

1R - 425-62

REPORTS

DATE:

9-25-08

#15

Vacuum Jet L-34

1R423-62

RECEIVED

MAR 25 1966

Environmental Bureau
Oil Conservation Division

DISCLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

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

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

Depth to Groundwater 83 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30*

Date Started 4/3/2008 Date Completed 4/22/2008 OCD Witness no

Soil Excavated 142 cubic yards Excavation Length 20 Width 16 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 4/4/2008 Sample Depth 12 ft

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	0.218	2.11	423	8530	800
BOTTOM COMP.	<0.020	0.026	0.066	1.90	555	8660	368
BACKFILL COMP.	<0.010	<0.010	0.014	0.398	156	5960	464

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 20x16x12-ft-deep hole. Chloride field tests were performed on each sample, which yielded chloride levels that did not sufficiently relent with depth. Organic vapors were measured using a PID, which yielded elevated concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride, TPH, and BTEX. The excavated soil was blended on-site and returned to the excavation. Clean caliche was imported and used to fill the excavation to ground surface and to contour 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 ground water impact on 9/23/2008.

*Water well located 407 ft west-southwest of site.

ADDITIONAL EVALUATION IS HIGH PRIORITY

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

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	813
bottom comp.	12'	714
backfill comp.	n/a	455
vertical delineation trench at 5 ft west of the junction (source)	4'	248
	5'	260
	6'	229
	7'	235
	8'	220
	9'	255
	10'	365
	11'	387
	12'	418

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 9-25-08

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

Vacuum vent L-34

Unit L, Section 34, T17S, R35E



20x16x12-ft-deep excavation, facing east

4/3/2008



backfilling the excavation, facing east

4/18/2008



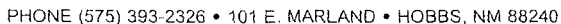
site complete, facing west

4/22/2008



site marker, facing south

4/22/2008



COPY

Sampling Date: 04/04/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/HM

*Analyses performed on 1:4 w:v aqueous extracts.

RICE OPERATING
HOBBS, NM

Date _____

H14582TCL RICE

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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

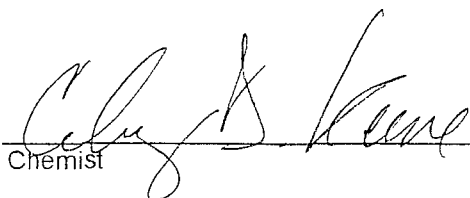
COPY

Receiving Date: 04/07/08
Reporting Date: 04/09/08
Project Owner: NOT GIVEN
Project Name: VAC. VENT L-34
Project Location: NOT GIVEN

Sampling Date: 04/04/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		04/08/08	04/08/08	04/08/08	04/08/08
H14582-1	5 PT BTTM COMP @ 12'BGS	<0.020	0.026	0.066	1.90
H14582-2	4 WALL COMP @	<0.010	<0.010	0.218	2.11
H14582-3	BLENDED BACKFILL	<0.010	<0.010	0.014	0.398
H14582-4-8	COMPOSITE OF SP #1 THRU #5	<0.010	0.018	0.102	1.24
Quality Control		0.094	0.104	0.104	0.327
True Value QC		0.100	0.100	0.100	0.300
% Recovery		94.5	104	104	109
Relative Percent Difference		4.7	4.3	4.6	5.0

METHOD: EPA SW-846 8260B


Chemist

04/10/08
Date

H14582B RICE

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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

COPY

Receiving Date: 04/07/08
Reporting Date: 04/09/08
Project Owner: NOT GIVEN
Project Name: VAC. VENT L-34
Project Location: NOT GIVEN

Sampling Date: 04/04/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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ANALYSIS DATE	04/09/08	04/09/08	04/09/08	04/09/08
H14583-1-4 COMPOSITE N,S,E,W WALLS	<0.010	<0.010	0.089	1.08
Quality Control	0.091	0.100	0.096	0.293
True Value QC	0.100	0.100	0.100	0.300
% Recovery	91.3	100	96.2	97.7
Relative Percent Difference	3.4	3.9	7.8	11.0

METHOD: EPA SW-846 8260B

Cheryl Kaine
Chemist

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APR 14 2008

04/11/08
Date

H14583B RICE

RICE OPERATING
HOBBS, NM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

202

CARDINAL LABORATORIES

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[illegible]

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RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK.	
MODEL	X
NO.	

MODEL: PGM 7600

SERIAL NO: 110-013676

MODEL: PGM 7600

SERIAL NO: 110-013744

MODEL: PGM 7600

SERIAL NO: 110-012383

MODEL: PGM 7600

SERIAL NO: 110-012920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	VENT L-34	L	34	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
N WALL COMP	145		
S WALL COMP	384		
E WALL COMP	175		
W WALL COMP	653		
4-WALL COMP	106		
5PT BTM COMP	351		
BLENDED BACKFILL	193		

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

SIGNATURE:

DATE: 4-4-08

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Vacuum
Site: vent L-34

Date: 4/4/2008
Sampler: Roy Rascon

Laboratory: Cardinal
Laboratories

Location	PID reading (ppm)	FIELD COMPOSITE (mg/kg)		
		Benzene	Toluene	Ethyl Benzene Total Xylenes
bottom composite at 12 ft BGS	351	<0.020	0.026	0.066 1.9
		LAB COMPOSITE (mg/kg)		
		<0.010	0.018	0.102 1.24

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)

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Vacuum
Site: vent L-34

Date: 4/4/2008
Sampler: Roy Rascon
Laboratory: Cardinal Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
4-WALL COMPOSITE from 20x16x12 ft	NORTH wall	145	<0.010	<0.010	0.218	2.11
	SOUTH wall	384				
	EAST wall	106				
	WEST wall	193				
			LAB COMPOSITE (mg/kg)			
			<0.010	<0.010	0.089	1.08

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 L-34

Unit 'L', Sec. 34, T17S, R35E

Backhoe samples at 5 ft west of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
4	248
5	260
6	229
7	235
8	220
9	255
10	365
11	387
12	418

Groundwater = 83 ft

