

1R - 427 - 34

REPORTS

DATE:

12-30-2003

EME I-9-1

1R0427-34

FINAL

REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	I-9-1	I	9	21 S	36 E	Lea	6	5	9

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck OTHER _____

Depth to Groundwater 200 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9/12/2003 Date Completed 9/30/2003 OCD Witness No

Soil Excavated 187 cubic yards Excavation Length 30 Width 14 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 9/15/2003 Sample Depth 12 ft bgs

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	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SIDEWALLS	12	<10.0	<10.0	144
BOTTOM	22	<10.0	<10.0	592
REMEDIATED	64	<10.0	<10.0	304

CHLORIDE FIELD TESTS

General Description of Remedial Action: This junction site was delineated with a backhoe and chloride and PID readings were taken regularly. Chloride concentrations exhibited a conclusive vertical and lateral decline. PID readings were very low throughout and lab results confirmed that TPH concentrations are well below NMOCD guidelines.

The excavated soil was land farmed on-site and then backfilled into the hole. The junction has been re-plumbed with a new poly pipeline and a new water-tight junction box has been built over it. The disturbed surface was re-seeded with a blend of native vegetation on 12/12/2003 and will be monitored for growth.

enclosures: lab results, chloride graph, photos, PID readings

LOCATION	DEPTH (ft)	ppm
vertical	8	4482
	9	1885
	10	1329
	11	1101
	12	929
	13	744
	14	573
4-wall comp.	n/a	193
bottom comp.	12	506
remed. comp.	n/a	292

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

DATE 12/30/2003 PRINTED NAME Kristin Farris
SIGNATURE Kristin Farris TITLE Project Scientist

EME jct. I-9-1



Undisturbed junction box

7/23/2003



30 x 14 x 12-ft-deep Excavation

9/15/2003



Construction of New Junction Box

10/2/2003



Seeding Disturbed Surface

12/12/2003

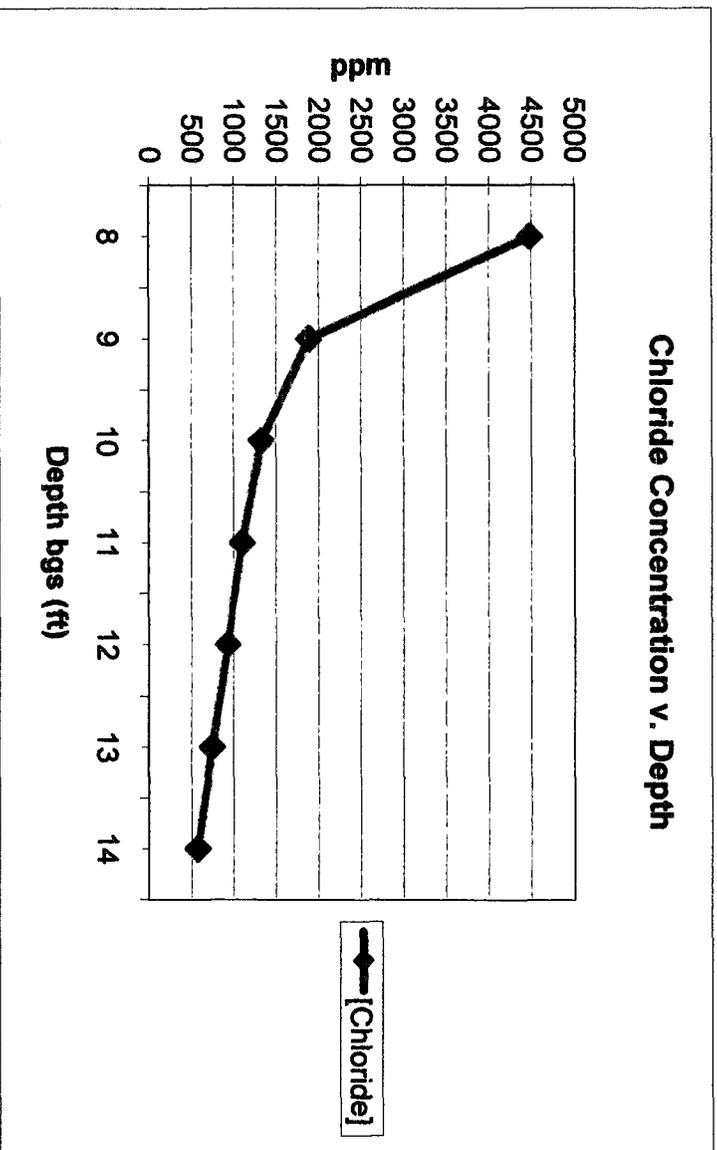
CHLORIDE CONCENTRATION CURVE

EME jct. I-9-1

T21S, R36E

Depth bgs (ft)	[Cl ⁻] ppm
8	4482
9	1885
10	1329
11	1101
12	929
13	744
14	573

Groundwater = 2000 ft



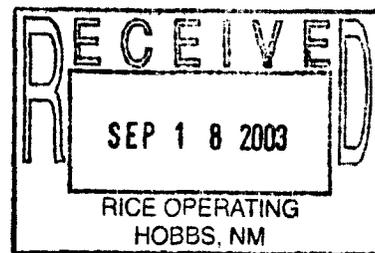


ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

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



Receiving Date: 09/15/03
Reporting Date: 09/16/03
Project Number: NOT GIVEN
Project Name: EME I-9-1
Project Location: LEA CO., NM

Sampling Date: 09/15/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		09/15/03	09/15/03	09/16/03
H8004-1	BOTTOM COMPOSITE 12'	<10.0	<10.0	592
H8004-2	4 WALL COMPOSITE	<10.0	<10.0	144
H8004-3	STOCKPILE COMPOSITE	<10.0	<10.0	304
Quality Control		777	821	970
True Value QC		800	800	1000
% Recovery		97.1	103	97.0
Relative Percent Difference		11.3	12.1	1.0

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



Chemist

9/16/03

Date

H8004.XLS

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CHAIN OF-CUSTODY AND ANALYSIS REQUEST

Page ___ of ___

ANALYSIS REQUEST

BILL TO

Company Name: **RICE Operating Company**

P.O. #:

Company: **RICE**

Address: **122 W. Taylor**

City:

State: **NM** Zip: **88240**

City: **Hobbs,**

Address:

City:

Phone #: **393-9174**

Fax #: **397-1471**

State: Zip:

Project #:

Project Name:

Project Location:

Project Name: **ENE I-9-1**

Project Location: **Lee**

Project Location: **Lee**

Project Name:

Project Location:

Sampler Name: **Steve Steel**

Sampler Name:

Sampler Name:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :			
AB0041	Soldan Composite	C	3			X				5/15/03	10:16	TPH 8015
	3 wells composite	C	3			X				5/15/03	10:45	Chloride
	3 Stakepile Composite	C	3			X				5/15/03	16:01	

WARNING NOTE: Utility and Emergency Contact's ability and ability's availability remain for any claim and/or liability based in contract or tort shall be limited to the amount paid by the client for the service. 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 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 and/or the individual, affiliate or successor adding out of or related to the performance of services furnished by Cardinal, regardless of whether such claim is based upon any of the above stated theories of liability.

Terms and Conditions: Invoiced will be charged on all accounts more than 30 days past due at the rate of 2% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished: Date: _____ Time: _____ Received By: _____

Relinquished By: _____ Date: **5-15-03** Time: **18:32** Received By: (Lab Staff) _____

Delivered By: (Circle One) **Steve Steel** Sample Condition: **Good** Checked By: **Steve Steel**

Sampler - UPS - Bus - Other: _____

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

Remarks: **For copy to Rice**

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JUNCTION BOX FINAL REPORT
SITE EXCAVATION INFORMATION

EME J-5-1

DATE DEPTH CL PID TPH SOIL COMPOSITION

LAB TenyRe Environmental

DATE	DEPTH	CL	PID	TPH	SOIL COMPOSITION
7/15/03	N. Well 43'	149	10.5	16	Mix
	S. Well 17'	119	11.7	8	}
	W. Well 7'	230	10.8	18	
	E. Well 7'	289	16.2	14	
6 C.	4 Well	193	31.2	12	
6 C.	Bottom	506	49.6	22	
6 C.	Stakepile	292	28.2	64	

Gary Stant