01	SOIL	12/05/2002	12/06/2002
Wall Comp. @ 3'	0205181-02	SOIL	12/05/2002	12/06/2002

Surrogate recoveries on the 8015M TPH are outside control limits due to matrix interference from coeluting compounds. (0205181-02)

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By:  Date: 12-11-02
Environmental Lab of Texas I, Ltd.

