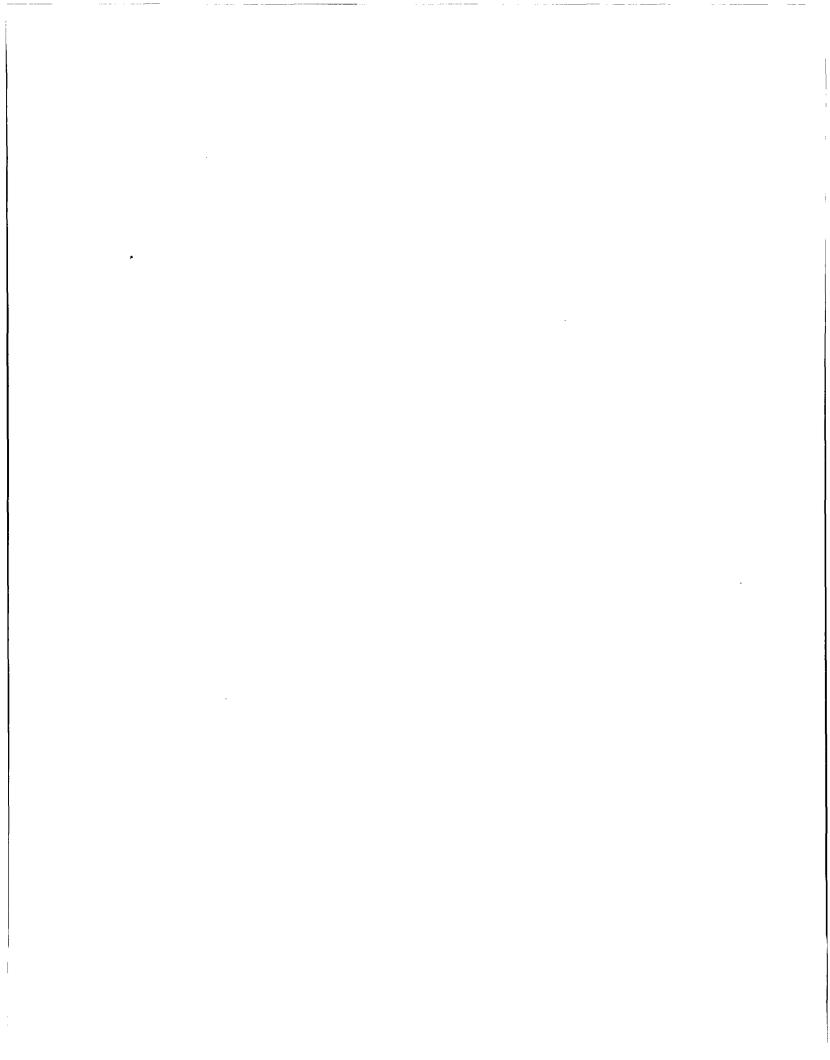


# REPORTS

# DATE:

11-29-2001



427-19

### RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

1

	-			BOX LOC					
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY		DIMENSIONS	
EME	K-36	к	36	205	36E	LEA	Length 7	Width 7	Depth 4
LAND TYPE:	BLM	STATE	X FEE L					R	
Depth to Gro	undwater	115	feet	NMOCE	) SITE ASSI	ESSMENT F	ANKING S		0
Date Starte	d11/07	7/2001	Date Co	mpleted	11/07/2001		Vitness	N	0
Soil Excavate	d0_	cubic ya	rds Ex	cavation Le	ngth <u>10</u>	Width	10	Depth	fe
Soil Dispose	d	cubic ya	rds O	ffsite Facility	<u></u>	<u> </u>	Location		
INAL ANAL	Procure 5-po	int composit Chloride lab	e sample of	f bottom and results comp	4-point com pleted by usi	posite sampling an approv	le of sidewa	alis. TPH,	4'
Querra la	1 0			pursuant to	· · · · · · · · · · · · · · · · · · ·			000	Oblasidas
Sample Location	Benzene mg/kg	-	Jene E /kg	thyl Benzene mg/kg	Total Xylene mg/kg	ns GR mg/l		DRO mg/kg	Chlorides mg/kg
		the second s							272
SIDEWALLS	< 0.005		005	< 0.005	< 0.015	<5		<50	
BOTTOM	< 0.005	0.0	006	0.034	0.045	<5	0	269	704
BOTTOM eneral Description	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	nant	0		704
BOTTOM eneral Description	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	nant LO	CHLOF	269 RIDE FIELD	704 TESTS
BOTTOM eneral Description	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	<5 nant LO SID	CHLOF	269 RIDE FIELD	704 TESTS mg/kg
BOTTOM eneral Description	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	<5 nant LO SID	CHLOF CATION EWALLS	269 RIDE FIELD DEPTH 3'	704 TESTS mg/kg 275
BOTTOM eneral Description	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	<5 nant LO SID	CHLOF CATION EWALLS	269 RIDE FIELD DEPTH 3'	704 TESTS mg/kg 275
BOTTOM eneral Description	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	<5 nant LO SID	CHLOF CATION EWALLS	269 RIDE FIELD DEPTH 3'	704 TESTS mg/kg 275
BOTTOM eneral Description	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	<5 nant LO SID	CHLOF CATION EWALLS	269 RIDE FIELD DEPTH 3'	704 TESTS mg/kg 275
BOTTOM	< 0.005	0.0 al Action: talled a compa	Initial closure	0.034 testing demons	0.045 stated contami	<5 nant LO SID	CHLOF CATION EWALLS	269 RIDE FIELD DEPTH 3'	704 TESTS mg/kg 275
BOTTOM	< 0.005	0.0	Initial closure Initial closure Incted clay line es.	0.034 testing demons r and water proc	0.045 stated contarni of junction box	nant LO SID BI	0 CHLOF CATION EWALLS DTTOM	269 RIDE FIELD DEPTH 3' 4'	704  TESTS
BOTTOM	< 0.005	0.0	Initial closure Initial closure Incted clay line es.	0.034 testing demons r and water proc TiON ABOVE WLEDGE AI	0.045 stated contami of junction box	nant LO SID BI	CHLOF	269 RIDE FIELD T DEPTH 3' 4'	704  TESTS
BOTTOM eneral Description relis below NMOCD ackfilled with blende	< 0.005	0.0	Initial closure Initial closure Initial closure INFORMAT KNC	0.034 testing demons r and water proc TiON ABOVE WLEDGE AI	0.045 stated contami of junction box	ND COMPL	CHLOF	269 RIDE FIELD DEPTH 3' 4' HE BEST OF	704 TESTS

CARDINAL LAB HOBBS



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

PHONE (605) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: CHRIS RODRIGUEZ 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 11/07/01 Reporting Date: 11/12/01 Project Number: K-36 Project Name: K-36 BOX UPGRADE Project Location: EME

Sampling Date: 11/07/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/HM

LAB NUMBER SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Ci* (mg/Kg)
ANALYSIS DATE	11/09/01	11/09/01	11/08/01
H6269-1 WALL COMP.	<50	<50	272
H6269-2 BOTTOM COMP.	<50	269	704
Quality Control	829	782	980
True Value QC	800	800	1000
% Recovery	104	97.8	98.0
Relative Percent Difference	8.7	0.1	0

METHODS: TPH GRO & DRO: EPA SW-848 8015 M; CI': Std. Methods 4500-CI'B \*Analyses performed on 1:4 wtv aqueous extracts.

Jest for Cook

11/12/01 Date

H6269A.XLS To Demages. Cardina's lisbility 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 thiny (30) days after completion of the applicable source, in no event shall Cardinat be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by alient, its subsidiaries. stilliates or successors arising out of previated to the performance of services heraunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

11/12/2001 16:23 5053932476

CARDINAL LAB HOBBS



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: CHRIS RODRIGUEZ 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 11/07/01 Reporting Date: 11/12/01 Project Number: K-36 Project Name: K-36 BOX UPGRADE Project Location: EME

Sampling Date: 11/07/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

LAB NUMBI	ER SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE	11/07/01	11/07/01	11/07/01	11/07/01
H6269-1	WALL COMP.	<0.005	<0.005	<0.005	<0.015
H6269-2	BOTTOM COMP.	<0.005	0.006	0.034	0.045
					+
Quality Cont	trol	0.112	0.103	0.110	0.327
True Value	QC	0.100	0.100	0.100	0.300
% Recovery	·	112	103	110	109
<b>Relative</b> Per	rcent Difference	3.8	1.6	1.8	2.3

METHOD: EPA SW-846 8260

Earlie

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim atlang, 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 whateoever shall be deemed waived uniter 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 assisted hermunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. HOZOPU.XLS

|--|

4

••••

## **RICE OPERATING COMPANY** JUNCTION BOX FINAL REPORT

				BOX LOC	ATION				
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP		COUNTY	and the second se	IMENSIONS -	the second s
EME	K-36	к	36	205	36E	LEA	Length 7	Width 7	Depth 4
LAND TYPE:	BLMS		FEE LA						
Depth to Grou	Indwater	115	feet	NMOCE	SITE ASSI	ESSMENT	RANKING S	CORE:	0
Date Started	i11/07/2	001	Date Co	mpleted	11/07/2001		Witness	N	<u> </u>
Soil Excavated	10	cubic ya	rds Ex	cavation Le	ngth <u>10</u>	Width	10	Depth	fee
Soil Disposed	1 <u>    0     </u>	cubic yar	ds O	ffsite Facility			Location		
FINAL ANAL	YTICAL RE Procure 5-point BTEX and Cl	composit	e sample o	f bottom and	4-point com pleted by us	posite sam	ole of sidewa	alls. TPH,	4'
Sample	Benzene			thyl Benzene	Total Xylen		RO	DRO	Chlorides
Location SIDEWALLS	mg/kg < 0.005		/kg .005	mg/kg < 0.005	mg/kg <0.015		y/kg 50	mg/kg <50	
BOTTOM	< 0.005		005	0.005	0.045		50	269	704
General Description	guidelines. Instal	led a compa	acted clay line	e testing demon er and water pro		 (	OCATION		
				·····			DEWALLS	3'	275
					······································		BOTTOM	4'	725
I HERE	BY CERTIFY T	HAT THE		TION ABOV			PLETE TO T	HE BEST O	F MY
DATE	11429	/2001		PRI			D. E.	Anderson	
SIGNATURE	(XClud	lisn			TITLE	F	Project Lead	er - Environn	nental

Mullion TITLE Project Leader - Environmental

3

5053932476 11/12/2001 16:23



PHONE (915) 673-7001 . 2111 BEECHWOOD . ABILENE, TX 79503

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 86240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: CHRIS RODRIGUEZ 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 11/07/01 Reporting Date: 11/12/01 Project Number: K-36 Project Name: K-36 BOX UPGRADE Project Location: EME

Sampling Date: 11/07/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/HM

LAB NUMBER SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Ci* (mg/Kg)
ANALYSIS DATE	11/09/01	11/09/01	11/08/01
H6269-1 WALL COMP.	<50	<50	272
H6269-2 BOTTOM COMP.	<50	269	704
Quality Control	829	782	980
True Value QC	800	800	1000
% Recovery	104	97.8	98.0
Relative Percent Difference	8.7	0.1	0

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

ujest for Cook

(12/01 Date

H6269A.XLS PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive temedy 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 weived 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 insidential 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.

11/12/2001 16:23 5053932476



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: CHRIS RODRIGUEZ 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 11/07/01 Reporting Date: 11/12/01 Project Number: K-36 Project Name: K-36 BOX UPGRADE Project Location: EME Sampling Date: 11/07/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

LAB NUMBE	ER SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE	11/07/01	11/07/01	11/07/01	11/07/01
H6269-1	WALL COMP.	<0.005	<0.005	<0.005	< 0.015
H6269-2	BOTTOM COMP.	<0.005	0.006	0.034	0.045
Quality Cont	trol	0.112	0.103	0.110	0.327
True Value		0.100	0.100	0,100	0.300
% Recovery	1	112	103	110	109
	rcent Difference	3.8	1.6	1.6	2.3

METHOD: EPA SW-846 8260

4+ Ja coshe

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim artaing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, (noticing those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thiny (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 processors arising but 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.

J J		ĺ	Ç		,								0	HA	2 Z		CHAIN-OF-CUSTODY	<u>a</u>	AN	DA	AND ANALYSIS REQUES	<u>YSIS</u>	RE		ST
THE AREA	▲ AKDINAL LABOKA   OKIES, INC. 2111 Beechwood, Abilene, TX 79603	Ц н Ц н	ν γ	1NC 9603		01 E	ast	Mar	and	Hob.	bs. N	101 East Marland. Hobbs. NM 88240	<b>6</b>												
	(915) 673-7001 Fax (915) 673-7020	15) 6	373-	7020		(505)	393	-232	6 F.	ax (50	393-2326 Fax (505) 393-2476	-2476									Pa	Page	, o	-	
Company Name:	Rice Operation C	Conners	50	18													ANA	ANALYSIS		REQUEST	ST				
Project Manager: /	1 1	ניי ניי						<u>OL THR</u>		0	₩ Od		 												
Address: /シス	W. TANOR		Į				ပိ	Company:	ž															·	
City: Hehbe	State: ////Zip:		5,0	68040			Attn:	ä					1												
Phone #: ご	- 9174						Ad	Address:	:: S:							<u></u>									
Fax#: 397-	1471						CITY:	÷					<b>\</b> 	<del></del>											
Project #: /c-36	Project Owner:						St	State:			Zlp:		NΈ	100		<u></u>									
Project Name: K-36	-36 Ber wanned	0					£	Phone #:	#				<u>]</u> ] (	হা /											
Project Location:							Fa	Fax #:					どう	<del>.</del>											
FOR LAB USE ONLY			┝	ſ	MATRIX	RIX		ā	PRES.	ŝ	SAMPLING	.0		J											
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	SROUNDWATER	ABTAWBTEAW	SOIL		DTHER :	VCID:	OTHER : DTHER :		DATE	TIME	BTER, U	Mund	۰ <u>مر</u>										
H6262M	1.1/411 Pran		1	+	2	+	+	1	+		-	2:2)	×												
(- (-	an Comp	<sup>1</sup>	+	-	Ż	$\mathbb{H}$			$\left  - \right $	1	1961		X												
			++			++									+-+		+++	+							
			-+-																						
			┼╌┤	$\left  - \right $		┼┤	+		╉─╢					$\left  - \right $	$\left  \right $	$\left  \right $	$\left  \right $								
				_											_										
															$\neg$	4	ľ								
PLEASE NOTE: Llability and Da. analyses. Al daims including tho: servics. In no event shall Cardna	PLEASE MOTE: Labitly and Damages. Cardinal's labitly and dient's exclusive teneroly for any data mattery whone da makyses. Not adaims includinghose for neglicance and any other cause and matecover state. Advised unless made sevice: In no event Advised Ecardina Batte for includental or consequential damages, including without limitation. Desirves made	er shall b a, includi	or any o the chean ing with	ned wait rout limit	ved unle ved unle ation, tr	ether Cr his mad usines	le in writ Interrup	contract ing and tions, ic	or lon, receiver iss of ut	d by Cardi te, or loss	nied to me hai within 34 of profits in	eio in contract once, suma sumero con a anout real oy the carrier for in writing and received by Cardinal Within 30 days after competition of the appicable reteructions, loss of use, or hose of profits incurred by clear, its aubsidantes,	oy the clief completion ent, its sub	of the sp sidaries,	picable			orms and O days pas nd all costi	concerton st due at th of collecti	e rate of 24% ions, includir	remuses and considerants interests the charged on an accounts more train 30 days past due at the rate of 24% per acrum from the original date of involce and all costs of colations, including thoms/s fees.	a from the c from the c frees.	courts mor original data	ra man e of invoice	
affiliates or successors arising out of	ut of or related to the performance of services here	reunder	by Card	final, re	andess Vor	of whe	ther suc	th claim	is base	d upon my	of the abo	ove stated reasons or otherwise	sons or of	herwise.		No. Ad	ditional	Fay #							
sampler reinquish	la gire	200			J 10							Fax Result: REMARKS:	KS:			N N									
Relinquished By:				Received By:	lved	By:	(Lat	Lab Staff)	E	1. 1															
Delivered Bv: (Circle One)				Sam	Sample 9	A	June 1	£,	知識	が思い	م) بز														
Sampler - UPS - B	- Bus - Other:			ğ AÇ			No es	<u> </u>	5	(Initials)															
† Cardinal can	t Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.	Pleas	ie fa	X WI	ltten	chai	ıges	to 9	15-67	13-702	0.														

Ŧ

A. 4 -

I

i

I

i