

1R - 427-310

REPORTS

DATE:

4-29-09

EME Jet G-21
2009

1R427-310

RECEIVED

ADD - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

RECEIVED

APP - 6 2010

Environmental Bureau
Oil Conservation Division

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Eunice Monument Eumont (EME)	Jct. G-21	G	21	21S	36E	Lea	eliminated		

LAND TYPE: BLM ___ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 162 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 11/14/2008 Date Completed 12/22/2008 OCD Witness no

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 12/17/2008 Sample Depth 12 ft

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

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	3.9	<10.0	<10.0	224
BOTTOM COMP.	4.9	<10.0	<10.0	352
BLENDED BACKFILL	1.3	<10.0	55.8	208

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	300
bottom comp.	12'	360
blended backfill	n/a	300
background	6"	120
vertical delineation trench at 5 ft north of the junction (source)	1'	115
	2'	150
	3'	176
	4'	357
	5'	301
	6'	323
	7'	256
	8'	259
	9'	288
	10'	389
	11'	428
12'	314	

General Description of Remedial Action: This junction box was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30x30x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations of chloride. Organic vapors were measured using a PID, which also yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH which confirmed low concentrations. The excavated soil was blended on-site, returned to the excavation to ground surface, and contoured to the surrounding area. On 12/24/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

enclosures: photos, lab results, PID (field) screenings, chloride curve

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

SITE SUPERVISOR Eric Garrison SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL [Initials]

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 4-29-09

EME Jct. G-21

Unit G, Section 21, T21S, R36E



site prior to excavation, facing east

11/14/2008



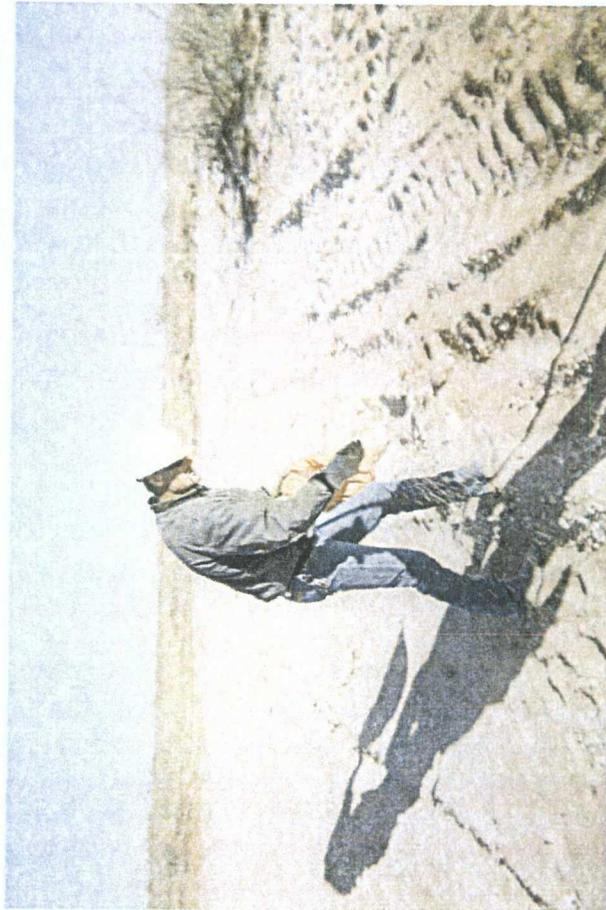
collecting a soil sample, facing north

12/3/2008



final 30x30x12-ft excavation, facing north

12/17/2008



seeding backfilled site, facing north

12/24/2008



**ARDINAL
LABORATORIES**

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

COPY

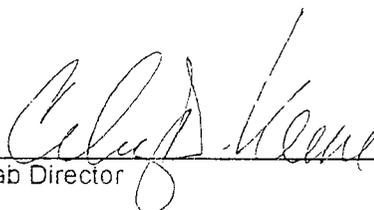
ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ERIC GARRISON
122 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 12/17/08
Reporting Date: 12/19/08
Project Number: NOT GIVEN
Project Name: EME JCT G-21
Project Location: EME JCT G-21

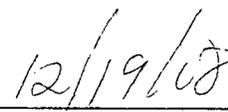
Sampling Date: 12/17/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
	ANALYSIS DATE	12/18/08	12/18/08	12/18/08
H16547-1	5 PT BTTM COMP @ 12'	<10.0	<10.0	352
H16547-2	4 WALL COMP @ 30x30	<10.0	<10.0	224
H16547-3	BLENDED BACKFILL	<10.0	55.8	208
	Quality Control	586	497	500
	True Value QC	500	500	500
	% Recovery	117	99.4	100
	Relative Percent Difference	10.7	13.8	< 0.1

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



Lab Director



Date

H16547 TCL RICE

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



CARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (575) 393-2326 Fax (575) 393-2476

BILL TO				ANALYSIS REQUEST							
Company Name: <u>Rice Operating</u>		P.O. #:		Matrix		PRESERV		DATE		TIME	
Project Manager: <u>Eric Garrison</u>		Company:		WASTEWATER		ICE/COOL		12-17-08		14:00	
Address: <u>Bar W Fryer</u>		Attn:		GROUNDWATER		OTHER:		11-17-08		15:45	
City: <u>Hobbs, N</u>		Address:		# CONTAINERS		SLUDGE		10-17-08		16:00	
State: <u>NM</u>		City:		(G)RAB OR (C)IMP.		OIL					
Zip: <u>88240</u>		State:				SOIL					
Phone #: <u>393-7174</u>		Phone #:				WASTEWATER					
Fax #: <u>(575) 397-1471</u>		Fax #:				GROUNDWATER					
Project #:		Project Owner:				ACID/BASE					
Project Name: <u>EME DST G-2</u>						OTHER:					
Project Location: <u>EME DST G-2</u>						OTHER:					
Sampler Name: <u>ERIC GARRISON</u>						OTHER:					
Lab I.D. Sample I.D.											
H105HT-1		5 FT BTM composite		1		1		12-17-08		14:00	
-2		4 FT BTM composite		1		1		11-17-08		15:45	
-3		Blended Rockfill		1		1		10-17-08		16:00	

NOTE: Sampling and Damages Cardinal's facility and client's facilities cannot be held liable for any claim arising relative to the amount paid by the client for the analysis. All claims including those for negligence and any other claims 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 claims be made 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 in interest. Sampling and Damages Cardinal's facility and client's facilities cannot be held liable for any claim arising relative to the amount paid by the client for the analysis.

Supplier Refill/Used: _____
 Received By: Eric Garrison Date: 12-17-08 Time: 4:40
 Received By: Maity Date: _____ Time: _____

Delivered By: (Circle One) UPS - UPS - Other: _____
 Checked By: (Initials) MBB

Temp. _____ Sample Condition: Cool Intact Yes No Yes No

Remarks: Results
18 Barber@rice.swed.com
JPurvis@rice.swed.com

CHLORIDE CONCENTRATION CURVE

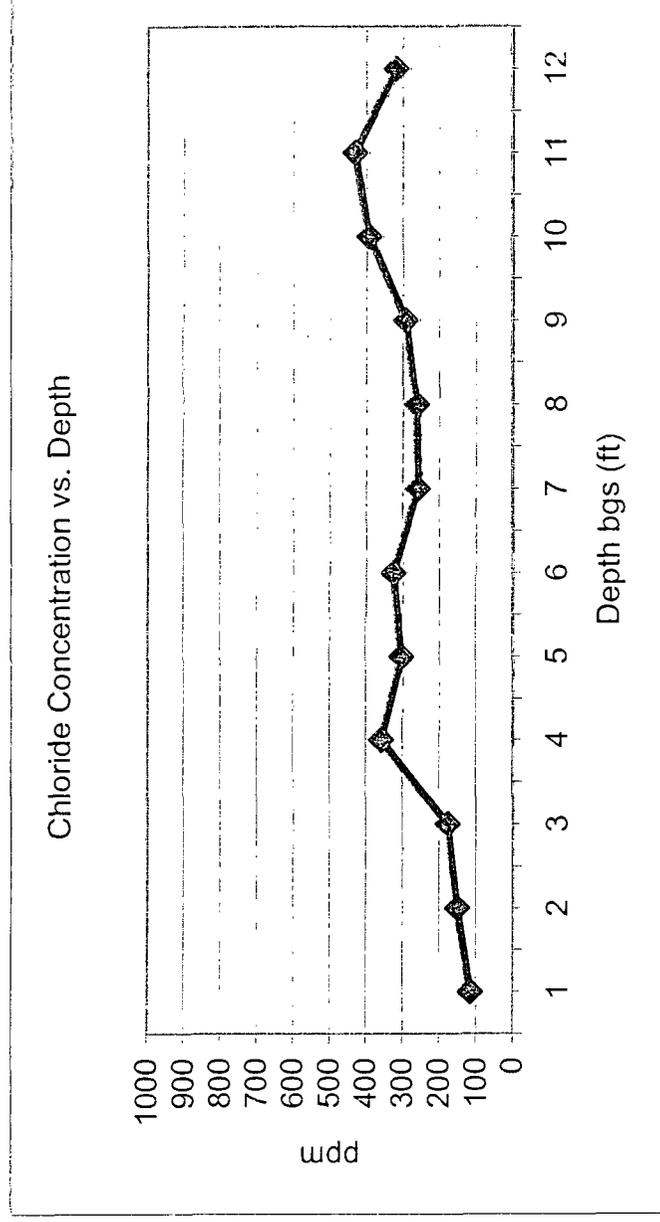
RICE Operating Company

EME Jct. G-21

Unit 'G', Sec. 21, T21S, R36E

Backhoe samples at 5 ft north of the junction (source)

Depth bgs (ft)	[C] ppm
1	115
2	150
3	176
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5	301
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