1R - 427-205

REPORTS

DATE:

2006

EME Vent C-20
IR-427-205

RECEIVED
APR - 4 2007
Environmental Bureau
Oil Conservation Division

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	L-20 vent	L	20	19S	37E	Lea	14	10	6

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Jimmie T. Cooper OTHER _____

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 6/8/2005 Date Completed 7/18/2005 NMOCD Witness no

Soil Excavated 333 cubic yards Excavation Length 30 Width 25 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 7/6/2005 **Sample Depth** 12 ft

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.	3.0	<10.0	<10.0	79.9
BOTTOM COMP.	26.2	<10.0	<10.0	85.4
REMED. BACKFILL	18.9	<10.0	<10.0	61.7

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
15 ft SOUTH of junction	3	146
	4	148
	5	209
	6	270
	7	758
	8	525
	9	867
	10	575
	11	314
	12	255
4-wall comp.	n/a	297
bottom comp.	12	147
backfill comp.	n/a	143

General Description of Remedial Action: This junction was upgraded with the pipeline replacement program. When the old box was removed, the site was delineated using a backhoe while PID screenings and chloride field tests were performed on soil samples every vertical foot. A 30 x 25 x 12-ft-deep excavation was made and composite samples from the 12-ft bottom, 4-walls, and backfill were sent to a laboratory for analysis. All samples yielded non-detect TPH concentrations (<10.0 ppm), meeting NMOCD guidelines. Chloride samples were all less than 250 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 and is expected to return to productive capacity at a normal rate. A new watertight junction box has been built as a replacement over this location.

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 Jorge Hernandez SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 2/13/2006 TITLE Project Scientist

EME L-20 vent

Unit 'L', Sec. 20, T19S, R37E

undisturbed junction box 1/7/2004

box removed; old plumbing 11/10/2004

new plumbing 11/10/2004

delineation & excavation 6/27/2005

delineation & excavation 7/5/2005

backfilling excavation 7/14/2005

floor of new junction box with poly liner 8/19/2005

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: 64-2747
EXP. DATE: 8-1-06
METER READING
ACCURACY: 100.1

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 2-1-05
ACCURACY: ± 2%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
EME Vent	L-20	L	20	19S	37E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottom Composit 12'	26.2		
Remediate Back Fill	18.9		
East wall @ 15'	13.3		
South wall @ 15'	8.2		
West wall @ 15' (10')	5.3		
North wall @ 15'	6.3		
4-wall Composit	3.0		

JIS E/W D, 30'X25'X12

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

Signature Jay Hernandez

Date 7-1-05

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

30 x 25 x 12 ft

FINAL

Analytical Report

Prepared for:

Roy Rascon

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

COPY

Project: EME Jct. L-20

Project Number: None Given

Location: None Given

Lab Order Number: 5G07001

Report Date: 07/12/05

Rice Operating Co.	Project: EME Jct. L-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/12/05 09:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Composite @ 12'	5G07001-01	Soil	07/06/05 10:50	07/06/05 17:20
Remediate Backfill	5G07001-02	Soil	07/06/05 10:45	07/06/05 17:20
4-Wall Composite	5G07001-03	Soil	07/06/05 11:30	07/06/05 17:20

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Rice Operating Co.	Project: EME Jct. L-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/12/05 09:02

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Composite @ 12' (5G07001-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG50709	07/07/05	07/07/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
Remediate Backfill (5G07001-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG50709	07/07/05	07/08/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
4-Wall Composite (5G07001-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG50709	07/07/05	07/08/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/12/05 09:02

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Composite @ 12' (5G07001-01) Soil									
Chloride	**85.4**	5.00	mg/kg	10	EG51104	07/08/05	07/08/05	EPA 300.0	
% Moisture	**12.3**	0.1	%	1	EG50801	07/07/05	07/08/05	% calculation	
Remediate Backfill (5G07001-02) Soil									
Chloride	**61.7**	5.00	mg/kg	10	EG51104	07/08/05	07/08/05	EPA 300.0	
% Moisture	**23.4**	0.1	%	1	EG50801	07/07/05	07/08/05	% calculation	
4-Wall Composite (5G07001-03) Soil									
Chloride	**79.9**	5.00	mg/kg	10	EG51104	07/08/05	07/08/05	EPA 300.0	
% Moisture	**18.8**	0.1	%	1	EG50801	07/07/05	07/08/05	% 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 EG50709 - Solvent Extraction (GC)										
Blank (EG50709-BLK1)				Prepared & Analyzed: 07/07/05						
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	*39.4*		*mg/kg*	*50.0*		*78.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.9*		*"*	*50.0*		*77.8*	*70-130*			
LCS (EG50709-BS1)				Prepared & Analyzed: 07/07/05						
Gasoline Range Organics C6-C12	382	10.0	mg/kg wet	500		76.4	75-125			
Diesel Range Organics >C12-C35	475	10.0	"	500		95.0	75-125			
Total Hydrocarbon C6-C35	857	10.0	"	1000		85.7	75-125			
Surrogate: 1-Chlorooctane	*46.2*		*mg/kg*	*50.0*		*92.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.5*		*"*	*50.0*		*83.0*	*70-130*			
Calibration Check (EG50709-CCV1)				Prepared: 07/07/05 Analyzed: 07/08/05						
Gasoline Range Organics C6-C12	497		mg/kg	500		99.4	80-120			
Diesel Range Organics >C12-C35	556		"	500		111	80-120			
Total Hydrocarbon C6-C35	1050		"	1000		105	80-120			
Surrogate: 1-Chlorooctane	*57.0*		*"*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.7*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike (EG50709-MS1)	**Source: 5G07001-01**			Prepared: 07/07/05 Analyzed: 07/08/05						
Gasoline Range Organics C6-C12	557	10.0	mg/kg dry	570	ND	97.7	75-125			
Diesel Range Organics >C12-C35	648	10.0	"	570	ND	114	75-125			
Total Hydrocarbon C6-C35	1210	10.0	"	1140	ND	106	75-125			
Surrogate: 1-Chlorooctane	*64.2*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.6*		*"*	*50.0*		*117*	*70-130*			
Matrix Spike Dup (EG50709-MSD1)	**Source: 5G07001-01**			Prepared: 07/07/05 Analyzed: 07/08/05						
Gasoline Range Organics C6-C12	558	10.0	mg/kg dry	570	ND	97.9	75-125	0.179	20	
Diesel Range Organics >C12-C35	662	10.0	"	570	ND	116	75-125	2.14	20	
Total Hydrocarbon C6-C35	1220	10.0	"	1140	ND	107	75-125	0.823	20	
Surrogate: 1-Chlorooctane	*64.3*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.2*		*"*	*50.0*		*118*	*70-130*			

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/12/05 09:02

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 EG50801 - General Preparation (Prep)										
Blank (EG50801-BLK1)				Prepared: 07/07/05 Analyzed: 07/08/05						
% Moisture	ND	0.1	%							
Duplicate (EG50801-DUP1)	**Source: 5G07001-01**			Prepared: 07/07/05 Analyzed: 07/08/05						
% Moisture	14.2	0.1	%		12.3			14.3	20	
Batch EG51104 - Water Extraction										
Blank (EG51104-BLK1)				Prepared & Analyzed: 07/08/05						
Chloride	ND	0.500	mg/kg							
LCS (EG51104-BS1)				Prepared & Analyzed: 07/08/05						
Chloride	10.7		mg/L	10.0		107	80-120			
Calibration Check (EG51104-CCV1)				Prepared & Analyzed: 07/08/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Duplicate (EG51104-DUP1)	**Source: 5G07001-01**			Prepared & Analyzed: 07/08/05						
Chloride	85.2	5.00	mg/kg		85.4			0.234	20	

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Rice Operating Co.	Project: EME Jct. L-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/12/05 09:02

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: 7/12/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
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 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:

Project Name: ~~East Vacuum~~ Vac I-20
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: /CL/	Analyze For: 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
5900-7001																																
-01	Bottom Compost @ 12'	7-6-05	~~10:30~~ 10:37	1	X									X		X				X												
-02	Remediate Backfill	7-6-05	10:45	1	X									X		X				X												
-03	4-well Compost	7-6-05	11:30	1	X									X		X				X												

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 4oc glass
Laboratory Comments: Rec 0.0C Labels, Custody Seals

Relinquished by:	Date	Time	Received by:	Date	Time
	7-6-05			7/6/05	15:00
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	7/6/05	17:20		7-6-05	1720

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

Client: Rice Operating Co.

Date/Time: 07-06-05 @ 1720

Order #: 5G07001

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.0 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: