

1R - 427 - 129

REPORTS

DATE:

9-16-04

EME Sch. G-19

120427-129

**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-19	G	19	19S	37E	Lea	9	6	5

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Jimmie T. Cooper OTHER _____

Depth to Groundwater 58 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 5/8/2002 Date Completed 8/12/2003 OCD Witness No

Soil Excavated 37 cubic yards Excavation Length 12 Width 6 Depth 14 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 8/12/2003 Sample Depth 14 ft

TPH, BTEX, and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
Grab @ 14 ft BGS	<0.005	<0.005	<0.005	<0.015	23.1	854	128

General Description of Remedial Action: Delineation and excavation of this junction box began on 5/8/2002 using a backhoe. Hard rock was encountered just below the surface. Only a vertical trench was excavated and the samples were field tested for chloride and TPH. Chloride concentrations exhibited a substantial decline with depth (see graph).

Due to a landowner dispute, excavation was aborted. On 8/12/2004, ROC returned to the site to collect a sample for lab confirmation. A 14 ft grab sample was collected from the existing trench. The trench was backfilled as the pipeline junction at the location is still active. On 6/28/2004, a watertight junction box was completed over the junction.

Remaining TPH will naturally attenuate.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	5	1000
at jct.	9	250
	12	298
	14	128

enclosures: chloride graph, photos, lab results

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

SITE SUPERVISOR Roy Rascon SIGNATURE Roy A. Rascon COMPANY RICE Operating Company
 REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope
 DATE 8/12/2004 TITLE Project Scientist

EME jct. G-19



undisturbed box

3/22/2002



new plumbing prior to excavation

4/30/2002



delineation trench

5/8/2002

EME jct. G-19



backfilled



completed junction box at backfilled site

8/3/2004

CHLORIDE CONCENTRATION CURVE

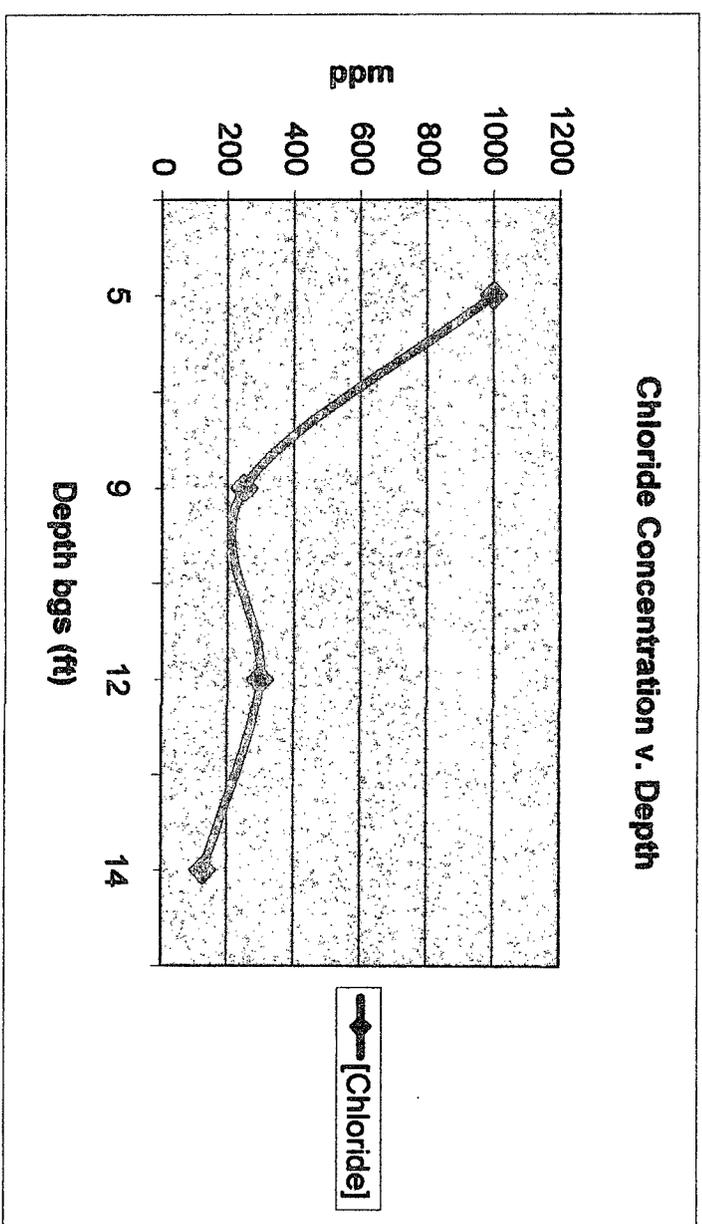
RICE Operating Company

EME jet. G-19

T19S, R37E

Depth bgs (ft)	[Cl ⁻] ppm
5	1000
9	250
12	298
14	128

Groundwater = 58 ft





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

Receiving Date: 08/12/03
 Reporting Date: 08/13/03
 Project Number: NOT GIVEN
 Project Name: G-19
 Project Location: EME

Sampling Date: 08/12/03
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: BC
 Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		08/12/03	08/12/03	08/12/03	08/12/03
H7909-1	14' VERT.	<0.005	<0.005	<0.005	<0.015
Quality Control		0.105	0.107	0.095	0.263
True Value QC		0.100	0.100	0.100	0.300
% Recovery		105	107	95.3	87.8
Relative Percent Difference		9.6	3.5	1.0	3.1

METHOD: EPA SW-846 8260

Burgess J R Cooke
 Chemist

8/13/03
 Date

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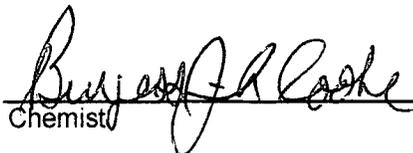
Receiving Date: 08/12/03
Reporting Date: 08/13/03
Project Number: NOT GIVEN
Project Name: G-19
Project Location: EME

Sampling Date: 08/12/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

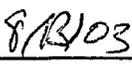
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		08/12/03	08/12/03	08/13/03
H7909-1	14' VERT.	23.1	854	128
Quality Control		779	752	1000
True Value QC		800	800	1000
% Recovery		97.3	94.0	100
Relative Percent Difference		0.7	8.1	3.0

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

*Analysis performed on a 1:4 w:v aqueous extract.



Chemist



Date

H7909A.XLS

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of

Company Name: RICE Operating Company Project Manager: Kristina Farris		Company: RICE Attn: Address: City: State: NM Zip: 88240 Phone #: 393-9174 Fax #: 397-1471 Project #: Project Name: G-19 Project Owner: Project Location: EMB Sampler Name:		Bill To P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST													
FOR LAB USE ONLY		MATRIX # CONTAINERS (G)RAB OR (COMP) GROUNDWATER WASTEWATER SOIL CRUDE OIL SLUDGE OTHER:		PRESERV ACID/BASE ICE/COOL OTHER:		SAMPLING DATE TIME		TPD - 8015 BTEX CL											
Lab I.D. N7904-14' west		Sample I.D.		DATE TIME		8-17-01 930													
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 the client for the analysis. 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 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 causes or otherwise.		Received By: Date: 8/17/01 Time: 11:30 AM Received By: (Lab Staff)		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS:		Add'l Phone #: <input type="checkbox"/> No Add'l Fax #: <input type="checkbox"/> No													
Relinquished By: [Signature]		Delivered By: (Circle One) [Signature]		Checked By: [Signature]		[Signature]													
Sampler - UPS - Bus - Other:		[Signature]		[Signature]		[Signature]													

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