

1R - 428-22

REPORTS

DATE:

Dec 5, 2002

1R-428-22

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	A-38-1	A	38	18S	37E	LEA			

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER VERNON JONES OTHER _____

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

Date Started 12/5/2002 Date Completed 12/5/2002 OCD Witness NO

Soil Excavated 100 cubic yard Excavation Length 18' Width 12' Depth 6 feet

Soil Disposed _____ cubic yards Offsite Facility _____ Location _____

FINAL ANALYTICAL RESULTS: Sample Date 12/5/2002 Sample Depth 6'

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	<0.005	<0.005	<0.005	<0.015	<10	<10	<20
BOTTOM	<0.005	<0.005	<0.005	<0.015	<10	<10	<20

General Description of Remedial Action: Delineated vertically to 8' bgs. TPH impact

stopped above 6' bgs. Field tests indicated impact did not affect ground water.

Backfilled with blended soil and contoured to surrounding terrain. This site is part of the Hobbs SWD system abandonment and a junction box is not required.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	5'	127
BOTTOM	6'	119
Backfill	-	160
Vertical Trench	6'	126
	8'	133

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

DATE December 5, 2002 PRINTED NAME D. E. Anderson

SIGNATURE *D. E. Anderson* TITLE Project Leader - Environmental

ANALYTICAL REPORT

Prepared for:

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

Project: Rice

PO#:

Order#: G0205180

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#: G0205180
Project:
Project Name: Rice
Location: A-36-1

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>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0205180-01	Wall Comp. @ 3'	SOIL	12/5/02 10:30	12/6/02 7:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0205180-02	Bottom Comp. @ 6'	SOIL	12/5/02 10:30	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#: G0205180
Project:
Project Name: Rice
Location: A-36-1

Lab ID: 0205180-01
Sample ID: Wall Comp. @ 3'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		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	122%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004021-02		12/10/02 17:07	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	82%	80	120
Bromofluorobenzene	91%	80	120

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0205180
Project:
Project Name: Rice
Location: A-36-1

Lab ID: 0205180-02
Sample ID: Bottom Comp. @ 6'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		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	125%	70	130
1-Chlorooctadecane	130%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004021-02		12/10/02 17:29	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	86%	80	120
Bromofluorobenzene	93%	80	120

Approval:

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.

Date

Roland K. Tuttle 12-11-02

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0205180
Project:
Project Name: Rice
Location: A-36-1

Lab ID: 0205180-01
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	<20.0	mg/kg	1	20	9253	12/6/02	SB

Lab ID: 0205180-02
Sample ID: Bottom Comp. @ 6'

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	<20.0	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#: G0205180

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003995-02			<10.0		
TOTAL, C6-C35-mg/kg		0003997-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003997-03		952	961	100.9%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003997-04		952	916	96.2%	4.8%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0205180-01	0	952	979	102.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0205180-01	0	952	964	101.3%	1.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003995-05		1000	880	88.%	
TOTAL, C6-C35-mg/kg		0003997-05		1000	890	89.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205180

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#: G0205180

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

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Odessa, Texas 79763**

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~~_____~~ Tony Solis

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Rice

Project #:

Project Loc:

PO#:

Fax No:

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