1R - <u>427 - 35</u>

REPORTS

DATE:

1-28-2004

EME E-30

180427-35

FINAL

REPORT

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

					BOX LO	CATIO	NC							
SWD SYSTEM JUNCTION		UNIT	SECTION	TOWNSH	IP R	ANGE	COL	JNTY	BOX D	- FEET				
	EME E-30		E	30	215	1	36E	L	ea	mov	ed 70 ft North	Off Northwest		
L	LAND TYPE: E	3LM	STATE	FEE LA	NDOWNE	R	Dasco	Land	Corp.					
	Depth to Grou	ndwater	230	feet	NMOC		TE ASSE	ESSN	IENT F	RANKING S		0		
	Date Started	12/18	3/2003	_ Date Co	mpleted	1/2	3/2004		OCD V	Vitness	<u> </u>	10		
	Soil Excavated	300	cubic ya	ards Exc	avation	Length	30		Width	30	Depth	9	feet	
	Soil Disposed	0	cubic ya	ards Of	fsite Facili	ity	n	/a		Location		n/a		
FI	NAL ANAL Y Pr	(TICAL F rocure 5-poi BTEX and (RESULTS nt composit Chloride lab	S: Sample of poratory test procedures	e Date bottom ar results co pursuant	nd 4-p mplete to NM	12/31/2 oint com ed by us OCD gu	2003 nposit sing a iidelin	e samp n appro es.	Sample De ble of sidewa bved lab and	pth alls. TPH, d testing	9 ft		
<u> </u>	Sample	PID	G	RO	DRO	1	Chloride							
	Location	ppm	m	g/kg	mg/kg		mg/kg			CHLOR		TESTS		
	SIDEWALLS	87.5	<	10.0	41.8		496							
	BOTTOM	92.1	<'	10.0	<10.0		704							
R	EMEDIATED	92.1	<'	10.0	346		672		LC	OCATION	DEPTH	(ft) F	pm	
										vertical	3		567	
Gei	neral Descriptio	on of Remed	lial Action:	Vertical delin	eation at the	e juncti	on				4		506	
box	exhibited a vertica	I decline of ch	loride concer	ntrations with d	epth. As a	30 x 30	x 9-ft dee	ер			5		269	
exca	avation was produ	ced, PID read	ings and chlo	ride tests were	performed	regular	ly. PID				6		208	
clos	ure readings were	below 100 pp	m and lab res	sults confirm th	at TPH con	centrat	ions are				7		237	
belo	w NMOCD guideli	ines. The exc	avated soil wa	as mixed and b	ackfilled int	o the h	ole and				8		295	
cont	oured to the surro	unding surfac	e. A new wat	ertight junction	box has be	en buil	t 80 ft				9	:	237	
nort	hwest of this locat	ion. The distu	irbed surface	is expected to	naturally rel	turn to i	productive	e	bo	ttom comp.	9		597	
cap	acity at a normal r	ate.				· · · · · · · · · · · · · · · · · · ·			4-	wall comp.	n/a		421	
enc	osures: chloride g	raph, photos,	lab results, P	ID results					rer	ned. comp.	n/a		567	
									<u>,</u>	·····				

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

DATE	1/28/2004	PRINTED NAME	Kristin Farris
SIGNATURE	Kairin Same	TITLE	Project Scientist

EME jct. E-30



Undisturbed Junction Box

11/18/2003



New plumbing at new box site 70 ft NW of old one 12/8/2003



Delineation & Excavation Dec. 2003



Backfilled excavation looking SE from new box 1/23/2004

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

1

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EME jct. E-30 T21S, R36E

Vertical Delineation at Source

CI] ppm	567	506	269	208	237	295	237
Depth bgs (ft)	3	4	5	9	7	8	6

Groundwater = 230 ft





ANPHONE (328) 673-700 PHONE (505) 393-2326 + 101 E. MARLAND + HOBBS, NM 88240 UE OPERATING

HOBBS, NM

2111 BEECHWOOD · ABILENE, TX 79603

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

Receiving Date: 01/07/04 Reporting Date: 01/08/04 Modified Reporting Date: 01/17/04 Project Number: NOT GIVEN Project Name: EME E-30 Project Location: LEA CO., NM

Sampling Date: 12/30/03 &12/31/03 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: GP Analyzed By: BC/AH

MODIFIED REPORT

LAB NUMBER SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE	01/07/04	01/07/04	01/07/04
H8333-1 BOTTOM 9' COMP	<10.0**	<10.0**	704
H8333-2 4 WALL COMP	<10.0	41.8	496***
H8333-3 REMEDIATED BACKFILL	<10.0	346	672
Quality Control	712	742	1010
True Value QC	800	800	1000
% Recovery	89.0	92.8	101
Relative Percent Difference	3.4	2.3	7.0

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

**Analysis Date: 01/16/04

*** Matrix interference (color) observed.

合于 经营业

17111

H8333.XLS

PICASE NOTE: Lability 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.

+ Cardinal cannot accopt verbal	a mplar UPS - Bus - Othar:	Delivered By: (Circle One)	Coc-ye Jyle - Ne	Rollnquished By:		Sampler Kelinguisned:	Reference on the state of the select to the performance	randy on a second that Cardback to read-back on they other o analysis have even that Cardback to fad back for heldering on other o					a a s	-> tread ted	-2 4 11 4 00	148333 -1 Softon		Lah I.D. Sample		FORTAD LEE CHY	pampler Hanne: Sarah a So	Project location:	ritofact thama: Zan Zan Zan Zan	Projuct #:	171010# 3332-9174	Cary: Hatha,	Address: 122 M. Taylor	ruject Manager: Knoth h Fe	Company Name: RICE DEISA	2111 Beechwood, Al (915) 673-7001 Fa	
changes. Please fax written changes to 505-39	XYas XYas Ho Ho	/Sample Condition	18% Jam Sayle HVox	Dira: Received By: (Lab Start)			u of said-as becarshe by Cauland, regardinas of whattar mich tides in based in	ranor a la bonna 11.24 ba desinad a sirad intere mede in villigi asti recubed by ranor a da bonna 11.24 ba esto din Aalba baheen interudora, losa oli ura, c						Breley, uc CG X	CG /	9. Comp (6 1	G)RAE CON ROUI VASTI OIL RUDI LUDG ITHEF		C)OMF RS TER ER	MATRIX	Les C	Pho	- <u> </u>	Project Owner: City	Fax #: 397-1471 Adv	State: NM ZIP: 82240 AIL	60		Ling Company	DRATORIES, INC. bilene, 1X 79603 101 East Marland, Hot x (915) 673-7020 (505) 393-2326 Fax (50	
93-2476.		(Init Part (Init Part)			Tex & cost to k			ین کنین کار با دارد. معرف محمد محمد الله الله الله الله الله الله الله الل	the head to be account not by the check (of the			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		x 21:5 3:15 X	X 1230 3:40 X 11	X 123, 10:30 X		ASE: 00.	4/	PRESERV SAMPLING	502			y:	(h@88;		impany: RICE			653 Yind Bo240 05) 393-2470	CHAIN-OF-CUSTODY A
					rice	vdd i Fax #: vdd Fax #:		30 days part das et fin taks of 24% per entrait hom file etybel date of trades, and all costs of coloridate, technikag etheracy's free.	Terms and Constituent: Interest will be charged in the accurate more than																				NALYSIS REQUEST	Pageof	AND ANALYSIS REQUEST



ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND

HOBBS, NEW MEXICO 88240 PHONE: (505) 397-4882 FAX: (505) 397-4701

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S CALIBRATION GAS GAS COMPOSITION: ISOBUTYLENE AIR

مر شی جر ک EXP. DATE: // / / / METER READING ACCURACY: 100.2 SERIAL NO: 103999

100 PPM BALANCE FILL DATE: 12 - 30 - 03 ACCURACY: 100 - 03

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
Emã	E-30	Ē	30	als	365

Conoco Ceekhart A-30 Bol

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Composite 1		15es+20	
Semple		Comp	93.4
North 20'		Bottom ?	
Comp	20,1	Comp	92.1
South 10'		Rendeted	
Comp	0.0	Brehtree	315
hiest 10'		4 Well	
Comp	20,1	Comp	87.5

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

Mark Field Feel 12-30-03 Title Date Signature