

1R - 427 - 203

REPORTS

DATE:

4-14-05

EME Jct D-1-1

1R0427-203

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	D-1-1	D	1	20S	36E	Lea	Length	Width	Depth
no box-junction eliminated									

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 33 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/8/2004 Date Completed 11/29/2004 NMOCD Witness no

Soil Excavated 71 cubic yards Excavation Length 20 Width 8 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 11/1/2004 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	76
BOTTOM COMP.	0.1	<10.0	<10.0	106
REMED. BACKFILL	0.1	<10.0	<10.0	112

LOCATION	DEPTH (ft)	ppm
4-wall comp.	n/a	147
bottom comp.	12	203
remed. comp.	n/a	168

General Description of Remedial Action:

This junction was eliminated with the pipeline replacement program. The box lumber was removed after the site was decontaminated for NORM. The location was surrounded on all sides by healthy, native vegetation. The site was delineated using a backhoe while PID screenings and chloride field tests were performed on soil samples at regular intervals. Delineation south of the junction was not feasible due to a gas pipeline and meter station. There were no physical indicators of hydrocarbon impact and all PID readings yielded 0.1 ppm. Lab analysis of samples from the final 20 x 8 x 12 ft excavation confirmed TPH concentrations were non-detect (<10.0), meeting NMOCD guidelines. Final chloride concentrations were very low and comparable to background levels (155 ppm). The excavated soil was blended on site and then backfilled into the excavation and contoured to the surrounding surface. The disturbed surface was seeded with a blend of native vegetation with the pipeline right-of-way disturbance 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 4/14/2005 TITLE Project Scientist

EME jct. D-1-1

unit 'D', Sec. 1, T20S, R36E



undisturbed junction box

9/16/2004



box removed after NORM decontamination

9/28/2004



delineation & excavation 5 ft north of the junction box site

10/12/2004



backfilling excavation (looking north)

11/29/2004



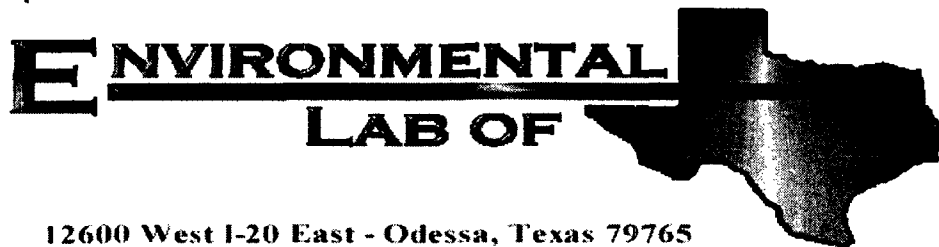
backfilling excavation (looking west)

11/29/2004

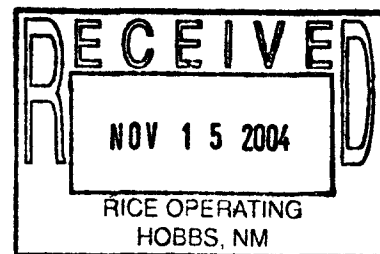


backfilled location

4/20/2005



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 D-1-1
Project Number: None Given
Location: None Given

Lab Order Number: 4K04001

Report Date: 11/05/04

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

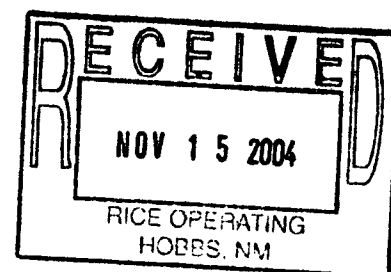
Project: EME D-1-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
11/05/04 10:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bott. Comp. at 12'	4K04001-01	Soil	11/01/04 10:30	11/04/04 08:00
4 Wall Comp.	4K04001-02	Soil	11/01/04 10:00	11/04/04 08:00
Remed. Backfill	4K04001-03	Soil	11/01/04 10:45	11/04/04 08:00



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

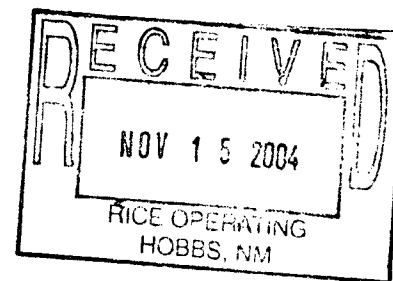
Project: EME D-1-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
11/05/04 10:29

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott. Comp. at 12' (4K04001-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40410	11/04/04	11/04/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		101 %	70-130		"	"	"	"	
4 Wall Comp. (4K04001-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40410	11/04/04	11/04/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		89.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.2 %	70-130		"	"	"	"	
Remed. Backfill (4K04001-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40410	11/04/04	11/04/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		98.0 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		106 %	70-130		"	"	"	"	



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

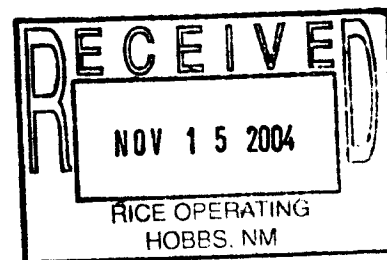
Project: EME D-1-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
11/05/04 10:29

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bott. Comp. at 12' (4K04001-01) Soil									
Chloride	106	20.0	mg/kg Wet	2	EK40409	11/04/04	11/04/04	SW 846 9253	
% Moisture	7.0		%	1	EK40502	11/04/04	11/05/04	% calculation	
4 Wall Comp. (4K04001-02) Soil									
Chloride	76.0	20.0	mg/kg Wet	2	EK40409	11/04/04	11/04/04	SW 846 9253	
% Moisture	7.0		%	1	EK40502	11/04/04	11/05/04	% calculation	
Remed. Backfill (4K04001-03) Soil									
Chloride	112	20.0	mg/kg Wet	2	EK40409	11/04/04	11/04/04	SW 846 9253	
% Moisture	6.0		%	1	EK40502	11/04/04	11/05/04	% calculation	



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.

Page 3 of 6

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

Project: EME D-1-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
11/05/04 10:29

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 EK40410 - Solvent Extraction (GC)

Blank (EK40410-BLK1)

Prepared & Analyzed: 11/04/04

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	39.5		mg/kg	50.0		79.0	70-130			
Surrogate: 1-Chlorooctadecane	42.6		"	50.0		85.2	70-130			

LCS (EK40410-BS1)

Prepared & Analyzed: 11/04/04

Gasoline Range Organics C6-C12	443	10.0	mg/kg wet	500		88.6	75-125			
Diesel Range Organics >C12-C35	531	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	974	10.0	"	1000		97.4	75-125			
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0		94.6	70-130			
Surrogate: 1-Chlorooctadecane	47.7		"	50.0		95.4	70-130			

Calibration Check (EK40410-CCV1)

Prepared & Analyzed: 11/04/04

Gasoline Range Organics C6-C12	474		mg/kg	500		94.8	80-120			
Diesel Range Organics >C12-C35	549		"	500		110	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	51.9		"	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	51.1		"	50.0		102	70-130			

Matrix Spike (EK40410-MS1)

Source: 4K04001-01

Prepared & Analyzed: 11/04/04

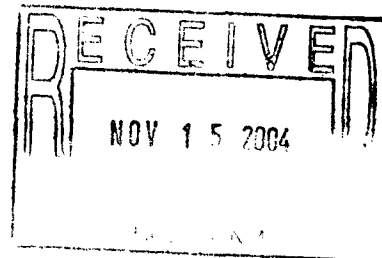
Gasoline Range Organics C6-C12	546	10.0	mg/kg dry	538	ND	101	75-125			
Diesel Range Organics >C12-C35	563	10.0	"	538	ND	105	75-125			
Total Hydrocarbon C6-C35	1110	10.0	"	1080	ND	103	75-125			
Surrogate: 1-Chlorooctane	55.3		mg/kg	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	52.8		"	50.0		106	70-130			

Matrix Spike Dup (EK40410-MSD1)

Source: 4K04001-01

Prepared & Analyzed: 11/04/04

Gasoline Range Organics C6-C12	516	10.0	mg/kg dry	538	ND	95.9	75-125	5.65	20	
Diesel Range Organics >C12-C35	556	10.0	"	538	ND	103	75-125	1.25	20	
Total Hydrocarbon C6-C35	1070	10.0	"	1080	ND	99.1	75-125	3.67	20	
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	50.7		"	50.0		101	70-130			



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

Project: EME D-1-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
11/05/04 10:29

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 EK40409 - Water Extraction

Blank (EK40409-BLK1)

Prepared & Analyzed: 11/04/04

Chloride ND 20.0 mg/kg Wet

Matrix Spike (EK40409-MS1)

Source: 4K04001-01

Prepared & Analyzed: 11/04/04

Chloride 617 20.0 mg/kg Wet 500 106 102 80-120

Matrix Spike Dup (EK40409-MSD1)

Source: 4K04001-01

Prepared & Analyzed: 11/04/04

Chloride 617 20.0 mg/kg Wet 500 106 102 80-120 0.00 20

Reference (EK40409-SRM1)

Prepared & Analyzed: 11/04/04

Chloride 5000 mg/kg 5000 100 80-120

Batch EK40502 - General Preparation (Prep)

Blank (EK40502-BLK1)

Prepared: 11/04/04 Analyzed: 11/05/04

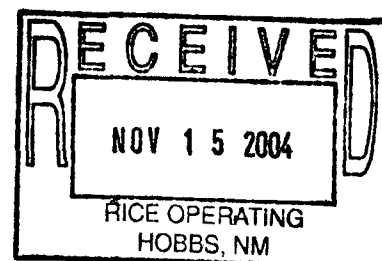
% Moisture 0.0 %

Duplicate (EK40502-DUP1)

Source: 4K04001-01

Prepared: 11/04/04 Analyzed: 11/05/04

% Moisture 7.0 % 7.0 0.00 20



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

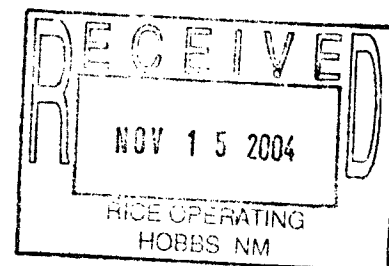
Project: EME D-1-1
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
11/05/04 10:29

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:

Alex D. Keene

Date:

11/5/04

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 Biezugbe, Lab Tech.

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

Environmental Lab of Texas

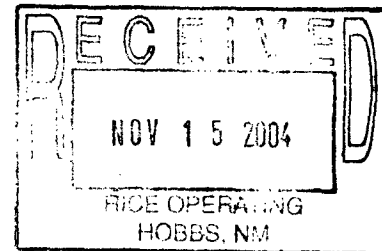
Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating Co.

Date/Time: 11-04-04 @ 0830

Order #: 4K04001

Initials: JMM



Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	No	4.0 C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<u>Not present</u>
Custody Seals intact on sample bottles?	Yes	No	<u>Not present</u>
Chain of custody present?	<input checked="" type="radio"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	No	
Container labels legible and intact?	<input checked="" type="radio"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	No	
Samples properly preserved?	<input checked="" type="radio"/> Yes	No	
Sample bottles intact?	<input checked="" type="radio"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	No	Not Applicable

Other observations:

Variance Documentation:

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

Corrective Action Taken:

Rice Operating Company

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

COPY

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

SERIAL NO: 104412

LOT NO: 02-22-30
EXP. DATE: 11/20/04
METER READING
ACCURACY: 100.1


100 PPM
BALANCE
FILL DATE: 5/20/03
ACCURACY: 100-2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	D-1-1 D-P4	D	1	20	36

All
composite
samples

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5' North	.1		
10' East	.1		
10' West	.1		
Bottom Comp 12'	.1		
4 WALL comp	.1		
REMO Backfill	.1		

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

Signature 

Date 11/1/04