1R - 425-25

REPORTS

DATE:

JAN 6, 2006

Vac. Vent K-33

IRO425-25

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
Vacuum	K-33 vent	K	33	17S	35E	Lea	System Abandonment--no box		

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

Depth to Groundwater 83 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/12/2005 Date Completed 12/20/2005 NMOCD Witness no

Soil Excavated 6 cubic yards Excavation Length 8 Width 3 Depth 7 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 9/1/2005 **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
GRAB @ 7 ft BGS	1.5	<10.0	179	9.63

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical trench at junction	2	152
	3	141
	4	117
	5	151
	6	145
	7	146

General Description of Remedial Action: This junction box was addressed as part of the Vacuum SWD System Abandonment. After removing the box materials, a delineation trench was made using a backhoe while soil samples were collected at regular intervals to 7 ft BGS. Chloride field tests were conducted on each soil sample and exhibited low concentrations similar to background level. PID screenings were also performed on the samples and were also very low. A grab sample at 7 ft BGS was analyzed at a laboratory for confirmation of field tests. NMOCD TPH guidelines were met. 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.

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 1/6/2006 TITLE Project Scientist

Vacuum K-33 vent

Unit 'K', Sec. 33, T17S, R35E

undisturbed junction box 6/30/2005

delineation trench at former box site 8/12/2005

seeding backfilled site 12/23/2005

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

Project: Vacuum Vent K-33
Project Number: None Given
Location: None Given

Lab Order Number: 5I02011

Report Date: 09/08/05

Rice Operating Co.	Project: Vacuum Vent K-33	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	09/08/05 12:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Grab Sample @ 7'	5I02011-01	Soil	09/01/05 10:00	09/02/05 14:00

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Grab Sample @ 7' (5I02011-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50202	09/06/05	09/06/05	EPA 8015M	
Diesel Range Organics >C12-C35	**179**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**179**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Grab Sample @ 7' (5I02011-01) Soil									
Chloride	**9.63**	5.00	mg/kg	10	EI50803	09/06/05	09/06/05	EPA 300.0	
% Moisture	**11.8**	0.1	%	1	EI50608	09/02/05	09/06/05	% calculation	

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 EI50202 - Solvent Extraction (GC)										
Blank (EI50202-BLK1)				Prepared & Analyzed: 09/02/05						
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	*46.2*		*mg/kg*	*50.0*		*92.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.0*		*"*	*50.0*		*100*	*70-130*			
LCS (EI50202-BS1)				Prepared & Analyzed: 09/02/05						
Gasoline Range Organics C6-C12	402	10.0	mg/kg wet	500		80.4	75-125			
Diesel Range Organics >C12-C35	437	10.0	"	500		87.4	75-125			
Total Hydrocarbon C6-C35	839	10.0	"	1000		83.9	75-125			
Surrogate: 1-Chlorooctane	*56.4*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.3*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (EI50202-CCV1)				Prepared: 09/02/05 Analyzed: 09/03/05						
Gasoline Range Organics C6-C12	431		mg/kg	500		86.2	80-120			
Diesel Range Organics >C12-C35	459		"	500		91.8	80-120			
Total Hydrocarbon C6-C35	890		"	1000		89.0	80-120			
Surrogate: 1-Chlorooctane	*54.9*		*"*	*50.0*		*110*	*0-200*			
Surrogate: 1-Chlorooctadecane	*45.1*		*"*	*50.0*		*90.2*	*0-200*			
Matrix Spike (EI50202-MS1)	**Source: 5I02003-01**			Prepared & Analyzed: 09/02/05						
Gasoline Range Organics C6-C12	443	10.0	mg/kg dry	538	ND	82.3	75-125			
Diesel Range Organics >C12-C35	458	10.0	"	538	ND	85.1	75-125			
Total Hydrocarbon C6-C35	901	10.0	"	1080	ND	83.4	75-125			
Surrogate: 1-Chlorooctane	*64.9*		*mg/kg*	*50.0*		*130*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.1*		*"*	*50.0*		*116*	*70-130*			
Matrix Spike Dup (EI50202-MSD1)	**Source: 5I02003-01**			Prepared & Analyzed: 09/02/05						
Gasoline Range Organics C6-C12	412	10.0	mg/kg dry	538	ND	76.6	75-125	7.25	20	
Diesel Range Organics >C12-C35	440	10.0	"	538	ND	81.8	75-125	4.01	20	
Total Hydrocarbon C6-C35	852	10.0	"	1080	ND	78.9	75-125	5.59	20	
Surrogate: 1-Chlorooctane	*64.6*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.3*		*"*	*50.0*		*117*	*70-130*			

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 EI50608 - General Preparation (Prep)										
Blank (EI50608-BLK1)				Prepared: 09/02/05 Analyzed: 09/06/05						
% Solids	100		%							
Duplicate (EI50608-DUP1)	**Source: 5I02008-01**			Prepared: 09/02/05 Analyzed: 09/06/05						
% Solids	98.7		%		98.8			0.101	20	
Batch EI50803 - Water Extraction										
Blank (EI50803-BLK1)				Prepared & Analyzed: 09/06/05						
Chloride	ND	0.500	mg/kg							
LCS (EI50803-BS1)				Prepared & Analyzed: 09/06/05						
Chloride	8.79		mg/L	10.0		87.9	80-120			
Calibration Check (EI50803-CCV1)				Prepared & Analyzed: 09/06/05						
Chloride	9.35		mg/L	10.0		93.5	80-120			
Duplicate (EI50803-DUP1)	**Source: 5I02011-01**			Prepared & Analyzed: 09/06/05						
Chloride	9.61	5.00	mg/kg		9.63			0.208	20	

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: 9-12-05

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: Vacuum Vent Ke 33
Project #:
Project Loc:
PO #:

5/10/2011

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: / CL /	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	Bottom Grab Sample @ 7'	9-1-05	10:00 AM	1	X									X			X			X												

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: 3.5°C

4oz glass on ice w/labels + seals on cooler

Relinquished by:	Date	Time	Received by:	Date	Time
				9/2	10:00
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	9/2	14:00		09-02-05	1400

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

Client: Rice Operating

Date/Time: 09-02-05 @ 1400

Order #: 5I02011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	3.5 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: 04-2747
EXP. DATE: 8-1-06
METER READING
ACCURACY: lpc

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 2-1-05
ACCURACY: ± 5%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	K-33	K	33	17S	35E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source @ 2'	1.8		
3'	2.7		
4'	0.5		
5'	1.6		
6'	0.3		
7'	1.5		

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

Signature _____ Date 5-12-05