1R-426-8/

REPORTS

DATE:

2/15/2001

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX D	IMENSIONS	- FEET
BD	Zia St BJ EOL	P	17	228	37E	LEA	Length 8	Width 4	Depth 4
LAND TYPE:	BLM	STATE	X FEE LA	NDOWNER			OTHER		
Depth to Grou	<u> </u>								
Date Started	02/15	/2001	Date Co	mpleted	02/15/2001	OCD	Witness	N	10
Soil Excavated	5	cubic ya	rds Ex	cavation Le	ength 8	Width	4	Depth	fe
Soil Disposed	0	cubic ya	rds Of	fsite Facility	·		Location		
INAL ANALY	Procure 5-poi	int composit	e sample of poratory test	bottom and	d 4-point com	posite samping an appro	ole of sidewa	alls. TPH,	4'
Sample Location	Benzene	E .	uene E	thyl Benzene	Total Xylen	es Gi	RO	DRO malka	Chlorides
SIDEWALLS	mg/kg 0.006		g/kg 016	mg/kg 0.005	mg/kg <0.015		1/kg 50	mg/kg <50	mg/kg 141
BOTTOM	<0.005		017	<0.005	<0.015	<	50	<50	63
eneral Descriptio							CHLO	RIDE FIELD	TESTS
							OCATION	DEPTH	l mg/kg
						L(OCATION DEWALLS	DEPTH	mg/kg
						L(OCATION	DEPTH	l mg/kg
						L(OCATION DEWALLS	DEPTH	mg/kg
						L(OCATION DEWALLS	DEPTH	mg/kg
						L(OCATION DEWALLS	DEPTH	mg/kg
						L(OCATION DEWALLS	DEPTH	mg/kg
MOCD guidelines. I	nstalled compa	cted clay lines	and water tight	TION ABO\		L(SI	OCATION DEWALLS BOTTOM	DEPTH 2' 4'	1 mg/kg 130 70
MOCD guidelines. I	nstalled compa	cted clay lines	and water tight	TION ABOV	and backfilled	AND COMF	DEWALLS BOTTOM PLETE TO T	DEPTH 2' 4'	1 mg/kg 130 70



PHONE (915) 873-7001 · 2111 BEECHWOOD · ABILENE, TX 79803

PHONE (505) 383-2326 - 101 E. MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: JAMES STURGILL 122 W. TAYLOR HOBBS, NM 88240 FAX TO:

Receiving Date: 02/15/01

Reporting Date: 02/19/01

Project Number: ZIA STATE BJ

Project Name: STATE BJ SIDES AND BOTTOM

Project Location: UP-SEC17-T22S-R37E

Sampling Date: 02/15/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC/AH

LAB NUMBER SAM	APLE ID	GRO. (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		02/15/01	02/15/01	02/16/01
H5617-1 ZIA	STATE BJ-SIDES	<50	<50	141
H5617-2 ZIA	STATE BJ-BOTTOM	<50	<50	63
Quality Control		728	778	1051
True Value QC		800.	800	1.000
% Recovery		91.0	97.3	105
Relative Percent Di	ference	2.3	2.5	6.8

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

Chemist Chemist

Date

PLEASENCE: A part of the amount paid by client for analyses.

All claims, including those for negligence and any other cause whatever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after complemen of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation. Dustness 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 appreciated reasons or otherwise.



PHONE (915) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: JAMES STURGILL 122 W. TAYLOR HOBBS, NM 88240 FAX TO:

Receiving Date: 02/15/01 Reporting Date: 02/19/01

Project Number: ZIA STATE BJ

Project Name: STATE BJ SIDES AND BOTTOM

Project Location: UP-SEC17-T22S-R37E

Sampling Date: 02/15/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE	02/15/01	02/15/01	02/15/01	02/15/01
H5617-1	ZIA STATE BJ-SIDES	0.006	0.016	0.005	<0.015
H5617-2	ZIA STATE BJ-BOTTOM	<0.005	0.017	<0.005	<0.015
Quality Con	troi	0.097	0.097	0.101	0.302
True Value	QC	0.100	0.100	0.100	0.300
% Recovery	<u> </u>	97.3	97.3	101	101
Relative Pe	rcent Difference	1.1	3.3	0.1	<0.1

METHOD: EPA SW-846 8260

Chemist

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients 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 whatevever 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, affiltstes 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.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7

* ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020

30 days peed due at the rate of 24% per arrum from the original date of invairs, and all costs of collections, including attament's fees. ANALYSIS REQUEST Page 7 510g 7 7 TIME SAMPLING BILL TO DATE Company: RICE Złp: (505) 393-2326 Fax (505) 393-2476 PRESERV. : ABHTO ICE / COOF Address: Phone #: P.O. # State: Fax #: Attn: ACID/BASE CIty: : R3HTO arnoes כצחםב סור d Bottom 88240 POIL 3 2 E **MASTEWATER ВЕТАМОИ**ПОЯБ 6 State: IV JM ZIp: Sides AN .4MO(3) RO 8AR(8) 1 / 2 25 K DERHT. NG in State 81 Project Owner: Sturg: -Sides AI-Botton . Cardinal's lability and chosts and salve remedy for 10//01 393-917/Fax# BH Sample I.D. James 1226 57ATE 8-1 AMES P-Sec Mec Z:AStrte Zim State Hobb 5 LEASE NOTE: Liebilly and During Project Location: Project Manager: Company Name: Sampler Name: 7 Project Name: FOR LAB USE ONLY 45617-1 Lab I.D. Project #: Phone #(Address: City:

made in writing and received by Cardinal within 30 days wher completion of the applicable have hearnptons, less of use, or less of profits incursed by client, its achelchades, enskoe. Al dekra induling bose he noglepnos and any other cause whatcome shall be doesned waived assess made he sorks. In revert shall Cardinal be lathe for incidental or consequental desenges, including without instating, business them Lette or excessors where or amplify amplify Relinquis

Add'I Phone #:

% □ □

0 Yes □ Yes Phone Result: Fax Resur: Remarks: CHECKED BY: Received By: (Lab Shaff) Received By: Jate: 2-15-01 Date: 1/20 Delivered By: (Circle One) Refinquished By

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393.2476.

(Initials)

Cool Intact

Xfee Xfee

No No

Sampley - UPS - Bus - Other:

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

CIMP CVCTEM!									
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length	IMENSIONS Width	Depth
BD	Zia St BJ EOL	P	17	22\$	37E	LEA	8	4	4
LAND TYPE: B	LM	STATE	X FEE L	ANDOWNER			OTHER		······································
Depth to Groun	ndwater	64-72	feet	NMOC	D SITE ASSI	ESSMENT	RANKING S	CORE:	10
Date Started	02/15	/2001	Date C	ompleted	02/15/2001	OCD	Witness	1	10
Soil Excavated	5	cubic ya	rds E	xcavation L	ength 8	Width	4	Depth	fee
Soil Disposed_	0	cubic ya	rds (Offsite Facility	<i></i>		Location		
NAL ANALY	TICAL F	RESULT	S: Samj	ole Date	02/15/2	001	Sample De	pth	4'
			poratory tes	of bottom and st results con as pursuant to	rpleted by us	ing an appro			
Sample	Benzene	Tol	•	Ethyl Benzene			RO	DRO	Chlorides
Location	mg/kg		g/kg	mg/kg	mg/kg		₃ /kg	mg/kg	mg/kg
SIDEWALLS	0.006		016	0.005	<0.015		50	<50	141
BOTTOM	<0.005	0.	017	<0.005	<0.015	<	50	<50	63
neral Description	n of Remedi	al Action:	Delineated	vertical and late	eral extent to be	low	CHLO	RIDE FIELD	TESTS
•							CHLOF	RIDE FIELD	
•								DEPTI	
•						L. SI	OCATION	DEPTI	H mg/kg
•						L. SI	OCATION DEWALLS	DEPTI	1 mg/kg
•						L. SI	OCATION DEWALLS	DEPTI	1 mg/kg
•						L. SI	OCATION DEWALLS	DEPTI	1 mg/kg
·						L. SI	OCATION DEWALLS	DEPTI	1 mg/kg
•						L. SI	OCATION DEWALLS	DEPTI	1 mg/kg
OCD guidelines. In	istalled compa	acted clay line	INFORM		/E IS TRUE	SI SI AND COMF	OCATION DEWALLS BOTTOM	DEPTH 2' 5'	H mg/kg 130 70
neral Description OCD guidelines. In I HEREB	Y CERTIFY	acted clay line	INFORM	ATION ABOY	/E IS TRUE	AND COMP	OCATION DEWALLS BOTTOM	DEPTH 2' 5'	H mg/kg 130 70



PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 - 101 E. MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: JAMES STURGILL 122 W. TAYLOR **HOBBS, NM 88240** FAX TO:

Receiving Date: 02/15/01

Reporting Date: 02/19/01

Project Number: ZIA STATE BJ Project Name: STATE BJ SIDES AND BOTTOM

Project Location: UP-SEC17-T22S-R37E

Sampling Date: 02/15/01 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP Analyzed By: BC/AH

GRO. DRO (C₆-C₁₀) (>C₁₀-C₂₈) LAB NUMBER SAMPLE ID (mg/Kg) (mg/Kg) (mg/Kg)

ANALYSIS	DATE	02/15/01	02/15/01	02/16/01
H5617-1	ZIA STATE BJ-SIDES	<50	<50	141
H5617-2	ZIA STATE BJ-BOTTOM	<50	<50	63
Quality Con	trol	728	778	1051
True Value	QC	800	800	1000
% Recovery	(91.0	97.3	105
Relative Per	rcent Difference	2.3	2.5	6.8

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

PLEASENCE: Usbling 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 walved 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.



PHONE (915) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: JAMES STURGILL 122 W. TAYLOR HOBBS, NM 88240 FAX TO:

Receiving Date: 02/15/01 Reporting Date: 02/19/01

Project Number: ZIA STATE BJ

Project Name: STATE BJ SIDES AND BOTTOM

5053932476

Project Location: UP-SEC17-T22S-R37E

Sampling Date: 02/15/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE	02/15/01	02/15/01	02/15/01	02/15/01
H5617-1	ZIA STATE BJ-SIDES	0.006	0.016	0.005	<0.015
H5617-2	ZIA STATE BJ-BOTTOM	<0.005	0.017	<0.005	<0.015
Quality Cor		0.097	0.097	0.101	0.302
True Value		0.100	0.100	0.100	0.300
% Recover		97.3	97.3	101	101
Relative Pe	rcent Difference	1.1	3.3	0.1	<0.1

METHOD: EPA SW-846 8260

Date

PLEASENOTE: 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 withing and received by Cardinal within thiny (30) days after complation 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 successore 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.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476 & ARDINAL LABORATORIES, INC.

		Received By: (Lab Shaff)	Date:	Refinquished By:
LI Yes LI NO Add'i Fax#:	REMARKS:		٠ <	
☐ Yes ☐ No	Phone Result:	Received By:	shed: // Date:	ampler Relinquis
	demptions, loss of use, or loss of profits incurred by clerk, its substitutes, are such cleim is based upon any of the above stated resears as offerwise.	frout Imitation, business interruptions, loss of use, or loss dimit, regardless of whether such datm is based upon at	serion. In no event shall Cardinal be labis for incidental or consequental dempes, Incidental without initiation, basiness trientational, has of use, or best of profits incurred by clerk, its achadraties at Manthe and definite based upon any of the above stated resons at offershap.	vice. In no event shall Cardin lates or successors arising ox
Terms and Conditions; transet will be charged as all accounts more than	ed in contract or bot, afted be limited to the amount paid by the claim for the Investment procedure to Confine Latter 30 April 1985 and 1		PLEASE NOTE: Liability and Demagne, Cardinal's liability and clerit's exclusive remody for any clein arising whether bes analyses. At claims including those for negligance and any other cause whatsoews shall be deemed walvad unlass made	SABE NOTE: Liability and D. yeae. All chaims including the
7)		LIA STATE BY - 80110M	4
7	02/15	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	State	+
· 5108 J318	OTHER:	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL CRUDE OIL CRUDE OIL SLUDGE ACIDIGE ACIDIGES ACIDICAL ACIDIGES ACIDICAL ACIDIGES ACIDIGES ACIDICAL	Sample I.D.	
	PRESERV. SAMPLING	MATRIX		FOR LAB USE ONLY
		Fax#:	JAMES STURA:4	Sampler Name:
		FA 37 E Phone #:	Project Location: UP - Sec 17 - TARSA	oject Location:
	Zlp:	4 Nd Bottom States:	57ATE 83 5:403 AND	Project Name:
		: Cfty:	Zik State 81 Project Owner.	Project #: 7
	88:	1	717 Fax #.	Phone #(50s)
		Zip: 88240 Attn:	State: // ///	Clty:
	Company: RICE		123 W TAYlor	Address:
	مد	#.0.#		Project Manager:
ANALYSIS REQUEST	O.L 7718	19 CO.	THE OR	Company Name:

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

CHECKED BY: (Initials)

Sample Condition
Cool Intact
MYes MYes

Date: 25/201

Delivered By: (Circle One) Sampley - UPS - Bus - Other: