1R – 427 - 197

REPORTS

DATE:

1-31-06

EME JCT A-6

IR0427-197

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. A-6	A	6	22S	36E	Lea	no box--junction eliminated		

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

Depth to Groundwater 200 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9/17/2004 Date Completed 10/7/2004 NMOCD Witness no

Soil Excavated 12 cubic yards Excavation Length 9 Width 3 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 9/17/2004 **Sample Depth** 12 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
GRAB @ 12 ft BGS	0.1	<10.0	<10.0	<20

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical trench at junction box	6	392
	7	428
	8	330
	9	234
	10	209
	11	220
	12	254
background	0.5	89

General Description of Remedial Action:

This junction was eliminated with the pipeline replacement program. After the box materials were removed, a delineation trench was made at the former junction site using a backhoe while soil samples were collected at regular intervals to 12 ft BGS. Chloride field tests were performed on each sample and yielded a conclusive trend of decline of concentrations with depth. All PID screenings performed on the samples yielded 0.1 ppm VOCs and lab analysis on the 12-ft sample confirmed that hydrocarbon was not present within the lab's detection limits. Chloride concentrations at 12 ft were also less than the lab's detection limit of 20 ppm. The excavated soil was blended on site and then backfilled into the trench 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. Since the junction has been eliminated, a new box is not required.

enclosures: chloride graph, 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 1/31/2006 TITLE Project Scientist

EME jct. A-6

undisturbed junction box 8/26/2004

delineation & excavation 9/17/2004

backfilling excavation 10/7/2004

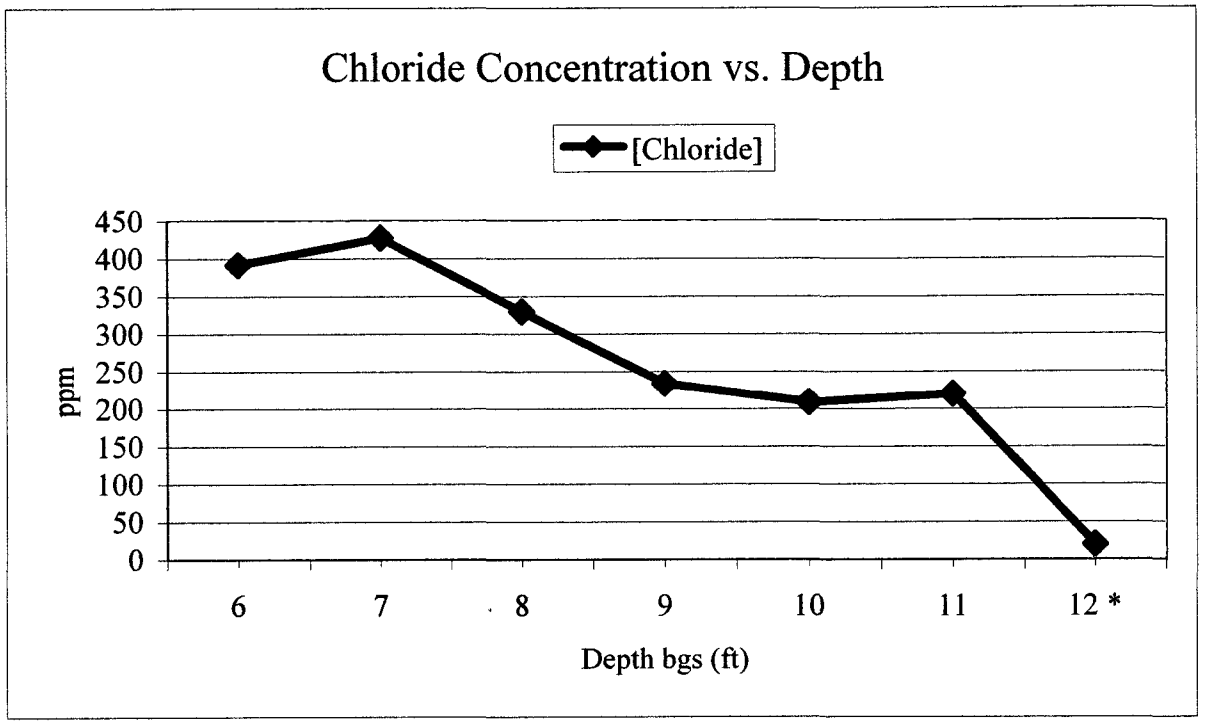
seeding backfilled site 10/7/2004

EME jct. A-6

T22S, R36E

Vertical Delineation at Junction

Depth bgs (ft)	[Cl⁻] ppm
6	392
7	428
8	330
9	234
10	209
11	220
12 *	20



* Laboratory analysis = <20 ppm Cl⁻

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 A-6
Project Number: None Given
Location: None Given

Lab Order Number: 4I26009

Report Date: 09/30/04

Rice Operating Co.	Project: EME A-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/30/04 15:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Grab at Source @ 12'	4126009-01	Soil	09/17/04 10:00	09/26/04 07:10

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Rice Operating Co.	Project: EME A-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/30/04 15:49

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Grab at Source @ 12' (4I26009-01) 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		*98.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.6 %*	*70-130*		"	"	"	"	

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Rice Operating Co.	Project: EME A-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	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
Grab at Source @ 12' (4I26009-01) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EI42703	09/27/04	09/28/04	SW 846 9253	
% Solids	**96.0**		%	1	EI42812	09/28/04	09/28/04	% calculation	

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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 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*			

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 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.	Project: EME A-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	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
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	

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Rice Operating Co.	Project: EME A-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	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: Celey D. Keene Date: 10/01/04

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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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 Rascon
Company Name: Rice Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs NM 88240
Telephone No: 505 393-9174
Fax No:
Sampler Signature: Joe Scott

Project Name: EMF A-6
Project #:
Project Loc:
PO #: 510

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers (4oz glass)	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: ~~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)	Standard TAT
4126009 -01	Daeb at Source at 12'	9/17/04	10:00	1	X									X		X			X												

TCLP:
TOTAL:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Joe Scott	9/24/04	4:70			
Relinquished by: Bryant C/A	9-25-04	8:30 a	Received by ELOT: From Drop Box Jeanie McMurry	9-28-04	0710

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments:
-2.5°C

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

Client: Rice Operating Co.

Date/Time: 09-26-04 @ 1415

Order #: 4I26009

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	-2.5 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 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: 02-22-30
EXP. DATE: 11/20/04
METER READING
ACCURACY: 100.1

SERIAL NO: 104412

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

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	A-6	A	6	22	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 6'	0.1		
Source 7'	0.1		
Source 8'	0.1		
Source 9'	0.1		
Source 10'	0.1		
Source 11'	0.1		
Source 12'	0.1		

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

Joe Scott
Signature

Environmental Tech.
Title

9/17/04
Date