1R - 427 - 190

REPORTS

DATE:

2-13-06

EME Jct K-4

IR0427-190

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	jct. K-4	K	4	20S	37E	Lea	no box--junction eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Martha Laughlin Williams Est. OTHER _____

Depth to Groundwater 31 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/11/2005 Date Completed 11/1/2005 NMOCD Witness no

Soil Excavated 36 cubic yards Excavation Length 16 Width 12 Depth 5 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 10/11/2005 Sample Depth 7 ft

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

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.1	<10.0	<10.0	103
GRAB @ 7 ft BGS	0.1	<10.0	<10.0	76.8

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
grab samples at junction (hand auger)	5	110
	6	99
	7	157
4-wall comp.	n/a	103
background	0.5	91

General Description of Remedial Action:

This junction was eliminated with the pipeline replacement program. After the box materials were removed, an initial investigation of the site was conducted. The soils and surrounding surface did not exhibit any indications of adverse impacts from the junction box. Soil samples were collected below ground surface using a hand auger. Chloride field tests performed on these samples yielded very low concentrations similar to background level. Lab analysis of these samples confirmed the chloride field tests. TPH concentrations were not present within the lab's detection limit (<10.0 ppm), meeting NMOCD guidelines. The former junction box site was backfilled with the excavated soil and contoured to the surrounding terrain. The disturbed surface was seeded with a blend of native vegetation on 11/2/2005 and is expected to return to productive capacity at a normal rate. Since this junction has been eliminated, a new box is not required.

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 Roy Rascon SIGNATURE Roy R. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE _____

DATE 2/13/2006 TITLE Project Scientist

EME jct. K-4

Unit 'K', Sec. 4, T20S, R37E

undisturbed junction box 8/27/2004

junction box removed 10/25/2004

backfilling and leveling 11/01/2005

seeding disturbed surface 11/02/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. K-4

Project Number: None Given

Location: None Given

Lab Order Number: 5J14005

Report Date: 10/17/05

Rice Operating Co.	Project: EME Jct. K-4	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	Reported:
Hobbs NM, 88240	Project Manager: Roy Rascon	10/17/05 17:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BTTM@ 7' Grab	5J14005-01	Soil	10/11/05 16:30	10/14/05 08:00
4 Wall Comp.	5J14005-02	Soil	10/11/05 16:00	10/14/05 08:00

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. K-4	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	Reported:
Hobbs NM, 88240	Project Manager: Roy Rascon	10/17/05 17:10

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTTM@ 7' Grab (5J14005-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ51403	10/14/05	10/14/05	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		*70.6 %*	*70-130*		"	"	"	"	
4 Wall Comp. (5J14005-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ51403	10/14/05	10/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.8 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: EME Jct. K-4	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/17/05 17:10

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTTM@ 7' Grab (5J14005-01) Soil									
Chloride	**76.8**	10.0	mg/kg	20	EJ51406	10/14/05	10/14/05	EPA 300.0	
% Moisture	**13.4**	0.1	%	1	EJ51706	10/14/05	10/17/05	% calculation	
4 Wall Comp. (5J14005-02) Soil									
Chloride	**103**	10.0	mg/kg	20	EJ51406	10/14/05	10/14/05	EPA 300.0	
% Moisture	**9.4**	0.1	%	1	EJ51706	10/14/05	10/17/05	% calculation	

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122 W. Taylor	Project Number: None Given	Reported:
Hobbs NM, 88240	Project Manager: Roy Rascon	10/17/05 17:10

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
Batch EJ51403 - Solvent Extraction (GC)										
Blank (EJ51403-BLK1)				Prepared & Analyzed: 10/14/05						
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	*46.7*		*mg/kg*	*50.0*		*93.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.5*		"	*50.0*		*73.0*	*70-130*			
LCS (EJ51403-BS1)				Prepared & Analyzed: 10/14/05						
Gasoline Range Organics C6-C12	377	10.0	mg/kg wet	500		75.4	75-125			
Diesel Range Organics >C12-C35	406	10.0	"	500		81.2	75-125			
Total Hydrocarbon C6-C35	783	10.0	"	1000		78.3	75-125			
Surrogate: 1-Chlorooctane	*45.0*		*mg/kg*	*50.0*		*90.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.5*		"	*50.0*		*77.0*	*70-130*			
Calibration Check (EJ51403-CCV1)				Prepared & Analyzed: 10/14/05						
Gasoline Range Organics C6-C12	463		mg/kg	500		92.6	80-120			
Diesel Range Organics >C12-C35	418		"	500		83.6	80-120			
Total Hydrocarbon C6-C35	881		"	1000		88.1	80-120			
Surrogate: 1-Chlorooctane	*47.0*		"	*50.0*		*94.0*	*0-200*			
Surrogate: 1-Chlorooctadecane	*35.7*		"	*50.0*		*71.4*	*0-200*			
Matrix Spike (EJ51403-MS1)	**Source: 5J14001-01**			Prepared & Analyzed: 10/14/05						
Gasoline Range Organics C6-C12	436	10.0	mg/kg dry	557	ND	78.3	75-125			
Diesel Range Organics >C12-C35	431	10.0	"	557	ND	77.4	75-125			
Total Hydrocarbon C6-C35	867	10.0	"	1110	ND	78.1	75-125			
Surrogate: 1-Chlorooctane	*47.3*		*mg/kg*	*50.0*		*94.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		"	*50.0*		*73.6*	*70-130*			
Matrix Spike Dup (EJ51403-MSD1)	**Source: 5J14001-01**			Prepared & Analyzed: 10/14/05						
Gasoline Range Organics C6-C12	434	10.0	mg/kg dry	557	ND	77.9	75-125	0.460	20	
Diesel Range Organics >C12-C35	438	10.0	"	557	ND	78.6	75-125	1.61	20	
Total Hydrocarbon C6-C35	872	10.0	"	1110	ND	78.6	75-125	0.575	20	
Surrogate: 1-Chlorooctane	*48.2*		*mg/kg*	*50.0*		*96.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		"	*50.0*		*73.6*	*70-130*			

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122 W. Taylor	Project Number: None Given	Reported:
Hobbs NM, 88240	Project Manager: Roy Rascon	10/17/05 17:10

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
Batch EJ51406 - Water Extraction										
Blank (EJ51406-BLK1)				Prepared & Analyzed: 10/14/05						
Chloride	ND	0.500	mg/kg							
LCS (EJ51406-BS1)				Prepared & Analyzed: 10/14/05						
Chloride	8.39		mg/L	10.0		83.9	80-120			
Calibration Check (EJ51406-CCV1)				Prepared & Analyzed: 10/14/05						
Chloride	8.57		mg/L	10.0		85.7	80-120			
Duplicate (EJ51406-DUP1)		Source: 5J13014-01		Prepared & Analyzed: 10/14/05						
Chloride	17100	200	mg/kg		16900			1.18	20	
Batch EJ51706 - General Preparation (Prep)										
Blank (EJ51706-BLK1)				Prepared: 10/14/05 Analyzed: 10/17/05						
% Solids	100		%							
Duplicate (EJ51706-DUP1)		Source: 5J14001-01		Prepared: 10/14/05 Analyzed: 10/17/05						
% Solids	90.1		%		89.8			0.334	20	

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Rice Operating Co.	Project: EME Jct. K-4	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/17/05 17:10

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: Celey D Keene Date: 10/17/2005

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.

Environmental Lab of Texas, Inc.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy R. RASCON
Company Name: RICE OPERATING CO.
Company Address: 122 W. TAYLOR
City/State/Zip: Hobbs, NM. 88240
Telephone No: (505) 393-9174
Fax No:
Sampler Signature: Roy R. RASCON

Project Name: EME JCT K-4
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP / TOTAL: TDS / Cl / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)
-01	BTM @ 7' GRAB	10-11-05	430 P	1	✓									✓		✓			✓					
-02	4 WALL Comp	10-11-05	400 P	1	✓									✓		✓			✓					

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Roy R. RASCON	10-13-05	1100A			
				10/13/05	18:00
Relinquished by:	Date	Time	Received by: ELOT	Date	Time
	10/14	8:00		10/14/05	8:00

Sample Containers Intact? Y N
Temperature Upon Receipt: 4°C
Laboratory Comments:

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

Client: Rice OP.

Date/Time: 10/14/05 5:00

Order #: 5J14005

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

RICE OPERATING CO.

122 West Tayor
Hobbs, New Mexico 88240
Phone: (505) 393 - 9174 FAX (505) 397 - 1471

VOC FIELD CALIBRATION REPORT FORM

Mini RAE Plus Classic Photoionization Gas Detector
Model NO: PGM 761S Serial NO:

Calibration Gas Composition: Isobutylene 100ppm / Air Balance

Lot NO.: 04-2474

Experation Date: 8-1-06 Fill Date: 2-1-05

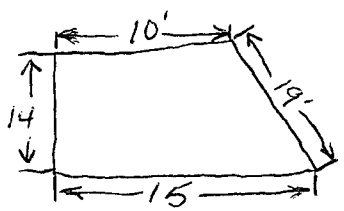
Calibration Gas Accuracy: +/- 2% Meter Reading Accuracy: 100.1

System	Junction	Unit	Section	Township	Range
EME	K-4	K	4	20S	37E

Sample Depth	PID Results	Sample Depth	PID Results	Sample Depth	PID Results
7' @ Source	0.1				
4 Wall Comp	0.1				

L W W
10 x 14 x 19 x D5'

N



Excavated By NORM & OR operations to Remove JCT Box & Plumb Straight Thru.

Signature: Ray R. Rascon

Date: 10-11-05