

1R - 427 - 156

REPORTS

DATE:

10-20-24

EME U-6-2 Vent

1R0427-156

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	U-6-2 vent	UNIT	6	21S	36E	Lea	Length	Width	Depth
							no box-junction eliminated		

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

Depth to Groundwater 140 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9/14/2004 Date Completed 9/23/2004 OCD Witness No

Soil Excavated 18 cubic yards Excavation Length 4 Width 10 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 9/14/2004 Sample Depth 12 ft

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
VERTICAL GRAB @ 12 ft BGS	1.0	<10.0	<10.0	<20

LOCATION	DEPTH (ft)	ppm
Vertical delineation trench at junction	4	239
	6	120
	8	89
	10	89
	12	89
background	0.5	142

General Description of Remedial Action: This junction box contained a vent and exhibited no visible indications of hydrocarbon or chloride impact. The box was surrounded by healthy native vegetation. The junction was eliminated with the pipeline replacement project. The box lumber was removed and the site was delineated using a backhoe while PID field screenings and chloride field tests were conducted every 2 ft down to 12 ft BGS. PID readings were low and TPH lab results confirmed concentrations well below NMOCD guidelines. Chloride concentrations were very low and no further excavation was warranted. The excavated soil was blended and backfilled into the hole. The disturbed surface was seeded with a blend of native vegetation on 9/23/2004 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 Rob Elam SIGNATURE not available COMPANY Curt's Environmental—Odessa, Texas

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope
DATE 10/20/2004 TITLE Project Scientist

EME jct. U-6-2



undisturbed junction box

8/24/2004



backfilled; seeding disturbed surface

9/23/2004

unit 'U', Sec. 6, T21S, R36E



delineation trench 12 ft deep at former junction site

9/14/2004



completed backfilled site; junction eliminated (looking east)

9/23/2004

EME U-6-2 vent

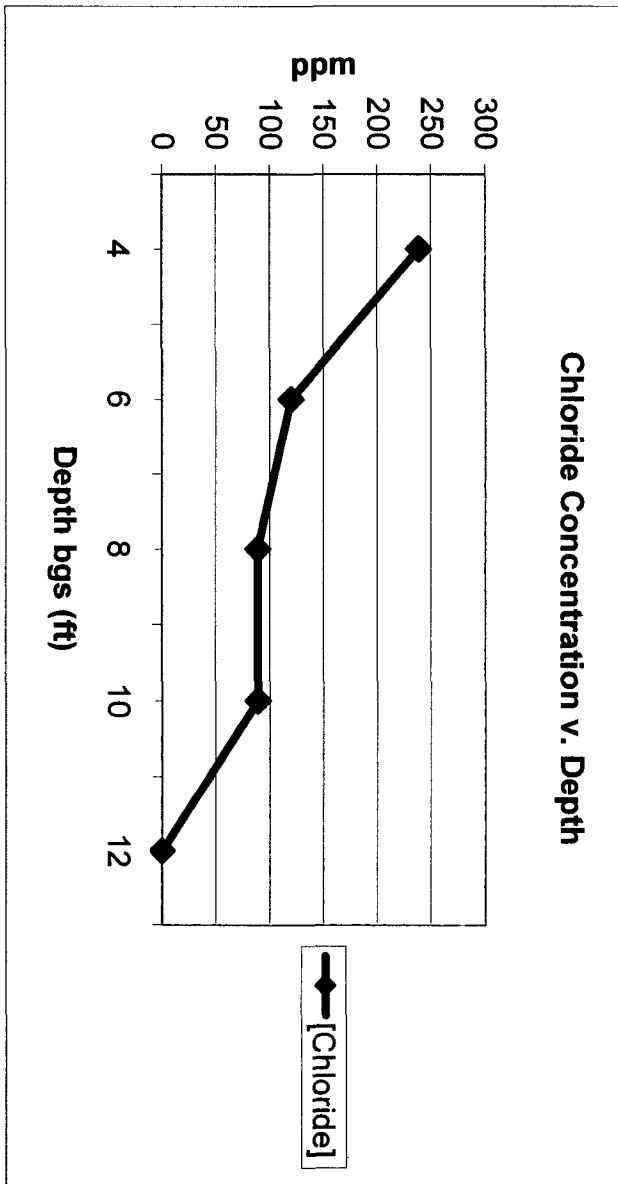
unit 'U', Sec. 6, T21S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl ⁻] ppm
4	239
6	120
8	89
10	89
12	20 *

* lab analysis yielded chloride concentration <20 ppm.

Groundwater = 140 ft



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: 03-2475

EXP. DATE: 10-19-04

METER READING

ACCURACY: 100.0

SERIAL NO: ¹⁰⁴⁵³⁰
~~404412~~

100 PPM

BALANCE

FILL DATE: 4-19-04

ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	Vent U-6-2	U	6	21	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 4'	11.3		
6'	18.8		
8'	4.8		
10'	1.9		
12'	1.0		

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

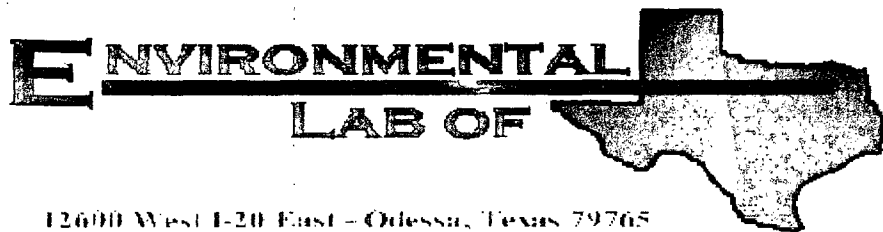


Signature

Title

9-14-04

Date



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 Vent U-6-2
Project Number: None Given
Location: RRR

Lab Order Number: 4116006

Report Date: 09/22/04

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

Project: EME Vent U-6-2
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
09/22/04 10:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
12' Source	4I16006-01	Solid	09/14/04 15:20	09/16/04 08:00

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

Project: EME Vent U-6-2
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
09/22/04 10:00

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12' Source (4116006-01) Solid									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	E141719	09/17/04	09/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		92.4 %	70-130		"	"	"	"	

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

Project: EME Vent U-6-2
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471
Reported:
09/22/04 10:00

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
12' Source (4116006-01) Solid										
Chloride	ND	20.0	mg/kg Wet	2	EI42112	09/16/04	09/21/04	SW 846 9253		
% Solids	94.0		%	1	EI41707	09/16/04	09/16/04	% calculation		

Environmental Lab of Texas

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

Project: EME Vent U-6-2
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/22/04 10:00

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EI41719 - Solvent Extraction (GC)									
Blank (EI41719-BLK1) Prepared: 09/17/04 Analyzed: 09/19/04									
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	44.2		mg/kg	50.0		88.4	70-130		
Surrogate: 1-Chlorooctadecane	41.8		"	50.0		83.6	70-130		
Blank (EI41719-BLK2) Prepared: 09/17/04 Analyzed: 09/19/04									
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	48.3		mg/kg	50.0		96.6	70-130		
Surrogate: 1-Chlorooctadecane	36.3		"	50.0		72.6	70-130		
LCS (EI41719-BS1) Prepared: 09/17/04 Analyzed: 09/19/04									
Gasoline Range Organics C6-C12	426	10.0	mg/kg wet	500		85.2	75-125		
Diesel Range Organics >C12-C35	498	10.0	"	500		99.6	75-125		
Total Hydrocarbon C6-C35	924	10.0	"	1000		92.4	75-125		
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	70-130		
Surrogate: 1-Chlorooctadecane	56.4		"	50.0		113	70-130		
LCS (EI41719-BS2) Prepared: 09/17/04 Analyzed: 09/19/04									
Gasoline Range Organics C6-C12	415	10.0	mg/kg wet	500		83.0	75-125		
Diesel Range Organics >C12-C35	505	10.0	"	500		101	75-125		
Total Hydrocarbon C6-C35	920	10.0	"	1000		92.0	75-125		
Surrogate: 1-Chlorooctane	54.0		mg/kg	50.0		108	70-130		
Surrogate: 1-Chlorooctadecane	44.3		"	50.0		88.6	70-130		
Calibration Check (EI41719-CCV1) Prepared: 09/17/04 Analyzed: 09/19/04									
Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	80-120		
Diesel Range Organics >C12-C35	520		"	500		104	80-120		
Total Hydrocarbon C6-C35	945		"	1000		94.5	80-120		
Surrogate: 1-Chlorooctane	52.0		"	50.0		104	70-130		
Surrogate: 1-Chlorooctadecane	47.9		"	50.0		95.8	70-130		

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

Project: EME Vent U-6-2
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/22/04 10:00

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 EI41719 - Solvent Extraction (GC)

Calibration Check (EI41719-CCV2)

Prepared: 09/17/04 Analyzed: 09/19/04

Gasoline Range Organics C6-C12	427		mg/kg	500		85.4	80-120			
Diesel Range Organics >C12-C35	483		"	500		96.6	80-120			
Total Hydrocarbon C6-C35	910		"	1000		91.0	80-120			
Surrogate: 1-Chlorooctane	51.6		"	50.0		103	70-130			
Surrogate: 1-Chlorooctadecane	47.0		"	50.0		94.0	70-130			

Matrix Spike (EI41719-MS1)

Source: 4I16003-01

Prepared: 09/17/04 Analyzed: 09/19/04

Gasoline Range Organics C6-C12	469	10.0	mg/kg dry	521	ND	90.0	75-125			
Diesel Range Organics >C12-C35	555	10.0	"	521	ND	107	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1040	ND	98.1	75-125			
Surrogate: 1-Chlorooctane	55.9		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	52.5		"	50.0		105	70-130			

Matrix Spike (EI41719-MS2)

Source: 4I17004-13

Prepared: 09/17/04 Analyzed: 09/19/04

Gasoline Range Organics C6-C12	506	10.0	mg/kg dry	549	ND	92.2	75-125			
Diesel Range Organics >C12-C35	627	10.0	"	549	15.3	111	75-125			
Total Hydrocarbon C6-C35	1130	10.0	"	1100	15.3	101	75-125			
Surrogate: 1-Chlorooctane	55.1		mg/kg	50.0		110	70-130			
Surrogate: 1-Chlorooctadecane	54.7		"	50.0		109	70-130			

Matrix Spike Dup (EI41719-MSD1)

Source: 4I16003-01

Prepared: 09/17/04 Analyzed: 09/19/04

Gasoline Range Organics C6-C12	478	10.0	mg/kg dry	521	ND	91.7	75-125	1.90	20	
Diesel Range Organics >C12-C35	577	10.0	"	521	ND	111	75-125	3.89	20	
Total Hydrocarbon C6-C35	1060	10.0	"	1040	ND	102	75-125	3.85	20	
Surrogate: 1-Chlorooctane	57.5		mg/kg	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	53.8		"	50.0		108	70-130			

Matrix Spike Dup (EI41719-MSD2)

Source: 4I17004-13

Prepared: 09/17/04 Analyzed: 09/19/04

Gasoline Range Organics C6-C12	522	10.0	mg/kg dry	549	ND	95.1	75-125	3.11	20	
Diesel Range Organics >C12-C35	630	10.0	"	549	15.3	112	75-125	0.477	20	
Total Hydrocarbon C6-C35	1150	10.0	"	1100	15.3	103	75-125	1.75	20	
Surrogate: 1-Chlorooctane	57.0		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	57.5		"	50.0		115	70-130			

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

Project: EME Vent U-6-2
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/22/04 10:00

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 EI41707 - % Solids

Blank (EI41707-BLK1)

Prepared & Analyzed: 09/16/04

% Solids 100 %

Duplicate (EI41707-DUP1)

Source: 4115011-01

Prepared & Analyzed: 09/16/04

% Solids 100 % 100 0.00 20

Batch EI42112 - Water Extraction

Blank (EI42112-BLK1)

Prepared: 09/16/04 Analyzed: 09/21/04

Chloride ND 20.0 mg/kg Wet

Matrix Spike (EI42112-MS1)

Source: 4116001-01

Prepared: 09/16/04 Analyzed: 09/21/04

Chloride 1300 20.0 mg/kg Wet 500 830 94.0 80-120

Matrix Spike Dup (EI42112-MSD1)

Source: 4116001-01

Prepared: 09/16/04 Analyzed: 09/21/04

Chloride 1300 20.0 mg/kg Wet 500 830 94.0 80-120 0.00 20

Reference (EI42112-SRM1)

Prepared & Analyzed: 09/21/04

Chloride 4940 mg/kg 5000 98.8 80-120

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

Project: EME Vent U-6-2
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/22/04 10:00

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:

9/22/04

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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