

1R - 425-11

REPORTS

DATE:

DEC 13, 2005

Vac. Jet K-30

IR0425-11

Final Report

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	jct. K-30	K	30	17S	35E	Lea	Length	Width	Depth
							no box—System abandonment		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Pearce Trust OTHER _____

Depth to Groundwater 96 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/7/2005 Date Completed 11/23/2005 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 9/7/2005 Sample Depth 7 ft

TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 7 ft BGS	0.0	<10.0	<10.0	139

LOCATION	DEPTH (ft)	ppm
vertical delineation trench at junction	2	187
	3	121
	4	104
	5	111
	6	131
	7	182

General Description of Remedial Action:

This junction box was addressed as

part of the Vacuum SWD System abandonment. After removal of the box materials, a delineation trench was made at the former junction site using a backhoe while soil samples were collected 2-7 ft BGS. Chloride field tests were conducted on the samples and exhibited very low concentrations similar to background level. PID screenings were also performed on each sample and VOC concentrations were also considerably low. A grab sample at 7 ft BGS was analyzed at a laboratory for confirmation of field tests. TPH was not present within the lab's detection limits (<10.0 ppm), meeting NMOCD guidelines. The excavated soil was blended on site and then backfilled into the trench and contoured to the surrounded 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 Since the System is no longer active, a new junction box is not required.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 Roy Rascon SIGNATURE Roy R. Rascon COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope
DATE 12/13/2005 TITLE Project Scientist

Vacuum jct. K-30

Unit 'K', Sec. 30, R17S, R35E



undisturbed junction box

6/1/2005



box removed

7/12/2005



delineation trench before backfilling

11/21/2005



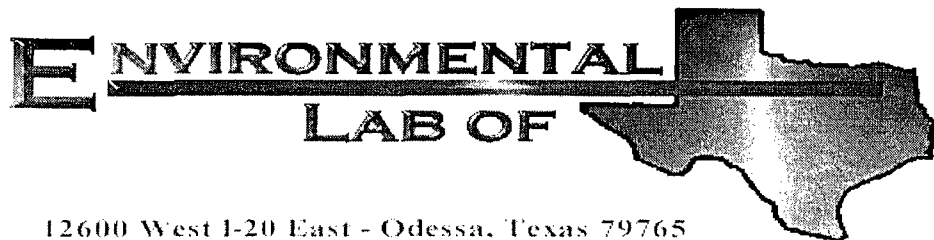
backfilling and compacting

11/21/2005



seeding

11/23/2005



12600 West 1-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

COPY

Project: Vacuum Jct. K-30
Project Number: None Given
Location: None Given

Lab Order Number: 5I09005

Report Date: 09/15/05

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

Project: Vacuum Jet. K-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/15/05 15:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Vert.@ 7'	5109005-01	Soil	09/07/05 14:48	09/09/05 07:30

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

Project: Vacuum Jct. K-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/15/05 15:47

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert.@ 7' (5I09005-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50912	09/09/05	09/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		81.8 %	70-130		"	"	"	"	

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

Project: Vacuum Jct. K-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/15/05 15:47

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vert.@ 7' (5109005-01) Soil									
Chloride	139	5.00	mg/kg	10	E151507	09/14/05	09/14/05	EPA 300.0	
% Moisture	9.9	0.1	%	1	E151214	09/09/05	09/13/05	% calculation	

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

Project: Vacuum Jct. K-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/15/05 15:47

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 EI50912 - Solvent Extraction (GC)

Blank (EI50912-BLK1)

Prepared: 09/09/05 Analyzed: 09/11/05

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	50.7		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	46.8		"	50.0		93.6	70-130			

LCS (EI50912-BS1)

Prepared: 09/09/05 Analyzed: 09/11/05

Gasoline Range Organics C6-C12	398	10.0	mg/kg wet	500		79.6	75-125			
Diesel Range Organics >C12-C35	379	10.0	"	500		75.8	75-125			
Total Hydrocarbon C6-C35	777	10.0	"	1000		77.7	75-125			
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.6	70-130			
Surrogate: 1-Chlorooctadecane	48.3		"	50.0		96.6	70-130			

Calibration Check (EI50912-CCV1)

Prepared: 09/09/05 Analyzed: 09/12/05

Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	80-120			
Diesel Range Organics >C12-C35	412		"	500		82.4	80-120			
Total Hydrocarbon C6-C35	837		"	1000		83.7	80-120			
Surrogate: 1-Chlorooctane	51.0		"	50.0		102	0-200			
Surrogate: 1-Chlorooctadecane	61.1		"	50.0		122	0-200			

Matrix Spike (EI50912-MS1)

Source: 5109001-01

Prepared: 09/09/05 Analyzed: 09/11/05

Gasoline Range Organics C6-C12	403	10.0	mg/kg dry	533	ND	75.6	75-125			
Diesel Range Organics >C12-C35	406	10.0	"	533	ND	76.2	75-125			
Total Hydrocarbon C6-C35	809	10.0	"	1070	ND	75.6	75-125			
Surrogate: 1-Chlorooctane	43.1		mg/kg	50.0		86.2	70-130			
Surrogate: 1-Chlorooctadecane	40.0		"	50.0		80.0	70-130			

Matrix Spike Dup (EI50912-MSD1)

Source: 5109001-01

Prepared: 09/09/05 Analyzed: 09/11/05

Gasoline Range Organics C6-C12	403	10.0	mg/kg dry	533	ND	75.6	75-125	0.00	20	
Diesel Range Organics >C12-C35	402	10.0	"	533	ND	75.4	75-125	0.990	20	
Total Hydrocarbon C6-C35	805	10.0	"	1070	ND	75.2	75-125	0.496	20	
Surrogate: 1-Chlorooctane	44.9		mg/kg	50.0		89.8	70-130			
Surrogate: 1-Chlorooctadecane	44.4		"	50.0		88.8	70-130			

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

Project: Vacuum Jct. K-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/15/05 15:47

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 EI51214 - General Preparation (Prep)

Blank (EI51214-BLK1) Prepared: 09/09/05 Analyzed: 09/13/05

% Solids 100 %

Duplicate (EI51214-DUP1) Source: 5108021-02 Prepared: 09/09/05 Analyzed: 09/13/05

% Solids 95.3 % 95.5 0.210 20

Duplicate (EI51214-DUP2) Source: 5109013-05 Prepared: 09/09/05 Analyzed: 09/13/05

% Solids 99.2 % 99.0 0.202 20

Duplicate (EI51214-DUP3) Source: 5109010-03 Prepared: 09/09/05 Analyzed: 09/13/05

% Solids 90.9 % 90.2 0.773 20

Batch EI51507 - Water Extraction

Blank (EI51507-BLK1) Prepared & Analyzed: 09/14/05

Chloride ND 0.500 mg/kg

LCS (EI51507-BS1) Prepared & Analyzed: 09/14/05

Chloride 8.62 mg/L 10.0 86.2 80-120

Calibration Check (EI51507-CCV1) Prepared & Analyzed: 09/14/05

Chloride 9.06 mg/L 10.0 90.6 80-120

Duplicate (EI51507-DUP1) Source: 5109001-01 Prepared & Analyzed: 09/14/05

Chloride 801 10.0 mg/kg 796 0.626 20

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

Project: Vacuum Jct. K-30
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
09/15/05 15:47

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: 9-18-05

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.

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12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Roy Rascon

vac. Jet K-30

RICE Operating

1. *Staphylococcus aureus* (S. aureus) is a Gram-positive, spherical bacterium that is commonly found on the skin and in the nasal cavity of humans and animals. It is a facultative anaerobe, meaning it can grow with or without oxygen. S. aureus is known for its ability to form a protective biofilm, which can make it difficult to treat with antibiotics. It is a common cause of skin infections, such as abscesses and boils, and can also cause more serious infections, such as pneumonia and sepsis.

122 W. Taylor

Hobbs, NM 88240

505) 393-9174

(505) 397-1471

Ray R. L. H. Scott

Special Instructions:	Relinquished by:	Date	Time	Received by:	Date	Time
	Key R. Robinson	9-7-05	1650	CD Hargrett	9/8	11:00
	Relinquished by:	Date	Time	Received by: ELIOT Prep Box	Date	Time
	CD Hargrett	9/9	7:00	Specimen returned	9-9-5	0730

Sample Containers (Infect)? ☒ N

Temperature Upon Receipt: 0.5 C

Laboratory Comments: 4oz glass jar w/ 100ml formal
sent w/ cooler

Sample Containers (Infect)? ☐ N

Temperature Upon Receipt: 0.5 C

Laboratory Comments:

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Rice Op.

Date/Time: 9/9/05 7:30

Order #: SI09005

Initials: UK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 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: 04-2747
EXP. DATE: 6-1-06
METER READING
ACCURACY: 100.0

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 2-1-06
ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
VAC	K-30	K	30	17S	35E

Vert. @ Source

ft
BGS

SAMPLE	PID RESULT	SAMPLE	PID RESULT
2'	0.0		
3'	161		
4'	0.5		
5'	0.0		
6'	0.0		
7'	0.0		

COPY

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

Ray K. Larson
Signature

9-7-05
Date