

1R - 427 - 83

REPORTS

DATE:

3 - 20 - 2002

IR 427-83

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	L-19-2	L	19	20S	37E	LEA	Length 12	Width 10	Depth 5

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

Depth to Groundwater 37 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 02/27/2002 Date Completed 02/28/2002 OCD Witness NO

Soil Excavated 80 cubic yards Excavation Length 15 Width 25 Depth 8 feet

Soil Disposed 36 cubic yards Offsite Facility SOUTH MONUMENT Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 02/27/2002 Sample Depth 8'

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	0.033	<10	<10	18
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10	<10	26
Vertical @ 14'	<0.025	<0.025	0.053	<0.025	<10	<10	186

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

CHLORIDE FIELD TESTS

Found impact below NMOCD guidelines. Installed a compact clay barrier and water tight junction box. High impact soil was hauled to a permitted disposal facility. Backfilled with blended soil.

LOCATION	DEPTH	mg/kg
SIDEWALLS	7'	50
BOTTOM	8'	50
Vertical trench	6'	250
	10'	100
	14'	200

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

DATE March 20, 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 79764

Project: Rice L-19-2
Order#: G0202690
Report Date: 03/05/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RE Environmental
P.O. Box 13418
Odessa, TX 79764
366-0804

Order#: G0202690
Project:
Project Name: Rice
Location: L-19-2

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>
0202690-01	TPV @ 14'	SOIL	02/27/2002 10:00	02/27/2002 16:30	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M TPH GRO/DRO					
	8021B/5030 BTEX					
	Chloride					
0202690-02	4 pt. Comp. Wall @ 7'	SOIL	02/27/2002 11:00	02/27/2002 16:30	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M TPH GRO/DRO					
	8021B/5030 BTEX					
	Chloride					
0202690-03	5 pt. Comp. Bottom @ 8'	SOIL	02/27/2002 15:00	02/27/2002 16:30	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M TPH GRO/DRO					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Derek Robinson
RE Environmental
P.O. Box 13418
Odessa, TX 79764

Order#: G0202690
Project:
Project Name: Rice
Location: L-19-2

Lab ID: 0202690-01
Sample ID: TPV @ 14'

8015M TPH GRO/DRO

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000723-02		2/28/02 13:59	1	1	CK	8015

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

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000718-02		2/28/02 13:16	1	25	CK	8021B

Parameter	Result µg/kg	RL
Benzene	< 25.0	25.0
Ethylbenzene	52.7	25.0
Toluene	< 25.0	25.0
p/m-Xylene	< 25.0	25.0
o-Xylene	< 25.0	25.0

Lab ID: 0202690-02
Sample ID: 4 pt. Comp. Wall @ 7'

8015M TPH GRO/DRO

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000723-02		2/28/02 14:09	1	1	CK	8015

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

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

Page 1 of 3

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Derek Robinson
RE Environmental
P.O. Box 13418
Odessa, TX 79764

Order#: G0202690
Project:
Project Name: Rice
Location: L-19-2

Lab ID: 0202690-02
Sample ID: 4 pt. Comp. Wall @ 7'

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>
0000718-02		2/28/02 13:37	1	25	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	33.4	25.0
o-Xylene	< 25.0	25.0

Lab ID: 0202690-03
Sample ID: 5 pt. Comp. Bottom @ 8'

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>
0000723-02		2/28/02 14:47	1	1	CK	8015

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Derek Robinson
RE Environmental
P.O. Box 13418
Odessa, TX 79764

Order#: G0202690
Project:
Project Name: Rice
Location: L-19-2

Lab ID: 0202690-03
Sample ID: 5 pt. Comp. Bottom @ 8'

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>
0000718-02		2/28/02 13:58	1	25	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.

3-05-02

Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Derek Robinson
RE Environmental
P.O. Box 13418
Odessa, TX 79764

Order#: G0202690
Project:
Project Name: Rice
Location: L-19-2

Lab ID: 0202690-01
Sample ID: TPV @ 14'

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	186	mg/kg	1	10	9253	03/04/2002	SB

Lab ID: 0202690-02
Sample ID: 4 pt. Comp. Wall @ 7'

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	18.0	mg/kg	1	10	9253	03/04/2002	SB

Lab ID: 0202690-03
Sample ID: 5 pt. Comp. Bottom @ 8'

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	26.0	mg/kg	1	10	9253	03/04/2002	SB

Approval:

Raland K. Tuttle
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.

3-05-02

Date

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M TPH GRO/DRO

Order#: G0202690

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000723-02			<10.0		
DRO, >C12-C28-mg/kg	0000723-02			<10.0		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202690-03	0	476	478	100.4%	
DRO, >C12-C28-mg/kg	0202690-03	0	476	492	103.4%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202690-03	478	476	502	105.5%	4.9%
DRO, >C12-C28-mg/kg	0202690-03	492	476	520	109.2%	5.5%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000723-05		500	549	109.8%	0.0%
DRO, >C12-C28-mg/kg	0000723-05		500	515	103.0%	0.0%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0202690

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000718-02			<25.0		
Ethylbenzene-µg/kg	0000718-02			<25.0		
Toluene-µg/kg	0000718-02			<25.0		
p/m-Xylene-µg/kg	0000718-02			<25.0		
o-Xylene-µg/kg	0000718-02			<25.0		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202690-03	0	2500	2430	97.2%	
Ethylbenzene-µg/kg	0202690-03	0	2500	2570	102.8%	
Toluene-µg/kg	0202690-03	0	2500	2440	97.6%	
p/m-Xylene-µg/kg	0202690-03	0	5000	5300	106.%	
o-Xylene-µg/kg	0202690-03	0	2500	2600	104.%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0202690-03	0	2500	2770	110.8%	13.1%
Ethylbenzene-µg/kg	0202690-03	0	2500	2960	118.4%	14.1%
Toluene-µg/kg	0202690-03	0	2500	2790	111.6%	13.4%
p/m-Xylene-µg/kg	0202690-03	0	5000	6050	121.%	13.2%
o-Xylene-µg/kg	0202690-03	0	2500	3020	120.8%	14.9%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-µg/kg	0000718-05		100	111	111.%	0.%
Ethylbenzene-µg/kg	0000718-05		100	108	108.%	0.%
Toluene-µg/kg	0000718-05		100	108	108.%	0.%
p/m-Xylene-µg/kg	0000718-05		200	221	110.5%	0.%
o-Xylene-µg/kg	0000718-05		100	107	107.%	0.%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0202690

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000764-01			<5.00		
CONTROL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0000764-02		5000	5052	101.0%	
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202690-02	18	500	523	101.0%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0202690-02	18	500	523	101.0%	0.0%

12600 West I-20 East
Odessa, Texas 79763

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Rice

Project #:

Project Loc:

井口

Fax No:

for a

[illegible]

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET# 5381

LEASE OPERATOR:

RICE OPERATING
122 WEST TAYLOR
HOBBS, NM 88240
ATTN: DONNIE ANDERSON

ORIGINATING LOCATION:

JCT. L-19-2
S19T20S R37E

TRANSPORTER NAME & ADDRESS:

R E ENVIRONMENTAL SERVICES
P.O. BOX 13418
ODESSA, TX 79768

DESCRIPTION OF WASTE:

NON-HAZARDOUS HYDROCARBONS

QUANTITY:

36 YDS.

FACILITY CONTACT:

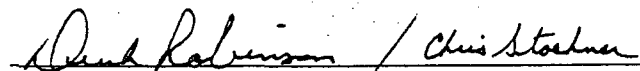

SIGNATURE OF CONTACT

2/28/02
DATE

CELL NUMBER MATERIAL PLACED IN:

B-1

SIGNATURE OF TRANSPORTER (DRIVER):


SIGNATURE OF DRIVER

2-28-02
DATE

DISPOSAL SITE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418
S25 T20S R36E N/2 NE/4

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."


FACILITY REPRESENTATIVE

2/28/02
DATE

EME L-19-2 Junction Box Upgrade



Remediation with New Plumbing

