

**1R - 427 - 185**

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# **REPORTS**

**DATE:**

**4-25-05**

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EME Burlington ST A-26 BOL

IR 0427-185

# 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
EME	Burleson St. A-26 EOL	M	26	19S	36E	Lea	moved 20 ft southwest		

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

Depth to Groundwater 50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 10/13/2004 Date Completed 3/1/2005 NMOCD Witness no

Soil Excavated 200 cubic yards Excavation Length 30 Width 15 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 2/16/2005 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

**CHLORIDE FIELD TESTS**

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.1	<10.0	<10.0	261
BOTTOM COMP.	0.1	<10.0	<10.0	260
REMED. BACKFILL	0.1	<10.0	<10.0	223

LOCATION	DEPTH (ft)	ppm
4-wall comp.	n/a	296
bottom comp.	12	276
remed. comp.	n/a	307

**General Description of Remedial Action:**

This junction was moved 20 ft southwest. The box lumber was removed from the former location and the site was NORM decontaminated. The location was then delineated using a backhoe while PID screenings and chloride field tests were conducted at regular intervals. All PID readings were 0.1 ppm and lab analysis on the final 30 x 15 x 12-ft-deep excavation yielded non-detect (<10.0 ppm) TPH concentrations, meeting NMOCD guidelines. Chloride concentrations were relatively low and analysis of the final excavation samples yielded concentrations comparable to background ((103 ppm). The excavated soil was blended on site and then backfilled into the excavation and contoured to the surrounding surface. The disturbed surface area was seeded with a blend of native vegetation on 3/18/2005 and is expected to return to productive capacity at a normal rate.

enclosures: photos, lab results, PID field screenings

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

SITE SUPERVISOR Joe Gatts SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*  
DATE 4/25/2005 TITLE Project Scientist

# EME Burleson St. 'A' EOL

Unit 'M', Sec. 26, T19S, R36E



undisturbed junction box

9/17/2004



box removed; old plumbing

9/28/2004



new plumbing at new junction site 20 ft southwest of former



delineation trenches

Oct. 2004



excavation and delineation

Oct. 2004



backfilling excavation

Feb. 2005

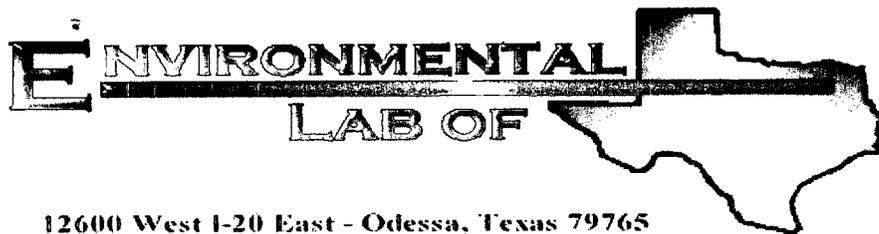


construction of new junction box 20 ft southwest of former



seeding disturbed surface

3/18/2005



12600 West I-20 East - Odessa, Texas 79765

COPY

## Analytical Report

**Prepared for:**

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Lewis B. Burleson

Project Number: None Given

Location: None Given

Lab Order Number: 5B21002

Report Date: 02/23/05

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: EME Lewis B. Burluson Project Number: None Given Project Manager: Roy Rascon	Fax: (505) 397-1471  <b>Reported:</b> 02/23/05 12:32
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Comp. 12'	5B21002-01	Soil	02/16/05 13:15	02/19/05 18:00
4 Wall Comp.	5B21002-02	Soil	02/16/05 13:25	02/19/05 18:00
Remo Backfill	5B21002-03	Soil	02/16/05 13:30	02/19/05 18:00

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME Lewis B. Burleson  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
02/23/05 12:32

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Bottom Comp. 12' (SB21002-01) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB52101	02/21/05	02/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		80.6 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		75.2 %		70-130	"	"	"	"	
<b>4 Wall Comp. (SB21002-02) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB52101	02/21/05	02/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		89.8 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		71.4 %		70-130	"	"	"	"	
<b>Remo Backfill (SB21002-03) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB52101	02/21/05	02/21/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		91.8 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		72.8 %		70-130	"	"	"	"	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME Lewis B. Burleson  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
02/23/05 12:32

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Bottom Comp. 12' (5B21002-01) Soil</b>									
Chloride	260	20.0	mg/kg	40	EB52216	02/21/05	02/21/05	EPA 300.0	
% Moisture	18.6	0.1	%	1	EB52109	02/21/05	02/22/05	% calculation	
<b>4 Wall Comp. (5B21002-02) Soil</b>									
Chloride	261	25.0	mg/kg	50	EB52216	02/21/05	02/21/05	EPA 300.0	
% Moisture	12.4	0.1	%	1	EB52109	02/21/05	02/22/05	% calculation	
<b>Remo Backfill (5B21002-03) Soil</b>									
Chloride	223	20.0	mg/kg	40	EB52216	02/21/05	02/21/05	EPA 300.0	
% Moisture	9.8	0.1	%	1	EB52109	02/21/05	02/22/05	% calculation	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

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Reported:  
02/23/05 12:32

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EB52101 - Solvent Extraction (GC)**

**Blank (EB52101-BLK1)**

Prepared & Analyzed: 02/21/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	37.3		mg/kg	50.0		74.6	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		73.8	70-130			

**LCS (EB52101-BS1)**

Prepared & Analyzed: 02/21/05

Gasoline Range Organics C6-C12	471	10.0	mg/kg wet	500		94.2	75-125			
Diesel Range Organics >C12-C35	485	10.0	"	500		97.0	75-125			
Total Hydrocarbon C6-C35	956	10.0	"	1000		95.6	75-125			
Surrogate: 1-Chlorooctane	39.5		mg/kg	50.0		79.0	70-130			
Surrogate: 1-Chlorooctadecane	35.9		"	50.0		71.8	70-130			

**Calibration Check (EB52101-CCV1)**

Prepared & Analyzed: 02/21/05

Gasoline Range Organics C6-C12	493		mg/kg	500		98.6	80-120			
Diesel Range Organics >C12-C35	554		"	500		111	80-120			
Total Hydrocarbon C6-C35	1050		"	1000		105	80-120			
Surrogate: 1-Chlorooctane	55.4		"	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	44.0		"	50.0		88.0	70-130			

**Matrix Spike (EB52101-MS1)**

Source: 5B21002-01

Prepared & Analyzed: 02/21/05

Gasoline Range Organics C6-C12	608	10.0	mg/kg dry	614	ND	99.0	75-125			
Diesel Range Organics >C12-C35	612	10.0	"	614	ND	99.7	75-125			
Total Hydrocarbon C6-C35	1220	10.0	"	1230	ND	99.2	75-125			
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	37.0		"	50.0		74.0	70-130			

**Matrix Spike Dup (EB52101-MSD1)**

Source: 5B21002-01

Prepared & Analyzed: 02/21/05

Gasoline Range Organics C6-C12	608	10.0	mg/kg dry	614	ND	99.0	75-125	0.00	20	
Diesel Range Organics >C12-C35	649	10.0	"	614	ND	106	75-125	5.87	20	
Total Hydrocarbon C6-C35	1260	10.0	"	1230	ND	102	75-125	3.23	20	
Surrogate: 1-Chlorooctane	49.7		mg/kg	50.0		99.4	70-130			
Surrogate: 1-Chlorooctadecane	37.2		"	50.0		74.4	70-130			

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME Lewis B. Burleson  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
02/23/05 12:32

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EB52109 - General Preparation (Prep)</b>										
<b>Blank (EB52109-BLK1)</b> Prepared: 02/21/05 Analyzed: 02/22/05										
% Moisture	ND	0.1	%							
<b>Duplicate (EB52109-DUP1)</b> Source: 5B21002-01 Prepared: 02/21/05 Analyzed: 02/22/05										
% Moisture	18.6	0.1	%		18.6			0.00	20	
<b>Batch EB52216 - Water Extraction</b>										
<b>Blank (EB52216-BLK1)</b> Prepared & Analyzed: 02/21/05										
Chloride	ND	0.500	mg/kg							
<b>Blank (EB52216-BLK2)</b> Prepared & Analyzed: 02/21/05										
Chloride	ND	0.500	mg/kg							
<b>LCS (EB52216-BS1)</b> Prepared & Analyzed: 02/21/05										
Chloride	8.46		mg/L	10.0		84.6	80-120			
<b>LCS (EB52216-BS2)</b> Prepared & Analyzed: 02/21/05										
Chloride	8.21		mg/L	10.0		82.1	80-120			
<b>Calibration Check (EB52216-CCV1)</b> Prepared & Analyzed: 02/21/05										
Chloride	8.44		mg/L	10.0		84.4	80-120			
<b>Calibration Check (EB52216-CCV2)</b> Prepared & Analyzed: 02/21/05										
Chloride	8.16		mg/L	10.0		81.6	80-120			
<b>Duplicate (EB52216-DUP1)</b> Source: 5B18004-01 Prepared & Analyzed: 02/21/05										
Chloride	23.3	5.00	mg/kg		22.5			3.49	20	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME Lewis B. Burleson  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
02/23/05 12:32

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EB52216 - Water Extraction**

Duplicate (EB52216-DUP2)

Source: 5B21002-03

Prepared & Analyzed: 02/21/05

Chloride	240	20.0	mg/kg		223			7.34	20	
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Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME Lewis B. Burleson  
Project Number: None Given  
Project Manager: Roy Rascon

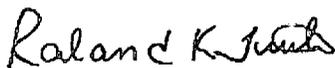
Fax: (505) 397-1471

Reported:  
02/23/05 12:32

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By:



Date: 2/23/2005

Raland K. Tuttle, Lab Manager  
Celey D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
James L. Hawkins, Chemist/Geologist  
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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**Environmental Lab of Texas  
Variance / Corrective Action Report – Sample Log-In**

Client: RIO Operating

Date/Time: 2/21/05 8:20

Order #: SB21002

Initials: ck

**Sample Receipt Checklist**

	Yes	No	
Temperature of container/cooler?			<u>7.00</u> C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<del>Not present</del>
Custody Seals intact on sample bottles?	Yes	No	<del>Not present</del>
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No	
Container labels legible and intact?	<input checked="" type="checkbox"/>	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding:

\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COPY

15 x 30 x 12 ft

excavation

HOBBS, NEW MEXICO 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
VOC FIELD TEST REPORT FORM

MODEL NO: PGM 76IS  
CALIBRATION GAS  
GAS COMPOSITION: ISOBUTYLENE AIR

SERIAL NO: 104412

100 PPM  
BALANCE  
FILL DATE: 11/19/04  
ACCURACY: 12-270

LOT NO: 04-2747  
EXP. DATE: 5/19/06  
METER READING  
ACCURACY: 100.1

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
EME	LEWIS Burleson	M.	26	19	36

all  
composite  
samples

SAMPLE	PID RESULT	SAMPLE	PID RESULT
10' North	.1		
5' South	.1		
10' East	.1		
20' West	.1		
Bot. Comp 12'	.1		
4 WALL COMP	.1		
REMP. Backfill	.1		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Signature [Signature] Date 2/17/05