1R - 425 - 62

REPORTS

DATE:



Vacuum Jct L-34

.

18425-62

EE 15°

RECEIVED

MAF: 2.5 1996 Environmental Bulgac Oil Conservation Division

IDISCLOSURE

•

Ι,

RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE* REPORT

				BOX LOCA	TION					
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX D	MENSIONS	S - FEET	
			0.4	470	0.55		Length	Width	Dep	th
Vacuum	vent L-34	L	34	17S	35E	Lea	no box; s	system abar	ndonment	
	BLM	STATE X	FEE LAI	NDOWNER			OTHER			
Depth to Grou	ndwater	83	feet	NMOCE	SITE ASS	ESSMENT	RANKING S	CORE:	30*	
Date Started	4/3/2	2008	Date Cor	mpleted	4/22/2008		Vitness	n	<u> </u>	
Soil Excavated	142	cubic yai	rds Exc	avation Le	ngth <u>20</u>	Width	16	Depth	12	_feet
Soil Disposed	0	cubic ya	ds Off	site Facility	n	/a	Location		<u>n/a</u>	<u> </u>
NAL ANALYT	ICAL RE	SULTS:	Samp	le Date	4/4/2008	3	Sample De	oth	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.

F

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
	4'	248
	5'	260
vertical	6'	229
delineation trench at 5 ft	7'	235
west of the junction (source)	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

			OWLEDGE /		Г.		
SITE SUPERVISOR	Roy Rascon	SIGNATURE	r	not available		COMPANY	RICE OPERATING COMPANY
REPORT ASSEMBLED BY	Katie Jones		KJ				
PROJECT LEADER	Larry Bruce Baker Jr.		Larry	Bruce	Bater fr,	DATE_	9-25-08

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



Unit L, Section 34, T17S, R35E



backfilling the excavation, facing east

4/18/2008





4/22/2008



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/HM

	GRO	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	· (mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS [DATE	04/08/08	04/08/08	04/07/08
H14582-1	5 PT BTTM COMP @ 12'BGS	555	8,660	368
H14582-2	4 WALL COMP @	423	8,530	800
H14582-3	BLENDED BACKFILL	156	5,960	464
Quality Cart				100
Quality Cont		390	571	490
True Value C	2C	500	500	500
% Recovery		78.0	114	98.0
Relative Per	cent Difference	7.5	3.2	<0.1

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



APR 14 2008

RICE OPERATING HOBBS, NM

Chemist Chemist

H14582TCL RICE

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirly (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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



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

				ETHYL	TOTAL
		BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBEF	R SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					·
ANALYSIS DA	ATE	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
			<u></u>		
Quality Contro		0.094	0.104	0.104	0.327
True Value Q0	<u> </u>	0.100	0.100	0.100	0.300
% Recovery		94.5	104	104	109
Relative Perce	ent Difference	4.7	4.3	4.6	5.0

METHOD: EPA SW-846 8260B

H14582B RICE

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages. including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

	(RD)
1	ž
And and a series	7
	P



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Ą

	(325) 673-7001 FAX (325)673-7020 ((20 (20	5) 39	(505) 393-2326	126 F	15) 393-2326 FAX (505) 393-2476	(505) 393-2476	393.	-247(5700 9							\sim	092					
Company Name:	Company Name: RICE OPERATING CO.			[BILLTO					ANA	ANALYSIS REQUEST	REQU	EST				ł
Project Manager:	Project Manager: ROY R. RASCON							P.O.	0. #:	·.					┝	┝	L				┢	F	
Address: 122 WEST TAYLOR	ST TAYLOR							Col	Company	ny:													
City: HOBBS	State: NM	Zi	Zip: 88240	3240				Attn:	ä														
Phone #: (505) 393-9174	3-9174 Fax #: (505) 397-1471	397-14	171					Ρq	Address														
Project #:	Project Owner:	er:						City:					B										
Project Name:	VAC VENT L-34							State:	te:		Zip:										<u> </u>		
Project Location:								Phé	Phone #:								<u>.</u>					<u>.</u>	
Sampler Name: R	ROY R. RASCON							Fax #:	:#:			-											
		ď		Щ	MATR		⊻		PRE	PRESERV		SAMPLING	8										
FOR LAB USE ONLY LAB ID #	SAMPLE I.D.	(G)KAB OR (C)OM	# CONTAINERS	BROUNDWATER	ASTEWATER		ILUDGE DIL)THER	CID/BV2E:	CE \ COOF	D D D D D D D D D D D D D D D D D D D	TIME	M 2108 H41	3LEX DF-	VIII								
H1452-1	5pt bitim comp @ 12'bgs) <u> </u>		-	-	_	<u> </u>		_			_		╉┈		-	_						
(1) 1	4 wall comp @	U				×				×	4/4/2008	1115	×	<u> </u>	×		-						
, 6)	blended backfill	U				×	-			×	4/4/2008	1130	×	-	×			-			1	+-	
5	SP #1 BTTM @ 12'BGS	U				×				×	4/4/2008	850	States.										
ŝ	SP #2 BTTM @ 12'BGS	U				х				Х	4/4/2008	0835	and the second	•									
<i>a</i>] -	SP #3 BTTM @ 12'BGS	U	_			X			- i i	×	4/4/2008	0830	972618.	C		SC	JTISOGMOT	U U	NI 3# HOLL I# dS			1 34	1
C -	SP #4 BTTM @ 12'BGS	U				Х				Х	4/4/2008	0845				5	গ্ৰ মৰ্ অৰ্	2	1 1			ヨワ	7
30	SP #5 BTTM @ 12'BGS	5				Х				×	4/4/2008	0840	No.		A B	LAB AND		NON		BTEX	0	VINO	
		+				+								_									
PLEASE NOTE: analyses. All claims	PLEASE NOTE: Ltability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause what be deemed waived unless made in writing and received by Cardinal writing 30 days after completion of the amplicable	v and c	Shent ause	US EX	clusiv	ve rer. er sha	ul be	for a deen	nv cl	aim a vaive	trising wheth d unless mad	ter based in d de in writing	contract of and received	tort. shi /ed bv C	all be li ardinal	mited to within	o the arr 30 days	ount pa after co	id by the	client fo	r the mulical	- le	
service. Jn no event affiliates or success Relinguished R	service. In no event shall Cardinal be liable for incidental or consequental damages, ir affiliates or successors arising out of or related to the performance of services hereund Refinance on By.	consec lance c	auent DE set	tal da tvice	mage here	es. in: sunde	ncludir ler bv (ng wi	thou	t limi regar	tation. busin dless of whe	ie without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsid Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	ions, loss um is base	of use, o	r loss c any of	f profit the abo	s incurr	ed by cli reason	ent. its su s or other	ıbsidiari wise	CS.		
	Ribcon	So L	ecen	ved 8		Ç	\mathcal{F}	R	7	V		Phone Result: Fax Result:	sult: It: X	Yes	00 N N		Add'l Phone # Add'l Fax #:	1e #: #:					
ied By:	Date:	Ň	eceiv	Received BY:		7	3	111	Ź			, 		÷									
	Time:	1											R	MAR	KS:	PLE/	ASE E	-MA	REMARKS: PLEASE E-MAIL TO jpurvis &	jpurv	is &		
Delivered By: (Circle One) Sampler - UPS - Bus - Oth	(Circle One) - Bus - Other:				Cool In Cool In	le C	Condition	ion 🕑		HEC //	CHECKED BY: (Initials)				E	ascol	rrascon@riceswd.com	eswd.	com	•			
					:		ž	10	5	いい	20												

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



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



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

<i>,</i>			ETHYL	TOTAL
,	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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

APR 14 2008

4/11/02

H14583B RICE

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

RICE OPERATING

HOBBS, NM

le			\bigcirc		7 CHA)-10-NI	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	EQUEST	
4RL			bs, NM 88240					ç	
Company Name:	26 (202) 020/-2/0(225) XAX 1010 FAX (325)/0/2/ 020 (205) 25 (200) 020 (200)	(505) 393-2326 FAX (505) 393-2476	393-2476 BIBL TO	10)			A UT ANALYSIS REOUEST	2	
Project Manager:	Project Manager: ROY R. RASCON		P.O. #:			╞			Т
Address: 122 WEST TAYLOR	ST TAYLOR		Company:						
City: HOBBS	State: NM Zip: 88240	240	Attn:						_
Phone #: (505) 393-9174	3-9174 Fax #: (505) 397-1471		Address:						
Project #:	Project Owner:		City:	والمتعادية					
Project Name:	VAC VENT L-34		State: Zip:						
Project Location:			Phone #:						
Sampler Name: ROY R. RASCON	toy R. RASCON		Fax #:			<u></u>			
	[[<u></u>].	MATRIX	PRESERV SA	SAMPLING	,				
FOR LAB USE ONLY	TINERS DB (C)OW SAMPLE LD				W S				
.LAB ID #	¥ CONTA (G)RAB C	SLUDGE Off Soil Wastew Ground	DATER : DATER : CCE / COO OTHER :	TIME	2108 HAT	BLEX CF-			
HI4583-1	N WALL COMP	X	×	008 1000	ESTA-S				T
2-	S WALL COMP C	X	X 4/4/2008	008 1030	C. C	Ç	COMPOSITE SAMPLES N S F W	DIFCNSEW	
Ú.	E WALL COMP C	X	X 4/4/2008	008 1100				PAR OLEGOLOPIA CONTRACT AND A CONTRACT	
	W WALL COMP C	X	X 4/4/2008	008 0935	- Carlor			AB AND KUN	
					No. of Concern	-	BTEX ON	ONLY	1
									T
PLEASE NOTE: analyses. All claims service. In no event affiliates or success	PLASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort. shall be limited to the amount bail by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable structures. In one went shall be limited to the amount bail by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable structures in no event shall be limited to the amount business interruptions. Joss of use, or loss of notifis incurred by client, its subsidiaries.	s exclusive remedy i whatsoever shall be al damages, includin	or any claim arising w deemed waived unless g without limitation. bu	hether based in c made in writing isiness interrupt	ontract or and recei- ons, loss	tort. sha ved by Ca of use, or	l be limited to the amount paid by dinal within 30 days after comple oss of profits incurred by client, i	the client for the etion of the applicable its subsidiaries.	7
Relinquished By:	Date: $D_{ate:} = \frac{D_{ate:}}{c^2 - 7 - 0} $ Receiv	ed By:	J. J. I I I I I I I I I I I I I I I I I	Whether Sich clain Phone Result- Fax Result-	im is based sult: t· X	sd upon a Yes Vec	V 01 the above stated reasons or C No Add'I Phone #: No Add'I Fay #:	ofherwise.	
Relinquished By:	Wet S CON Time: 755 May	du to the	But					John 13	1
	Time:	2			RF	MAR	REMARKS: PLEASE E-MAIL TO jpurvis &	rO jpurvis &	
Delivered By: (Circle One) Sampler - UPS - Bus - Otl	(Circle One) - Bus - Other:	Con Con	ion CHECKED BY	N:			rrascon@riceswd.com	а	
		. No . No	11011						-

•

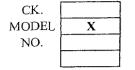
.

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

•

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240 PHONE: (505) 393-9174 FAX: (505) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM



 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



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 BTTM COMP	351		
BLENDED BACKFILL	193	····	
	· · · ·	W- 1/4-7	
		an a	

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)

Vacuum	vent L-34
System:	Site:

Date: Sampler:

4/4/2008 Roy Rascon

Laboratory:

Cardinal Laboratories

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 composite components are collected in a skewed 'W' pattern.

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

Vacuum	vent L-34
System:	Site:

4/4/2008 Roy Rascon

Date: Sampler:

Laboratory: C

Cardinal Laboratories

		r					 	_
(Total Xylenes		Ċ	7.11			1.08	
ITE (mg/kg)	Ethyl Benzene		9100	0.218		FE (mg/kg)	0.089	
FIELD COMPOSITE	Toluene			~0.010		LAB COMPOSITE	<0.010	
	Benzene		010 0/	010.0~			<0.010	
PID reading	(mqq)	145	384	106	193			
Component		NORTH wall	SOUTH wall	EAST wall	WEST wall			
Incation	LUCAHOII	4-WALL	COMPOSITE	from	20x16x12 ft			

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 composite components are collected in a skewed 'W' pattern.

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

Vacuum vent L-34

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

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

[CI] ppm	248	260	229	235	220	255	365	387	418
Depth bgs (ft)	4	5	9	2	8	6	10	11	12



