

**1R - 427 - 189**

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# **REPORTS**

**DATE:**

**1-9-06**

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EMIE OCT R-2

1R0427-189

# Final Report

**RICE OPERATING COMPANY  
JUNCTION BOX FINAL REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	jct. P-2	P	2	20S	37E	Lea	Length	Width	Depth
							moved 20 ft southeast		

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

Depth to Groundwater none feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 11/7/2005 Date Completed 11/29/2005 NMOCD Witness no

Soil Excavated 21 cubic yards Excavation Length \_\_\_\_\_ Width \_\_\_\_\_ Depth 12 feet  
*2 trenches*

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

**FINAL ANALYTICAL RESULTS:** Sample Date 11/7/2005 Sample Depth 12

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	GRO mg/kg	DRO mg/kg	Chloride mg/kg
WALL COMP. from 2 trenches	<10.0	<10.0	34.6
COMP. from 2 trenches @ 12 ft BGS	<10.0	<10.0	133
REMED. BACKFILL	<10.0	<10.0	70

LOCATION	DEPTH (ft)	ppm
vertical trench at junction	5	339
	6	144
	7	283
	8	600
	9	207
	10	161
	11	224
5 ft SOUTH of junction	12	95.5
	1	152
	2	143
	3	181
	4	121
	5	170
	6	191
	7	208
	8	302
	9	269
	10	166
	11	174
	12	137

**General Description of Remedial Action:**

This junction box was addressed as part of the pipeline replacement program. A new junction has been located 20 ft southeast of this site. The former box site was delineated using a backhoe while soil samples were collected at regular intervals to 12 ft BGS. Two trenches were made and chloride field tests were conducted on each sample yielding low concentrations, indicative of non-saturated historical vadose conditions. PID screenings were also performed on the samples and also yielded very low concentrations. Composite samples were collected for lab analysis to confirm field tests. TPH was not present within the lab's detection limits (<10.0 ppm), meeting NMOCD guidelines. The excavated soil was backfilled into the trenches and contoured to the surrounding terrain. The disturbed surface was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate. A new water-tight junction box has been built at the new location 20 ft southeast of this site.

enclosures: photos, lab results

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

SITE SUPERVISOR Kevin Collins SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 1/9/2006 TITLE Project Scientist

# EME jct. P-2

Unit 'P', Section 2, T20S, R37E



undisturbed junction box

2/1/2005



new plumbing at new jct. site 20 ft southeast of former



prior to excavation; box removed



delineation trench 12-ft deep

11/7/2005



backfilling site

11/29/2005



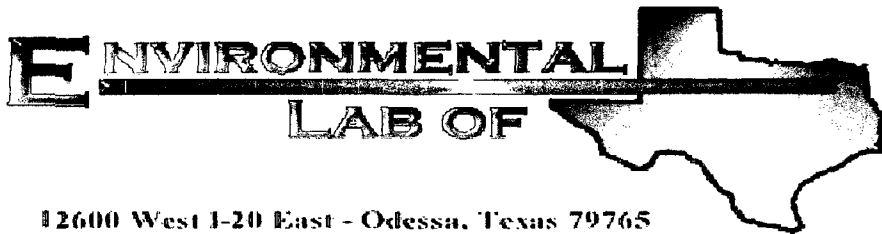
backfilled site

11/29/2005



completed watertight junction box; 20 ft southeast of former





12600 West I-20 East - Odessa, Texas 79765

Composites made  
from 2 trenches

COPY

## Analytical Report

**Prepared for:**

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

Project: EME Jct. P-2  
Project Number: None Given  
Location: None Given

Lab Order Number: 5K14010

Report Date: 11/18/05

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

Project: EME Jct. P-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

**Reported:**  
11/18/05 12:38

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Comp.	5K14010-01	Soil	11/07/05 13:00	11/11/05 17:30
4 Wall Comp.	5K14010-02	Soil	11/07/05 13:05	11/11/05 17:30
Backfill Comp.	5K14010-03	Soil	11/07/05 13:10	11/11/05 17:30

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

Project: EME Jct. P-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/18/05 12:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Bottom Comp. (5K14010-01) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51507	11/15/05	11/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		105 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		101 %	70-130		"	"	"	"	
<b>4 Wall Comp. (5K14010-02) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51507	11/15/05	11/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		109 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		108 %	70-130		"	"	"	"	
<b>Backfill Comp. (5K14010-03) Soil</b>									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51507	11/15/05	11/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		108 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.8 %	70-130		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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

Project: EME Jct. P-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/18/05 12:38

**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. (5K14010-01) Soil</b>									
Chloride	133	5.00	mg/kg	10	EK51809	11/17/05	11/18/05	EPA 300.0	
% Moisture	13.3	0.1	%	1	EK51501	11/14/05	11/15/05	% calculation	
<b>4 Wall Comp. (5K14010-02) Soil</b>									
Chloride	34.6	5.00	mg/kg	10	EK51809	11/17/05	11/18/05	EPA 300.0	
% Moisture	7.9	0.1	%	1	EK51501	11/14/05	11/15/05	% calculation	
<b>Backfill Comp. (5K14010-03) Soil</b>									
Chloride	70.0	5.00	mg/kg	10	EK51809	11/17/05	11/18/05	EPA 300.0	
% Moisture	13.1	0.1	%	1	EK51501	11/14/05	11/15/05	% calculation	

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122 W. Taylor  
Hobbs NM, 88240

Project: EME Jct. P-2  
Project Number: None Given  
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Fax: (505) 397-1471

Reported:  
11/18/05 12:38

**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 EK51507 - Solvent Extraction (GC)**

**Blank (EK51507-BLK1)**

Prepared & Analyzed: 11/15/05

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	46.3		mg/kg	50.0		92.6	70-130			
Surrogate: 1-Chlorooctadecane	38.2		"	50.0		76.4	70-130			

**LCS (EK51507-BS1)**

Prepared & Analyzed: 11/15/05

Gasoline Range Organics C6-C12	397	10.0	mg/kg wet	500		79.4	75-125			
Diesel Range Organics >C12-C35	531	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	928	10.0	"	1000		92.8	75-125			
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	44.8		"	50.0		89.6	70-130			

**Calibration Check (EK51507-CCV1)**

Prepared: 11/15/05 Analyzed: 11/16/05

Gasoline Range Organics C6-C12	484		mg/kg	500		96.8	80-120			
Diesel Range Organics >C12-C35	595		"	500		119	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	61.3		"	50.0		123	70-130			
Surrogate: 1-Chlorooctadecane	59.3		"	50.0		119	70-130			

**Matrix Spike (EK51507-MS1)**

Source: 5K14011-01

Prepared & Analyzed: 11/15/05

Gasoline Range Organics C6-C12	447	10.0	mg/kg dry	561	ND	79.7	75-125			
Diesel Range Organics >C12-C35	592	10.0	"	561	ND	106	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1120	ND	92.9	75-125			
Surrogate: 1-Chlorooctane	56.8		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	51.8		"	50.0		104	70-130			

**Matrix Spike Dup (EK51507-MSD1)**

Source: 5K14011-01

Prepared & Analyzed: 11/15/05

Gasoline Range Organics C6-C12	435	10.0	mg/kg dry	561	ND	77.5	75-125	2.72	20	
Diesel Range Organics >C12-C35	529	10.0	"	561	ND	94.3	75-125	11.2	20	
Total Hydrocarbon C6-C35	964	10.0	"	1120	ND	86.1	75-125	7.58	20	
Surrogate: 1-Chlorooctane	57.2		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	50.5		"	50.0		101	70-130			

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

Project: EME Jct. P-2  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/18/05 12:38

**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 EK51501 - General Preparation (Prep)**

**Blank (EK51501-BLK1)**

Prepared: 11/14/05 Analyzed: 11/15/05

% Solids	100		%							
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**Duplicate (EK51501-DUP1)**

Source: 5K14002-01

Prepared: 11/14/05 Analyzed: 11/15/05

% Solids	78.8		%		79.9			1.39	20	
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**Batch EK51809 - Water Extraction**

**Blank (EK51809-BLK1)**

Prepared: 11/17/05 Analyzed: 11/18/05

Chloride	ND	0.500	mg/kg							
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**LCS (EK51809-BS1)**

Prepared: 11/17/05 Analyzed: 11/18/05

Chloride	8.17		mg/L	10.0		81.7	80-120			
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**Calibration Check (EK51809-CCV1)**

Prepared: 11/17/05 Analyzed: 11/18/05

Chloride	8.38		mg/L	10.0		83.8	80-120			
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**Duplicate (EK51809-DUP1)**

Source: 5K14010-01

Prepared: 11/17/05 Analyzed: 11/18/05

Chloride	135	5.00	mg/kg		133			1.49	20	
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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: EME Jct. P-2  
Project Number: None Given  
Project Manager: Roy Rascon

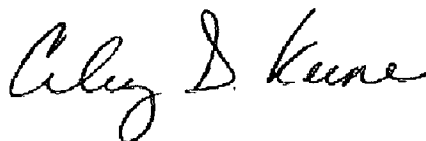
Fax: (505) 397-1471

Reported:  
11/18/05 12:38

### 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: 11/18/2005

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

Jeanne Mc Murrey, Inorg. Tech Director  
La Tasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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12600 West I-20 East  
Odessa, Texas 79763  
Phone: 915-563-1800  
Fax: 915-563-1713

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: EMC 5c48-2

**Project #:**

**Project Loc:**

三〇五

**Fax No: 505-397-1471**

11

[illegible]

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

Client: Rice Op.

Date/Time: 11/11/05 17:30

Order #: 5K14010

Initials: CR

**Sample Receipt Checklist**

Temperature of container/cooler?	Yes	No	-2.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

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**Variance Documentation:**

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

Corrective Action Taken:

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