

1R - 427-53

REPORTS

DATE:

12-15-2003

EME G-9

1R0 427-53

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	G-9	G	9	21S	36E	Lea	No Box (eliminated)		

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

Depth to Groundwater 157 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 9/4/2003 Date Completed 9/30/2003 OCD Witness No

Soil Excavated 389 cubic yards Excavation Length 25 Width 30 Depth 14 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 9/19/2003 Sample Depth 14 ft bgs

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SIDEWALLS	24.1	<10.0	14.2	640
BOTTOM	22.6	<10.0	33	512
REMEDIATED	31.1	<10.0	<10.0	672

Procure 5-point composite sample of the bottom and 4-point composite sample of sidewalls. TPH and chloride laboratory test results completed using an approved lab and testing procedures pursuant to NMOCD guidelines.

General Description of Remedial Action: This junction box site was excavated

and delineated for chloride and TPH impact to 25 x 30 x 14 ft deep. Chloride concentrations decreased vertically and laterally. TPH concentrations were well below NMOCD guidelines.

The excavated soil was blended and then backfilled into the hole, the surface was contoured to the surrounding landscape. The surface has been re-seeding with a blend of native vegetation and will be monitored for growth. This junction has been eliminated so a new box is not required at this site.

A WATER WELL IS LOCATED 400 FT NORTH OF THIS JUNCTION.

enclosures: lab results, chloride graph, PID, photos

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	6	4193
	7	1349
	8	1281
	9	1209
	10	1106
	11	834
	12	1010
	13	612
	14	481
Bottom Comp.	14	524
4-wall comp.	n/a	706
Remed. Comp.	n/a	733

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

DATE 12/15/2003 PRINTED NAME Kristin Farris
SIGNATURE *Kristin Farris* TITLE Project Scientist

EME jct. G-9



Undisturbed junction box

6/26/2003



Excavation

Sept. 2003



Excavation

Sept. 2003



Seeding disturbed area of backfilled site

12/12/2003

CHLORIDE CONCENTRATION CURVE

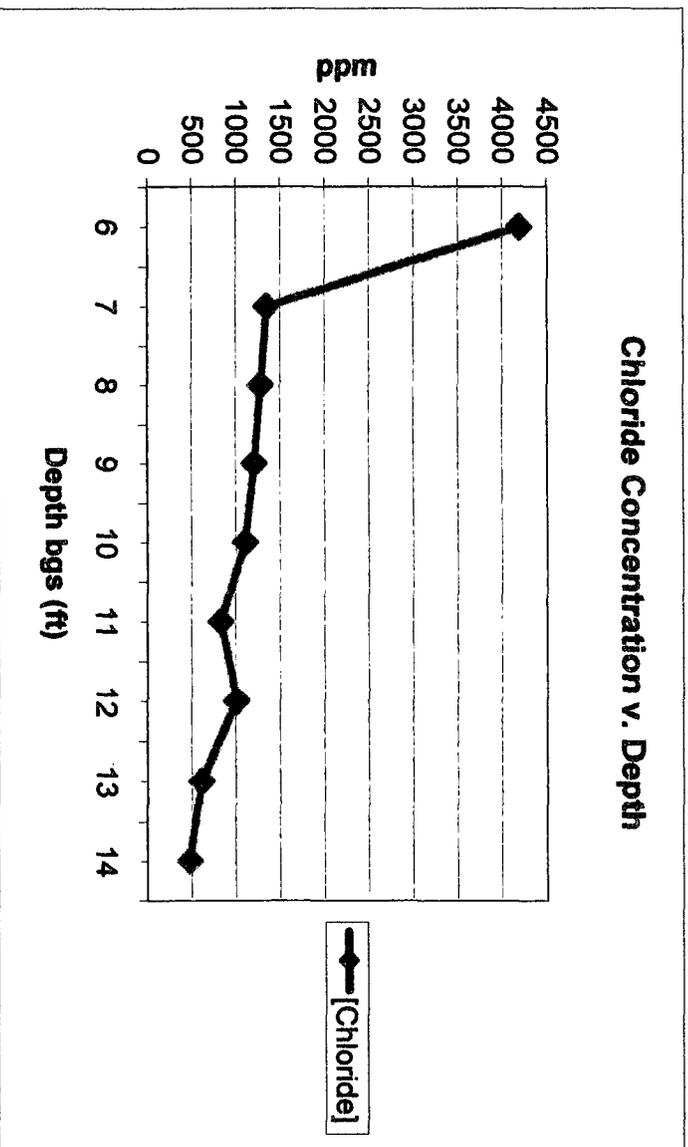
EME jct. G-9

T21S, R36E

Center of Junction

Depth bgs (ft)	[Cl ⁻] ppm
6	4193
7	1349
8	1281
9	1209
10	1106
11	834
12	1010
13	612
14	481

Groundwater = 157 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: 09/19/03
Reporting Date: 09/22/03
Project Number: NOT GIVEN
Project Name: EME G-9
Project Location: LEA CO., NM

Sampling Date: 09/19/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
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	09/19/03	09/19/03	09/22/03
H8023-1	BOTTOM COMP. 14'	<10.0	33.0	512
H8023-2	4 WALL COMPOSITE	<10.0	14.2	640
H8023-3	STOCKPILE COMP.	<10.0	<10.0	672
	Quality Control	734	838	980
	True Value QC	800	800	1000
	% Recovery	91.8	105	98.0
	Relative Percent Difference	0.6	7.5	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

*Analyses performed on 1:4 w:v aqueous extracts.

Burgess Jh Cook
Chemist

9/22/03
Date

H8023.XLS

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.

ET6E

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Final Section but report Bottom/Full well / 5 foot pile composite
SITE EXCAVATION INFORMATION

EME G-9

DATE	DEPTH	CL	PID	TONY SOLIS RE TPH	LAB	SOIL COMPOSITION
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46 C.	9-19-03	Bottom 14'	524512	22.6	18	22.6
46 C.		4 wall	206640	24.1	18	14.2
46 C.		5 sample	233672	31.1	23	31.1
		N. wall 16'	587	20.2	22	
		S. wall 15'	551	19.6	19	
		W. wall 15'	520	19.5	11	
		E. wall 15'	596	18.7	19	

205 x 30 x 14' deep

Excavated soil was mixed on location
and then backfilled into the hole. Surface
was contoured.

HT
10-22-03

Gary Stod