

1R - 427 - 195

REPORTS

DATE:

12-28-05

EME Jct J-34

1R0427-195

Final Report

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	jct. J-34	J	34	19S	36E	Lea	Length	Width	Depth
							eliminated—no box		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ G. P. Sims _____ OTHER _____

Depth to Groundwater 50.73 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/22/2004 Date Completed 10/7/2004 NMOCD Witness no

Soil Excavated 6 cubic yards Excavation Length 8 Width 3 Depth 6 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 9/22/2004 Sample Depth 6 ft

TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 6 ft BGS	0.0	<10.0	<10.0	<20

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction	2	149
	3	119
	4	89
	5	89
	6	89

General Description of Remedial Action:

This junction has been eliminated. After the box materials were removed, a vertical delineation trench was made with a backhoe at the former box site and soil samples were collected every foot of depth from 2 to 6 ft BGS. Chloride field tests were performed on the samples and yielded very low concentrations similar to background level. There were no physical indications of impact and all PID field screenings were 0.0 ppm. Lab analysis on the 6 ft deep sample confirmed field tests and all constituents were below the laboratory's detection limits. The excavated soil was blended on site and then backfilled into the trench and contoured to the surrounding surface. The disturbed surface was then seeded with a blend of native vegetation 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 Rob Elam SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 12/28/2005 TITLE Project Scientist

EME jct. J-34

Unit 'J', Sec. 34, T19S, R36E



undisturbed junction box prior to excavation

9/22/2004



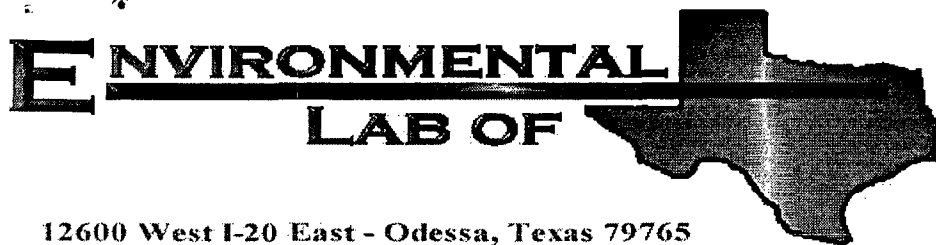
backfilling delineation trench

10/7/2004



seeding disturbed surface

10/7/2004



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

COPY

Project: Jct. J-34
Project Number: None Given
Location: EME

Lab Order Number: 4126011

Report Date: 09/30/04

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

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
6' Grab @ Source	4126011-01	Soil	09/22/04 15:15	09/26/04 07:10

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

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6' Grab @ Source (4126011-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42702	09/27/04	09/28/04	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		73.2 %	70-130		"	"	"	"	

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

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6' Grab @ Source (4I26011-01) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EI42703	09/27/04	09/28/04	SW 846 9253	
% Solids	80.0		%	1	EI42812	09/28/04	09/28/04	% calculation	

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

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

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 EI42702 - Solvent Extraction (GC)

Blank (EI42702-BLK1)

Prepared & Analyzed: 09/27/04

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	51.5		mg/kg	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	36.1		"	50.0		72.2	70-130			

Blank (EI42702-BLK2)

Prepared: 09/27/04 Analyzed: 09/28/04

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	58.8		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			

LCS (EI42702-BS1)

Prepared & Analyzed: 09/27/04

Gasoline Range Organics C6-C12	467	10.0	mg/kg wet	500		93.4	75-125			
Diesel Range Organics >C12-C35	469	10.0	"	500		93.8	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1000		93.6	75-125			
Surrogate: 1-Chlorooctane	58.6		mg/kg	50.0		117	70-130			
Surrogate: 1-Chlorooctadecane	39.6		"	50.0		79.2	70-130			

LCS (EI42702-BS2)

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125			
Diesel Range Organics >C12-C35	543	10.0	"	500		109	75-125			
Total Hydrocarbon C6-C35	996	10.0	"	1000		99.6	75-125			
Surrogate: 1-Chlorooctane	58.9		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		73.8	70-130			

Calibration Check (EI42702-CCV1)

Prepared & Analyzed: 09/27/04

Gasoline Range Organics C6-C12	499		mg/kg	500		99.8	80-120			
Diesel Range Organics >C12-C35	581		"	500		116	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	57.1		"	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	57.5		"	50.0		115	70-130			

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

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

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Reported:
09/30/04 15:49

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 EI42702 - Solvent Extraction (GC)

Calibration Check (EI42702-CCV2)

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	461		mg/kg	500		92.2	80-120			
Diesel Range Organics >C12-C35	527		"	500		105	80-120			
Total Hydrocarbon C6-C35	988		"	1000		98.8	80-120			
Surrogate: 1-Chlorooctane	57.4		"	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	39.1		"	50.0		78.2	70-130			

Matrix Spike (EI42702-MS1)

Source: 4I26004-01

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125			
Diesel Range Organics >C12-C35	602	10.0	"	532	ND	113	75-125			
Total Hydrocarbon C6-C35	1120	10.0	"	1060	ND	106	75-125			
Surrogate: 1-Chlorooctane	58.7		mg/kg	50.0		117	70-130			
Surrogate: 1-Chlorooctadecane	57.0		"	50.0		114	70-130			

Matrix Spike (EI42702-MS2)

Source: 4I26005-04

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	555	10.0	mg/kg dry	575	ND	96.5	75-125			
Diesel Range Organics >C12-C35	607	10.0	"	575	ND	106	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1150	ND	101	75-125			
Surrogate: 1-Chlorooctane	60.2		mg/kg	50.0		120	70-130			
Surrogate: 1-Chlorooctadecane	36.1		"	50.0		72.2	70-130			

Matrix Spike Dup (EI42702-MSD1)

Source: 4I26004-01

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125	0.00	20	
Diesel Range Organics >C12-C35	570	10.0	"	532	ND	107	75-125	5.46	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1060	ND	103	75-125	2.71	20	
Surrogate: 1-Chlorooctane	57.2		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	53.5		"	50.0		107	70-130			

Matrix Spike Dup (EI42702-MSD2)

Source: 4I26005-04

Prepared: 09/27/04 Analyzed: 09/28/04

Gasoline Range Organics C6-C12	552	10.0	mg/kg dry	575	ND	96.0	75-125	0.542	20	
Diesel Range Organics >C12-C35	621	10.0	"	575	ND	108	75-125	2.28	20	
Total Hydrocarbon C6-C35	1170	10.0	"	1150	ND	102	75-125	0.858	20	
Surrogate: 1-Chlorooctane	62.0		mg/kg	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	35.8		"	50.0		71.6	70-130			

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

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/30/04 15:49

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 EI42703 - Water Extraction

Blank (EI42703-BLK1)

Prepared: 09/27/04 Analyzed: 09/28/04

Chloride ND 20.0 mg/kg Wet

Matrix Spike (EI42703-MS1)

Source: 4I26001-01

Prepared: 09/27/04 Analyzed: 09/28/04

Chloride 744 20.0 mg/kg Wet 500 266 95.6 80-120

Matrix Spike Dup (EI42703-MSD1)

Source: 4I26001-01

Prepared: 09/27/04 Analyzed: 09/28/04

Chloride 755 20.0 mg/kg Wet 500 266 97.8 80-120 1.47 20

Reference (EI42703-SRM1)

Prepared & Analyzed: 09/28/04

Chloride 5000 mg/kg 5000 100 80-120

Batch EI42812 - % Solids

Blank (EI42812-BLK1)

Prepared & Analyzed: 09/28/04

% Solids 100 %

Duplicate (EI42812-DUP1)

Source: 4I24018-01

Prepared & Analyzed: 09/28/04

% Solids 98.0 % 98.0 0.00 20

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

Project: Jct. J-34
Project Number: None Given
Project Manager: Roy Rascon

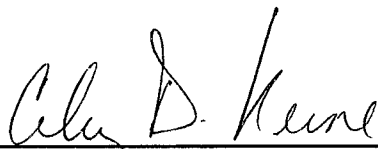
Fax: (505) 397-1471

Reported:
09/30/04 15:49

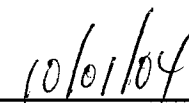
Notes and Definitions

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:



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

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

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating Co.

Date/Time: 09-26-04 @ 1415

Order #: 4126011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	-2.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Custody Seals intact on shipping container/cooler?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not present
Custody Seals intact on sample bottles?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Chain of Custody signed when relinquished and received?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
Regarding: _____

Corrective Action Taken:

RICE OPERATING COMPANY

122 WEST TAYLOR

HOBBS, NEW MEXICO 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S

CALIBRATION GAS

GAS COMPOSITION: ISOBUTYLENE

AIR

LOT NO: 03-2475

EXP. DATE: 10-19-04

METER READING

ACCURACY: 100.0

SERIAL NO: ¹⁰⁴⁵⁵⁰~~104412~~

100 PPM

BALANCE

FILL DATE: 4-19-04

ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	J-34	J	34	19	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 2'	0		
3'	0		
4'	0		
5'	0		
6'	0		

COPY

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

Rob Elam
Signature

9-22-04
Date