

1R - 426-63

REPORTS

DATE:

11/15/2002

IR-426-63

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
BD	N-29-2	N	29	21S	37E	LEA	Length	Width	Depth

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER TOM KENNANN OTHER _____

Depth to Groundwater 86 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 10/18/2002 Date Completed 10/31/2002 OCD Witness NO

Soil Excavated 270 cubic yards Excavation Length 16 Width 26 Depth 20 feet

Soil Disposed 0 cubic yards Offsite Facility _____ Location _____

FINAL ANALYTICAL RESULTS: Sample Date 10/31/2002 Sample Depth 20'

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	<10	142
BOTTOM	<0.025	0.03	<0.025	0.084	<10	<10	142
Remediated Soil	<0.025	0.069	0.13	0.466	53.3	615	408

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

were under NMOCD guidelines for a Ranking Score of 10. Remediated soil on-site and backfilled.

This is no longer a junction and no box is required. The remaining hydrocarbon will naturally attenuate.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	15'	328
BOTTOM	20'	233
Vertical Trench	8'	1521
	12'	1294
	16'	1231
	18'	1220
	20'	208
Remediated Soil		461

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

DATE 11/15/2002 PRINTED NAME D. E. Anderson

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

ANALYTICAL REPORT

Prepared for:

**DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240**

Project: N-29-2 jet.
PO#: 747
Order#: G0204903
Report Date: 11/07/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0204903
Project: None Given
Project Name: N-29-2 jet.
Location: BD

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>
0204903-01	Btm. Comp. @20'	SOIL	10/31/02 9:20	10/31/02 18:30	8 oz Glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0204903-02	Wall Comp.	SOIL	10/31/02 11:10	10/31/02 18:30	8 oz Glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0204903
Project: None Given
Project Name: N-29-2 jet.
Location: BD

Lab ID: 0204903-01
Sample ID: Btm. Comp. @20'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		11/3/02	1	1	RKT	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	91%	70	130
1-Chlorooctadecane	96%	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
0003655-02		11/6/02 16:46	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	0.030	0.025
p/m-Xylene	0.084	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	77%	80	120
Bromofluorobenzene	89%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0204903
Project: None Given
Project Name: N-29-2 jet.
Location: BD

Lab ID: 0204903-02
Sample ID: Wall Comp.

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		11/3/02	1	1	RKT	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	95%	70	130
1-Chlorooctadecane	103%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003655-02		11/6/02 17:08	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	87%	80	120
Bromofluorobenzene	97%	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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0204903
Project: None Given
Project Name: N-29-2 jet.
Location: BD

Lab ID: 0204903-01
Sample ID: Btm. Comp. @20'

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	11/5/02	SB

Lab ID: 0204903-02
Sample ID: Wall Comp.

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	11/5/02	SB

Approval:

Celey D. Keene 11/7/02
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.

Date

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204903

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-03		952	1220	128.2%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-04		952	1160	121.8%	5.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-05		1000	1083	108.3%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204903

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-02			<0.025		
Ethylbenzene-mg/kg		0003655-02			<0.025		
Toluene-mg/kg		0003655-02			<0.025		
p/m-Xylene-mg/kg		0003655-02			<0.025		
o-Xylene-mg/kg		0003655-02			<0.025		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-03		0.1	0.100	100.0%	
Ethylbenzene-mg/kg		0003655-03		0.1	0.105	105.0%	
Toluene-mg/kg		0003655-03		0.1	0.102	102.0%	
p/m-Xylene-mg/kg		0003655-03		0.2	0.223	111.5%	
o-Xylene-mg/kg		0003655-03		0.1	0.108	108.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-04		0.1	0.108	108.0%	7.7%
Ethylbenzene-mg/kg		0003655-04		0.1	0.113	113.0%	7.3%
Toluene-mg/kg		0003655-04		0.1	0.111	111.0%	8.5%
p/m-Xylene-mg/kg		0003655-04		0.2	0.228	114.0%	2.2%
o-Xylene-mg/kg		0003655-04		0.1	0.114	114.0%	5.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-05		0.1	0.102	102.0%	
Ethylbenzene-mg/kg		0003655-05		0.1	0.105	105.0%	
Toluene-mg/kg		0003655-05		0.1	0.103	103.0%	
p/m-Xylene-mg/kg		0003655-05		0.2	0.222	111.0%	
o-Xylene-mg/kg		0003655-05		0.1	0.107	107.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204903

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003639-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204903-01	142	1000	1130	98.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204903-01	142	1000	1120	97.8%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003639-04		5000	4960	99.2%	

Relinquished by:	Date	Time	Received by:		Date	Time
K. Ferris	10-31	1530				
CP Kumpner	10/31	18:30				

Rec 3.5°C

802

GRASS

0204903

LAB # 100-100-100

01

02

FIELD CODE

Btm Comp. @ 20'

Wall Comp.

Date Sampled

10/31/02

10/31/02

Time Sampled

0920

1100

No. of Containers

1

1

Preservative

HNO₃

HCl

NaOH

H₂SO₄

None

Other (Specify)

Matrix

Water

Sludge

Soil

Other (specify):

TPH 418.1

TPH TX 1005/1006

TPH 8015M GRO/DRO

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 80218/5030

TCIP:

TOTAL:

Analyze For:

Standard TAT

RUSH TAT (Pre-Schedule)

Sample Christmas Index?

Temperature Upon Receipt

Laboratory Comments

Special Instructions:

ANALYTICAL REPORT

Prepared for:

**DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240**

Project: N-29-1 & N-29-2

PO#: 747

Order#: G0204901

Report Date: 11/07/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0204901
Project: None Given
Project Name: N-29-1 & N-29-2
Location: BD

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<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>
0204901-01	Remediated Comp.	SOIL	10/31/02	10/31/02 18:30	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

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0204901
Project: None Given
Project Name: N-29-1 & N-29-2
Location: BD

Lab ID: 0204901-01
Sample ID: Remediated Comp.

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		11/3/02	1	1	RKT	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	53.3	10.0
DRO, >C12-C35	615	10.0
TOTAL, C6-C35	668	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	94%	70	130
1-Chlorooctadecane	103%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003655-02		11/6/02 12:12	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.069	0.025
Toluene	0.130	0.025
p/m-Xylene	0.379	0.025
o-Xylene	0.087	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	88%	80	120
Bromofluorobenzene	104%	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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0204901
Project: None Given
Project Name: N-29-1 & N-29-2
Location: BD

Lab ID: 0204901-01
Sample ID: Remediated Comp.

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	408	mg/kg	1	20	9253	11/5/02	SB

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

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204901

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-03		952	1220	128.2%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-04		952	1160	121.8%	5.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003630-05		1000	1083	108.3%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204901

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-02			<0.025		
Ethylbenzene-mg/kg		0003655-02			<0.025		
Toluene-mg/kg		0003655-02			<0.025		
p/m-Xylene-mg/kg		0003655-02			<0.025		
o-Xylene-mg/kg		0003655-02			<0.025		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-03		0.1	0.100	100.0%	
Ethylbenzene-mg/kg		0003655-03		0.1	0.105	105.0%	
Toluene-mg/kg		0003655-03		0.1	0.102	102.0%	
p/m-Xylene-mg/kg		0003655-03		0.2	0.223	111.5%	
o-Xylene-mg/kg		0003655-03		0.1	0.108	108.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-04		0.1	0.108	108.0%	7.7%
Ethylbenzene-mg/kg		0003655-04		0.1	0.113	113.0%	7.3%
Toluene-mg/kg		0003655-04		0.1	0.111	111.0%	8.5%
p/m-Xylene-mg/kg		0003655-04		0.2	0.228	114.0%	2.2%
o-Xylene-mg/kg		0003655-04		0.1	0.114	114.0%	5.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003655-05		0.1	0.102	102.0%	
Ethylbenzene-mg/kg		0003655-05		0.1	0.105	105.0%	
Toluene-mg/kg		0003655-05		0.1	0.103	103.0%	
p/m-Xylene-mg/kg		0003655-05		0.2	0.222	111.0%	
o-Xylene-mg/kg		0003655-05		0.1	0.107	107.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204901

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003639-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204903-01	142	1000	1130	98.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204903-01	142	1000	1120	97.8%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003639-04		5000	4960	99.2%	

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: DONNIE ANDERSON

Company Name RICE OPERATING COMPANY

Company Address: 122 W. TAYLOR

City/State/Zip: HOBBS, NEW MEXICO, 88240

Telephone No: (505) 393-9174

Sampler Signature: Krista J. Davis

Fax No: (505) 397-1471

Project Name: N-29-1 + N-29-2

Project #:

Project Loc: BD

PO #: 747

[illegible]



