1R - 425-67

REPORTS

DATE:

8-4-08

2-1
20

Vacuum Vent F-34 Boot

1R425-67

Disclosure

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	vent F-34 boot	F	34	17S	35E	Lea	no box; system abandonment		

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

Depth to Groundwater 68 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30

Date Started 2/28/2008 Date Completed 6/8/2008 OCD Witness no

Soil Excavated 177.8 cubic yards Excavation Length 20 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 5/30/2008, 6/2/2008 **Sample Depth** 12'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	<0.010	<0.010	0.019	0.116	77.8	1610	3120
BOTTOM COMP.	<0.010	<0.010	<0.010	<0.030	<10.0	748	2320
BACKFILL	<0.010	<0.010	0.161	0.350	135	2240	1980

General Description of Remedial Action: This junction was addressed under the Vacuum SWD System abandonment. After this junction was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x20x12-ft-deep hole. Chloride field tests were performed on each sample yielding elevate chloride levels that did not relent with depth. Organic vapors were measured using a PID, which also yielded elevated levels. Representative composite samples were collected from the excavation bottom, walls, and excavated soil for laboratory confirmation of chloride, TPH, and BTEX concentrations. The excavated soil was blended on-site and returned to the excavation and contoured to the surrounding area. An identification plate was placed on the surface of the backfilled site to mark the location of the former junction for future environmental consideration. NMOCD was notified of potential groundwater impact on 7/31/2008.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, BTEX comparison table, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	2738
bottom comp.	12'	2186
backfill comp.	n/a	2153
vertical delineation trench 10 ft south of junction (source)	1'	1533
	2'	2749
	3'	2047
	4'	1842
	5'	1780
	6'	1375
	7'	1912
	8'	1049
	9'	1045
	10'	2253
	11'	2592
	12'	4720

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 8-4-08

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

Vacuum vent F-34 boot

Unit F, Section 34, T17S, R35E

undisturbed junction box, facing north 11/11/2005

20x20x12-ft excavation, facing south 6/2/2008

backfilled and completed site, facing south 6/8/2008

site marker, facing east 6/9/2008

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY R. RASCON
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

Receiving Date: 06/02/08
Reporting Date: 06/04/08
Project Owner: NOT GIVEN
Project Name: VAC VENT F-34 BOOT
Project Location: NOT GIVEN

Sampling Date: 05/30/08 & 06/02/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: CK/AB/KS

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		06/03/08	06/03/08	06/03/08
H14908-1	5PT BTTM COMP @ 12'BGS	<10.0	748	2,320
H14908-2	4 WALL COMP @ 20X20X12	77.8	1,610	3,120
H14908-3	5PT BLENDED BACKFILL	135	2,240	1,980
Quality Control		522	420	500
True Value QC		500	500	500
% Recovery		104	84.0	100
Relative Percent Difference		<0.1	3.4	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl^-: Std. Methods 4500-Cl^-B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

06/04/08
Date

H14908A RICE

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 06/02/08
Reporting Date: 06/04/08
Project Owner: NOT GIVEN
Project Name: VAC VENT F-34 BOOT
Project Location: NOT GIVEN

Sampling Date: 05/30/08 & 06/02/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		06/03/08	06/03/08	06/03/08	06/03/08
H14908-1	5 PT BTTM COMP @ 12' BGS	<0.010	<0.010	<0.010	<0.030
H14908-2	4 WALL COMP @ 20X20X12	<0.010	<0.010	0.019	0.116
H14908-3	5 PT BLENDED BACKFILL	<0.010	<0.010	0.161	0.350
H14908-4	COMP N,S,E,W WALL @ 10'	<0.010	<0.010	0.024	0.165
Quality Control		0.049	0.051	0.055	0.165
True Value QC		0.050	0.050	0.050	0.150
% Recovery		97.5	101	111	110
Relative Percent Difference		1.6	3.7	1.7	0.9

METHOD: EPA SW-846 8260B

Chemist

06/04/08
Date

H14908B RICE

CARDINAL LABORATORIES

COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(325) 673-7001 FAX (325)673-7020 (505) 393-2326 FAX (505) 393-2476

Company Name: RICE OPERATING CO.	BILL TO
Project Manager: ROY R. RASCON	P.O. #:
Address: 122 WEST TAYLOR	Company:
City: HOBBS State: NM Zip: 88240	Attn:
Phone #: (505) 393-9174 Fax #: (505) 397-1471	Address:
Project #: Project Owner:	City:
Project Name: VAC VENT F-34 BOOT	State: Zip:
Project Location:	Phone #:
Sampler Name: ROY R. RASCON	Fax #:

FOR LAB USE ONLY LAB ID #	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	PRESERV: OTHER :	ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015 M	CL-	BTEX
H14908-1	5pt bttm comp @ 12'bgs	C	1			X					X		5/30/2008	1415	X	X	X
-2	4 wall comp @ 20X20X12	C	1			X					X		5/30/2008	1530	X	X	X
-3	5pt blended backfill	C	1			X					X		6/2/2008	1500	X	X	X
-4	N WALL COMP @ 10'	C	1			X					X		5/30/2008	1430			
-4	S WALL COMP @ 10'	C	1			X					X		5/30/2008	1500			
-4	E WALL COMP @ 10'	C	1			X					X		5/30/2008	1445			
-4	W WALL COMP @ 10'	C	1			X					X		5/30/2008	1515			

COMPOSITE SAMPLES N,S,E,W WALL COMP @ 10' IN LAB AND RUN BTEX ONLY. BTEX STUDY

Relinquished By: Ray R Rascon	Date: 6-2-08 Time: 1610	Received By:	Phone Result: Yes No Add'l Phone #:
Relinquished By:	Date: 6-2-08 Time: 16:10	Received By: Cathy Keene	Fax Result: Yes No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: Yes No Intact: Yes No	CHECKED BY: (Initials) Cole	

REMARKS: PLEASE E-MAIL TO jpurvis & rrascon@riceswd.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System:	Vacuum	Date:	5/30/2008	Laboratory:	Cardinal Laboratories
Site:	vent F-34 boot	Sampler:	Roy Rascon		

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
4-WALL COMPOSITE from 20x20x12	NORTH wall	986	<0.010	<0.010	0.019	0.116
	SOUTH wall	729				
	EAST wall	32.4				
	WEST wall	674				
			LAB COMPOSITE (mg/kg)			
			<0.010	<0.010	0.024	0.165

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

Vacuum vent F-34 boot

unit 'F', Sec. 34, T17S, R35E

Backhoe samples at 10 ft south of the junction (source)

Depth bgs (ft)	[Cl-] ppm
1	1533
2	2749
3	2047
4	1842
5	1780
6	1375
7	1912
8	1049
9	1045
10	2253
11	2592
12	4720

Groundwater = 68 ft