1R - 427 - 201

REPORTS

DATE:

11-15-05

EME JCT D-19

IR0427-201

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	P-19	P	19	20S	37E	Lea	no box--junction eliminated		

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

Depth to Groundwater 35 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/7/2005 Date Completed 3/17/2005 NMOCD Witness no

Soil Excavated 22 cubic yards Excavation Length 10 Width 10 Depth 6 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 3/7/2005 **Sample Depth** 6 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.

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	3.8	<10.0	<10.0	39.5
BOTTOM COMP.	3.0	<10.0	<10.0	36.1
REMED. BACKFILL	8.7	<10.0	<10.0	22.1

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical at junction box	5	98
	6	107
	7	119
	8	93
	9	83
	10	101
	11	101
	12	77
5 ft *WEST* of junction	2	111
	3	86
	4	90
	5	83
	6	89
background	1	85
4-wall comp.	n/a	71
bottom comp.	6	107
remed. comp.	n/a	78

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 then delineated using a backhoe while soil samples were field-tested for chloride and screened using a PID at regular intervals. There were no physical indications of hydrocarbon or chloride impact throughout the 10 x 10 x 6 ft deep excavation. Lab analysis of samples from the final excavation confirmed non-detect TPH concentrations (<10.0 ppm), meeting NMOCD guidelines. Chloride concentrations were very low throughout, reflective of background concentrations and indicative of unsaturated vadose conditions. The excavated soil was blended on site and then backfilled into the excavation. The disturbed surface was seeded with a blend of native vegetation and is expected to return to productive capacity at a normal rate.

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 Israel Juarez SIGNATURE Israel Juarez COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 11/15/2005 TITLE Project Scientist

EME jct. P-19

undisturbed junction box 12/31/2003

beginning delineation & excavation 3/7/2005

final 10 x 10 x 6 ft deep excavation 3/7/2005

seeding backfilled location 3/18/2005

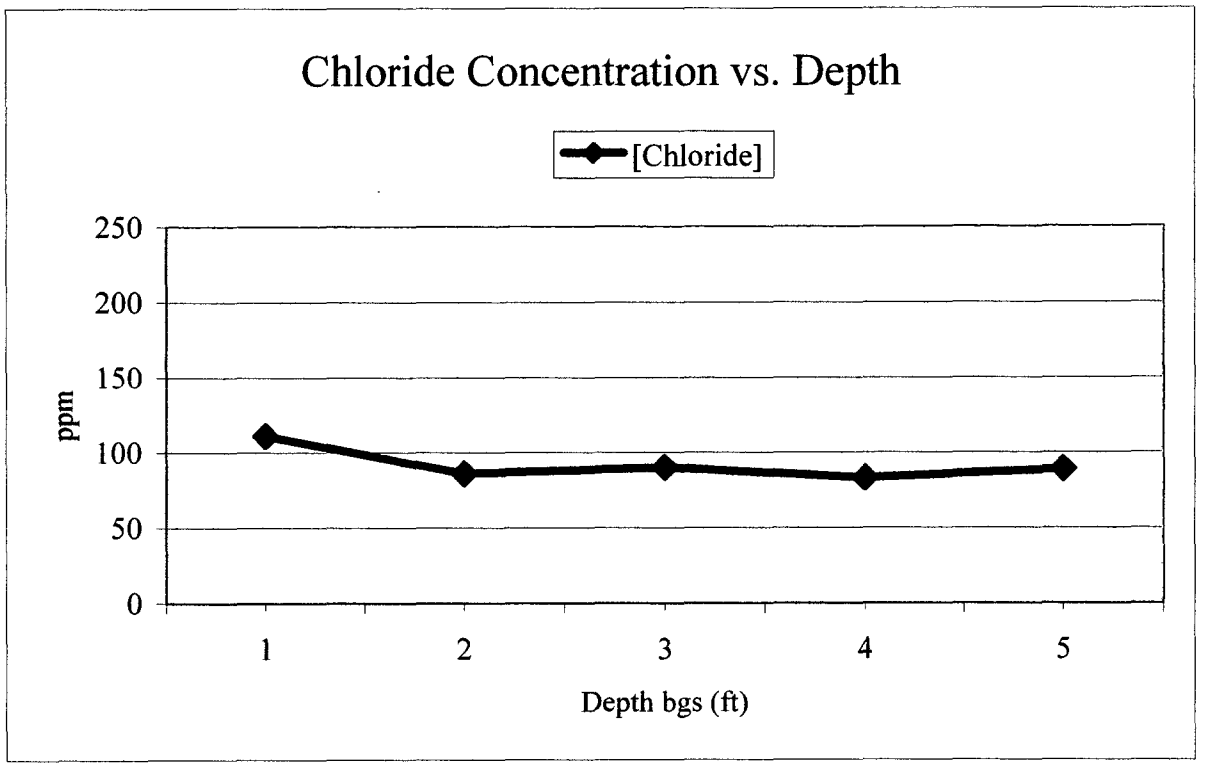
EME jct. P-19

T20S, R37E

5 ft WEST of junction

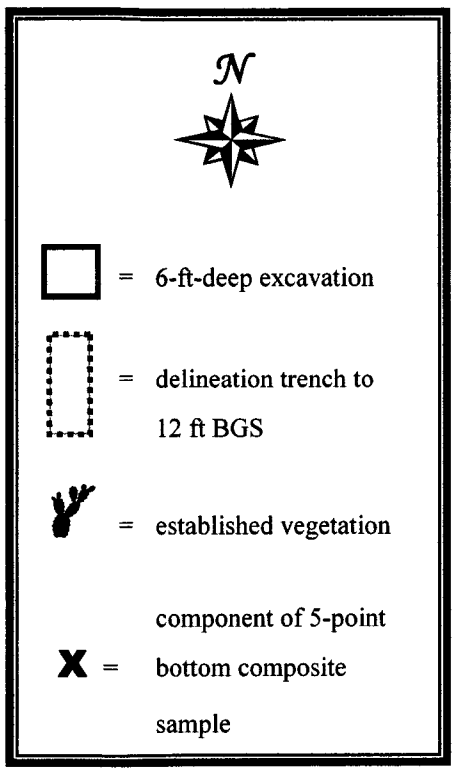
Depth bgs (ft)	[Cl⁻] ppm
1	111
2	86
3	90
4	83
5	89

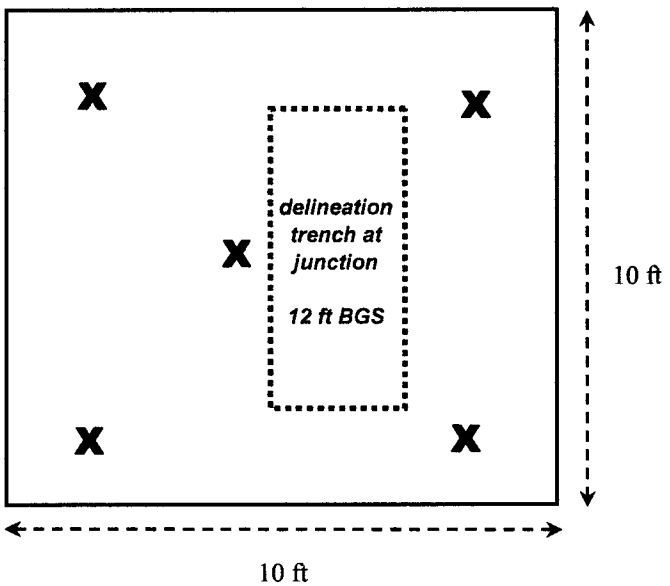
Groundwater = 35 ft



EME jct. P-19

10 x 10 x 6 ft Excavation Plan View





ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

COPY

Analytical Report

Prepared for:

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

COPY

Project: EME Jct. P-19
Project Number: None Given
Location: None Given

Lab Order Number: 5C10001

Report Date: 03/14/05

Rice Operating Co.	Project: EME Jct. P-19	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	03/14/05 11:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4 Wall Comp.	5C10001-01	Soil	03/07/05 14:41	03/10/05 07:30
Remediated Backfill	5C10001-02	Soil	03/07/05 14:15	03/10/05 07:30
Bottom Comp. 6'	5C10001-03	Soil	03/07/05 14:19	03/10/05 07:30

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

Rice Operating Co.	Project: EME Jct. P-19	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	03/14/05 11:36

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Wall Comp. (5C10001-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC51007	03/10/05	03/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.8 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.8 %*	*70-130*		"	"	"	"	
Remediated Backfill (5C10001-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC51007	03/10/05	03/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.0 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.4 %*	*70-130*		"	"	"	"	
Bottom Comp. (5C10001-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC51007	03/10/05	03/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.6 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*87.4 %*	*70-130*		"	"	"	"	

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.	Project: EME Jct. P-19	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	03/14/05 11:36

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Wall Comp. (5C10001-01) Soil									
Chloride	**39.5**	5.00	mg/kg	10	EC51109	03/10/05	03/10/05	EPA 300.0	
% Moisture	**12.5**	0.1	%	1	EC51103	03/10/05	03/11/05	% calculation	
Remediated Backfill (5C10001-02) Soil									
Chloride	**22.1**	5.00	mg/kg	10	EC51109	03/10/05	03/10/05	EPA 300.0	
% Moisture	**ND**	0.1	%	1	EC51103	03/10/05	03/11/05	% calculation	
Bottom Comp. (5C10001-03) Soil									
Chloride	**36.1**	5.00	mg/kg	10	EC51109	03/10/05	03/10/05	EPA 300.0	
% Moisture	**ND**	0.1	%	1	EC51103	03/10/05	03/11/05	% calculation	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	03/14/05 11:36

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 EC51007 - Solvent Extraction (GC)										
Blank (EC51007-BLK1)				Prepared: 03/10/05 Analyzed: 03/11/05						
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	*37.9*		*mg/kg*	*50.0*		*75.8*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
LCS (EC51007-BS1)				Prepared: 03/10/05 Analyzed: 03/11/05						
Gasoline Range Organics C6-C12	434	10.0	mg/kg wet	500		86.8	76.3-104			
Diesel Range Organics >C12-C35	480	10.0	"	500		96.0	76.1-118			
Total Hydrocarbon C6-C35	914	10.0	"	1000		91.4	81.8-105			
Surrogate: 1-Chlorooctane	*35.5*		*mg/kg*	*50.0*		*71.0*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*36.5*		*"*	*50.0*		*73.0*	*70-130*			
Calibration Check (EC51007-CCV1)				Prepared: 03/10/05 Analyzed: 03/11/05						
Gasoline Range Organics C6-C12	498		mg/kg	500		99.6	80-120			
Diesel Range Organics >C12-C35	498		"	500		99.6	80-120			
Total Hydrocarbon C6-C35	996		"	1000		99.6	80-120			
Surrogate: 1-Chlorooctane	*50.8*		*"*	*50.0*		*102*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*47.9*		*"*	*50.0*		*95.8*	*70-130*			
Matrix Spike (EC51007-MS1)		**Source: 5C10002-01**		Prepared: 03/10/05 Analyzed: 03/11/05						
Gasoline Range Organics C6-C12	798	10.0	mg/kg dry	906	ND	88.1	75.9-114			
Diesel Range Organics >C12-C35	1040	10.0	"	906	41.7	110	85.3-122			
Total Hydrocarbon C6-C35	1840	10.0	"	1810	41.7	99.4	84.4-115			
Surrogate: 1-Chlorooctane	*49.6*		*mg/kg*	*50.0*		*99.2*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*48.0*		*"*	*50.0*		*96.0*	*70-130*			
Matrix Spike Dup (EC51007-MSD1)		**Source: 5C10002-01**		Prepared: 03/10/05 Analyzed: 03/11/05						
Gasoline Range Organics C6-C12	782	10.0	mg/kg dry	906	ND	86.3	75.9-114	2.03	10.4	
Diesel Range Organics >C12-C35	1020	10.0	"	906	41.7	108	85.3-122	1.94	10.4	
Total Hydrocarbon C6-C35	1800	10.0	"	1810	41.7	97.1	84.4-115	2.20	7.6	
Surrogate: 1-Chlorooctane	*49.6*		*mg/kg*	*50.0*		*99.2*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*46.3*		*"*	*50.0*		*92.6*	*70-130*			

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Rice Operating Co.	Project: EME Jct. P-19	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	03/14/05 11:36

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 EC51103 - General Preparation (Prep)										
Blank (EC51103-BLK1)				Prepared: 03/10/05 Analyzed: 03/11/05						
% Moisture	ND	0.1	%							
Duplicate (EC51103-DUP1)		**Source: 5C09006-03**		Prepared: 03/10/05 Analyzed: 03/11/05						
% Moisture	10.9	0.1	%		11.6			6.22	20	
Batch EC51109 - Water Extraction										
Blank (EC51109-BLK1)				Prepared & Analyzed: 03/10/05						
Chloride	ND	0.500	mg/kg							
LCS (EC51109-BS1)				Prepared & Analyzed: 03/10/05						
Chloride	10.3		mg/L	10.0		103	80-120			
Calibration Check (EC51109-CCV1)				Prepared & Analyzed: 03/10/05						
Chloride	10.4		mg/L	10.0		104	80-120			
Duplicate (EC51109-DUP1)		**Source: 5C10003-02**		Prepared & Analyzed: 03/10/05						
Chloride	210	10.0	mg/kg		209			0.477	20	

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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: Raland K Tuttle Date: 3-15-05

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.

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, Inc.

2600 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
Company Address: 122 W Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: 505-393-9174 **Fax No:** 505-397-1471
Sampler Signature: Israel Juarez

Project Name: EME Jct P-19
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TOTAL: (Cl)	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	EC, CEC, SAR, ESP	Major cations/anions, TDS	RUSH TAT (Pre-Schedule)	Standard TAT
-01	4 wall Comp	3-7-05	2:41	1	X									X		X			X								
-02	Remediated backfill	3-7-05	2:15	1	X									X		X			X								
-03	Bottom Comp.	3-7-05	2:19	1	X									X		X			X								

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: -1.5°C
Laboratory Comments: 4oz glass w/ice + seals on containers + cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Israel Juarez	3-9-05	5:12p			
Relinquished by:	Date	Time	Received by ELOT: From Drop Box	Date	Time
	3-10-05	5:20A	Dyanne McMurray	03-10-05	0730

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

Client: Rice Operating

Date/Time: 3/10/05 7:30

Order #: 5M0001

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	-1.5 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

HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

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

LOT NO: 03-2475
EXP. DATE: 1-8-06
METER READING
ACCURACY: 101

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 2-7-04
ACCURACY: ± 2%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
EME	P-19	P	19	20s	37E

All composite samples

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5' East of Source		Rem. BT.	8.7 ← Remediated backfill
1'	4.7		
2'	3.9		
3'	6.0		
4'	3.2		
5'	5.1		
6'	3.6		
N. wall Comp.	3.8		
S. wall Comp.	2.5		
E. wall Comp.	1.1		
W. wall Comp.	3.3		
4 wall comp	3.8		
Bottom Comp 6'	3.0		

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

Signature Darrell Jones Date 3-7-05