

1R - 427-06

# REPORTS

DATE:

4-25-2003

1R0 427-6

# DISCLOSURE REPORT

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	O-19	O	19	20 S	37 E	Lea	Length	Width	Depth
							No Box		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 23 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/24/2003 Date Completed 3/26/2003 OCD Witness No

Soil Excavated 44 cubic yards Excavation Length 10 Width 10 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 3/26/2003 Sample Depth 12' bgs

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	<50.0	2120	160
BOTTOM	<0.025	<0.025	<0.025	<0.025	18.1	334	1560
REMEDIATED	<0.025	0.025	0.070	0.270	163	1930	266

**General Description of Remedial Action:** To maintain the integrity of the fragile asbestos/cement pipeline and to avoid disturbance of established vegetation, a 10' x 10x area was excavated to 12' bgs. Chloride impact increased with depth through the loose sand. TPH impact decreased significantly with depth although OCD guidelines were not met at the wall composite samples. A 1' compacted clay barrier was installed at the bottom of the excavation at 12' bgs to inhibit further vertical migration of impact. The excavated soil was blended and then backfilled on top of the clay. The asbestos/cement pipeline has since been replaced with PVC. A junction box is no longer required at this location. The disturbed surface has will be re-seeded with native vegetation and is expected to return to productive capacity at a normal rate.

cc: lab results, photos

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
vertical	2	220
	4	170
	6	275
	8	320
	10	1100
	12	1150

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

DATE 4/25/2003 PRINTED NAME Kristin Farris  
SIGNATURE Kristin Farris TITLE Projects Scientist

## EME jct. O-19



Old Junction Box



NORM Removal

## EME jct. O-19



Impact Excavation



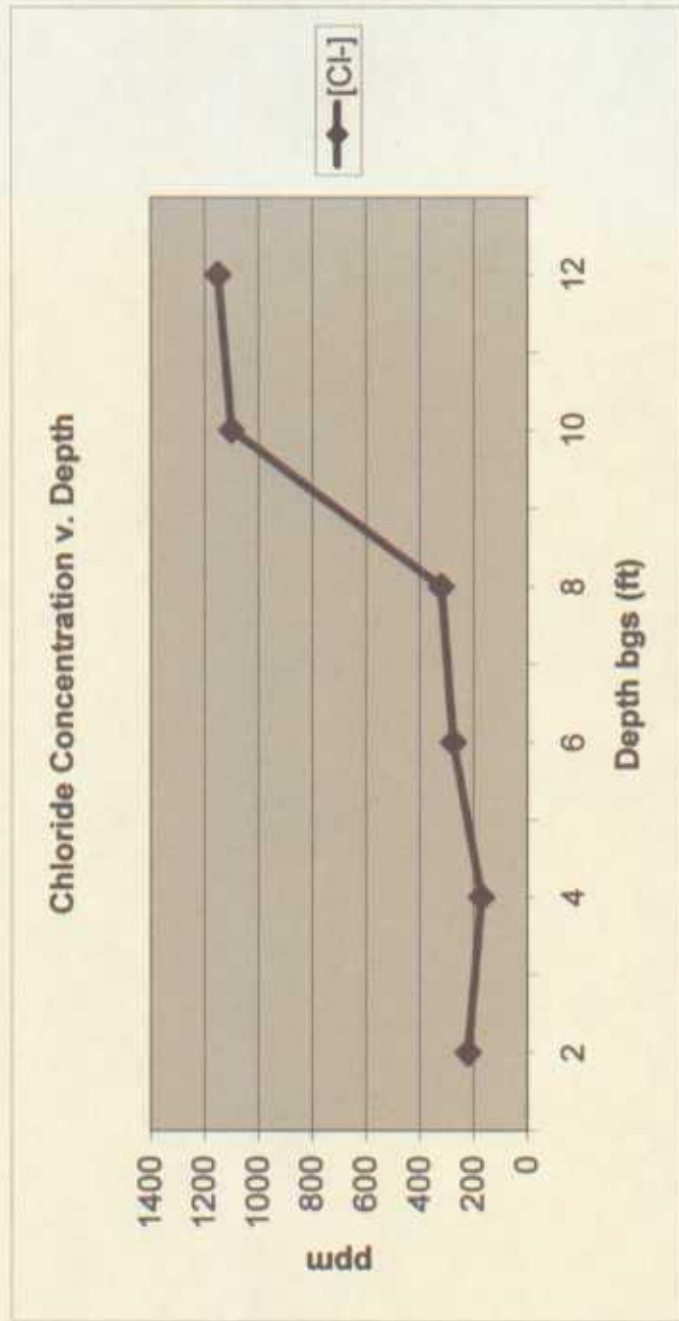
Pipeline Replacement



EME jet. O-19  
T20S, R37E

Depth bgs (ft)	[Cl-] ppm
2	220
4	170
6	275
8	320
10	1100
12	1150

Groundwater = 23 ft



# ANALYTICAL REPORT

## Prepared for:

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

**Project:** Jct. O-19  
**PO#:** 757  
**Order#:** G0306085  
**Report Date:** 03/28/2003

## Certificates

US EPA Laboratory Code TX00158

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

Rice Operating  
122 W. Taylor  
Hobbs, NM 88240  
505-397-1471

Order#: G0306085  
Project:  
Project Name: Jct. O-19  
Location: EME

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>
0306085-01	Wall Comp.	SOIL	3/26/03	3/26/03 19:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0306085-02	Btm. Comp. @ 12'	SOIL	3/26/03	3/26/03 19:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0306085-03	Remed. Comp.	SOIL	3/26/03	3/26/03 19:45	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 3 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					



# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0306085  
Project:  
Project Name: Jct. O-19  
Location: EME

Lab ID: 0306085-01  
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>		
		3/28/03 15:06	1	5	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	2120	50.0
TOTAL, C6-C35	2120	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	18%	70	130
1-Chlorooctadecane	19%	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>		
0005088-02		3/27/03 22:33	1	25	CK	8021B

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

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	109%	80	120

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

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0306085  
Project:  
Project Name: Jct. O-19  
Location: EME

Lab ID: 0306085-02  
Sample ID: Btm. Comp. @ 12'

### 8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		3/28/03 15:06	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	18.1	10.0
DRO, >C12-C35	334	10.0
TOTAL, C6-C35	352	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	91%	70	130
1-Chlorooctadecane	74%	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
0005088-02		3/27/03 12:53	1	25	CK	8021B

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

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	103%	80	120
Bromofluorobenzene	115%	80	120

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0306085  
Project:  
Project Name: Jct. O-19  
Location: EME

Lab ID: 0306085-03  
Sample ID: Remed. Comp.

### 8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		3/28/03 15:06	1	5	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	163	50.0
DRO, >C12-C35	1930	50.0
TOTAL, C6-C35	2093	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	19%	70	130
1-Chlorooctadecane	16%	70	130

### 8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005088-02		3/28/03 10:01	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	0.025	0.025
Ethylbenzene	0.070	0.025
p/m-Xylene	0.222	0.025
o-Xylene	0.048	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	102%	80	120
Bromofluorobenzene	106%	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

*Raland K. Tuttle* 3-31-03

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

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0306085  
Project:  
Project Name: Jct. O-19  
Location: EME

Lab ID: 0306085-01  
Sample ID: Wall Comp.

### Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	160	mg/kg	1	20.0	9253	3/28/03	CK

Lab ID: 0306085-02  
Sample ID: Btm. Comp. @ 12'

### Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	1560	mg/kg	1	20.0	9253	3/28/03	CK

Lab ID: 0306085-03  
Sample ID: Remed. Comp.

### Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	266	mg/kg	1	20.0	9253	3/28/03	CK

Approval:

*Roland K. Tuttle* 3-30-03  
 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.

RL = Reporting Limit N/A = Not Applicable

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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#: G0306085

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005086-02			<10.0		
<b>CONTROL</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005086-03		952	820	86.1%	
<b>CONTROL DUP</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005086-04		952	800	84.1%	2.5%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005086-05		1000	820	82.1%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306085

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005088-02			<0.025		
Toluene-mg/kg		0005088-02			<0.025		
Ethylbenzene-mg/kg		0005088-02			<0.025		
p/m-Xylenc-mg/kg		0005088-02			<0.025		
o-Xylene-mg/kg		0005088-02			<0.025		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306082-01	0	0.1	0.103	103.0%	
Toluene-mg/kg		0306082-01	0	0.1	0.104	104.0%	
Ethylbenzene-mg/kg		0306082-01	0	0.1	0.110	110.0%	
p/m-Xylene-mg/kg		0306082-01	0	0.2	0.231	115.5%	
o-Xylene-mg/kg		0306082-01	0	0.1	0.114	114.0%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306082-01	0	0.1	0.104	104.0%	1.0%
Toluene-mg/kg		0306082-01	0	0.1	0.104	104.0%	0.0%
Ethylbenzene-mg/kg		0306082-01	0	0.1	0.110	110.0%	0.0%
p/m-Xylene-mg/kg		0306082-01	0	0.2	0.231	115.5%	0.0%
o-Xylene-mg/kg		0306082-01	0	0.1	0.114	114.0%	0.0%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005088-05		0.1	0.102	102.0%	
Toluene-mg/kg		0005088-05		0.1	0.103	103.0%	
Ethylbenzene-mg/kg		0005088-05		0.1	0.104	104.0%	
p/m-Xylene-mg/kg		0005088-05		0.2	0.214	107.0%	
o-Xylene-mg/kg		0005088-05		0.1	0.103	103.0%	



# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### Test Parameters

Order#: G0306085

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005078-01			<20.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306076-01	0	500	514	102.8%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306076-01	0	500	514	102.8%	0.0%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005078-04		5000	4870	97.4%	

# CASE NARRATIVE

## ENVIRONMENTAL LAB OF TEXAS

**Prepared for:**

Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

**Order#:** G0306085**Project:** Jct. O-19

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
Wall Comp.	0306085-01	SOIL	03/26/2003	03/26/2003
Btm. Comp. @ 12'	0306085-02	SOIL	03/26/2003	03/26/2003
Remed. Comp.	0306085-03	SOIL	03/26/2003	03/26/2003

Surrogate recoveries on the 8015 TPH are outside the control limits because they were diluted out.  
(G0306085-01, 03)

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:

*Rala d K J*  
Environmental Lab of Texas I, Ltd.

Date:

*3-30-03*

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Ferris

Project Name: ict. 0-19

Company Name RICE Operating

**Project #:**

Company Address: 222 W. Taylor

Project Loc: ENNE

City/State/Zip: Hobbs, NM 88240

PO #: 757

Telephone No. (505) 393-9174 631-5075

Fax No: (505) 397-1471

**Sample Signature:**

*Sam. J. Z.*

[illegible]