

1R - 428-20

REPORTS

DATE:

DEC 5, 2002

IR-428-20

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
HOBBS	B-9	B	9	19S	38E	LEA	Length	Width	Depth

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ OXY PERMIAN _____ OTHER _____

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

Date Started 12/4/2002 Date Completed 12/4/2002 OCD Witness NO

Soil Excavated 100 cubic yard Excavation Length 16' Width 16' Depth 11 feet

Soil Disposed _____ cubic yards Offsite Facility _____ Location _____

FINAL ANALYTICAL RESULTS: Sample Date 12/4/2002 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	89	284
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	90	390

General Description of Remedial Action: Delineated vertically to 11' bgs. TPH impact

stopped above 13' bgs. Field tests indicated impact did not affect ground water.

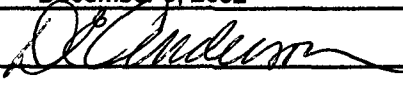
Backfilled with blended soil and contoured to surrounding terrain. This site is part of the Hobbs
SWD system abandonment and a junction box is not required.

CHLORIDE/TPH FIELD TESTS

LOCATION	DEPTH	TPH	mg/kg
SIDEWALLS	10'	278	245
BOTTOM	11'		562
Backfill			420
Vertical Trench	9'	63	440
	11'		557
	13'	37	180

**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  TITLE Project Leader - Environmental

ANALYTICAL REPORT

Prepared for:

LOGAN ANDERSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Project: Rice

B-9

PO#:

Order#: G0205176

Report Date: 12/11/2002

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#: G0205176
Project: None Given
Project Name: Rice
Location: B-9

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>
0205176-01	Bottom Comp. @ 11'	SOIL	12/4/02	12/5/02	4 oz Glass	Ice
			11:00	9:10		
	<u>Lab Testing:</u>	Rejected: No		Temp: 9 C		
	8015M					
	8021B/5030 BTEX Chloride					
0205176-02	Wall Comp. @ 10'	SOIL	12/4/02	12/5/02	4 oz Glass	Ice
			11:00	9:10		
	<u>Lab Testing:</u>	Rejected: No		Temp: 9 C		
	8015M					
	8021B/5030 BTEX Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

LOGAN ANDERSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0205176
Project: None Given
Project Name: Rice
Location: B-9

Lab ID: 0205176-01
Sample ID: Bottom Comp. @ 11'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		12/5/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	89.9	10.0
TOTAL, C6-C35	89.9	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	84%	70	130
1-Chlorooctadecane	94%	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 14:55	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	92%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

LOGAN ANDERSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0205176
Project: None Given
Project Name: Rice
Location: B-9

Lab ID: 0205176-02
Sample ID: Wall Comp. @ 10'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		12/5/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	89.3	10.0
TOTAL, C6-C35	89.3	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	88%	70	130
1-Chlorooctadecane	100%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004021-02		12/10/02 15:17	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	88%	80	120
Bromofluorobenzene	91%	80	120

Approval: Jeanne McMurrey 12-11-02
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

LOGAN ANDERSON
RE ENVIRONMENTAL
P.O. BOX 13418
ODESSA, TX 79768

Order#: G0205176
Project: None Given
Project Name: Rice
Location: B-9

Lab ID: 0205176-01
Sample ID: 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	390	mg/kg	1	20	9253	12/6/02	SB

Lab ID: 0205176-02
Sample ID: 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	284	mg/kg	1	20	9253	12/6/02	SB

Approval: Jeanne McMurrey 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#: G0205176

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004012-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004012-03		952	988	103.8%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004012-04		952	963	101.2%	2.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004012-05		1000	959	95.9%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0205176

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#: G0205176

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%	

Environmental Lab of Texas I, Ltd.

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Logan Anderson

Rice

72

Project #:

Company Address:

B-9

City/State/Zip:

PO #:

Telephone No:

Fax No:

[illegible]

