

1R - 427-163

REPORTS

DATE:

6-10-10

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

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2010 JUN 11 A 11: 22

June 10, 2010

Edward J. Hansen
NMOCD Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
Via E-mail and FedEx

RE: ROC EME JR Phillips Site NMOCD: 1R427-163
Corrective Action Plan Report and Termination Request:
Chloride Mass Removal from Ground Water
Unit D, Section 6, Township 20S, Range 37E

Mr. Hansen:

This letter provides documentation of chloride mass removal from ground water in the EME system at the EME L-6 as proposed by our February 26, 2010 Corrective Action Plan Addendum. Our February 2010 submission was approved by NMOCD on April 28, 2010 and detailed the calculation of chloride in the vadose zone based on characterization of the site using soil borings as 829 kg.

In May, Rice Operating Company pumped a total of 20,790 gallons from EME L-6 RW-1 and RW-2. Results for ground water samples from EME L-6 RW-1 and RW-2 collected on May 3, 2010 as well as records of pumping by day are attached. Chloride levels in EME L-6 RW-1 and RW-2 varied slightly (11,200 mg/L and 11,400 mg/L respectively) and both wells were pumped at equal rates. The chloride mass removal calculation in Table 1 employs of the lower these two concentrations. Table 1 presents the chloride removal accomplished at EME L-6 in May.

Table 1. Chloride Removal from Ground Water Near EME JR Phillips, May 2010

Chloride Mass at JR Philips (kg)	Chloride Concentration in water at EME L-6 RW-1 (mg/L)	Water Removed from L-6 RW-1 & RW-2 (gallons)	Chloride removed at L-6 (kg)
829	11,200	20,790	881

Pumping in May removed approximately 881 kg of chloride in ground water near the site, an estimated 52 kg of chloride more than proposed. Rice Operating Company has ceased ground water pumping for chloride removal on behalf of EME JR Phillips at this time. All water removed in this effort was used for line maintenance.

ROC acknowledges they have met the requirements of 19.15.29 NMAC and we respectfully request termination of this regulatory file.

June 10, 2010
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If you have any questions, please contact us or Hack Conder at Rice Operating Company.

Sincerely,
R.T. Hicks Consultants, Ltd.

A handwritten signature in cursive script that reads "Katie Lee".

Katie Lee
Project Scientist

Copy: Hack Conder, Rice Operating Company

EME JR Phillips (1R427-163)

Date	bbls removed
5/3/2010	
5/10/2010	190
5/12/2010	110
5/17/2010	130
5/19/2010	65
Total for project	495

Cl in ground water, EME L-6 RW-1
11,200 mg/L

Cl in ground water, EME L-6 RW-2
11,400 mg/L

GW removed, gallons 20,790
Total kg cl removed 881



CARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RICE

Project Manager: HARK CONDEZ

Address: 122 W TAYLOR

City: HOBSBS State: NM Zip: 88240

Phone #: (575) 393-9174 Fax #: (575) 393-1471

Project #: Project Owner:

Project Name: EMEL-6

Project Location:

Sampler Name: T. GRIECO

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	G/RAS OR (C)OMP	# CONTAINERS	MATRIX			PRESERV			DATE	TIME	ANALYSIS REQUEST
				WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE			
H19801-1	RW-1	✓	1	✓				✓		5/13/10	10:45	CHLORIDE
2	RW-2	✓	1					✓		5/13/10	10:40	TDS

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Phone Result: Yes No Add'l Phone #:

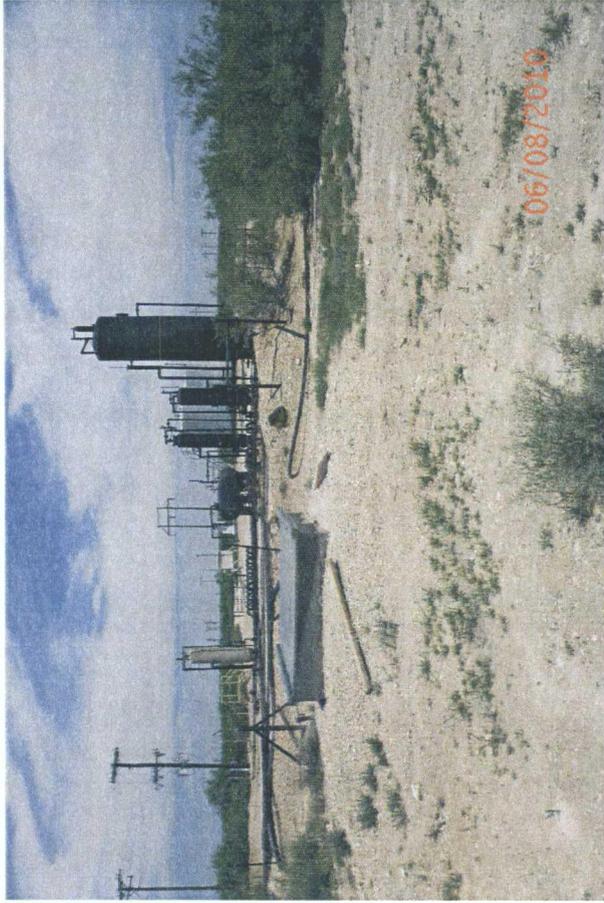
Fax Result: Yes No Add'l Fax #:

REMARKS: email results
Kjones@riceswd.com
lucsinheimer@riceswd.com
jparvis@riceswd.com

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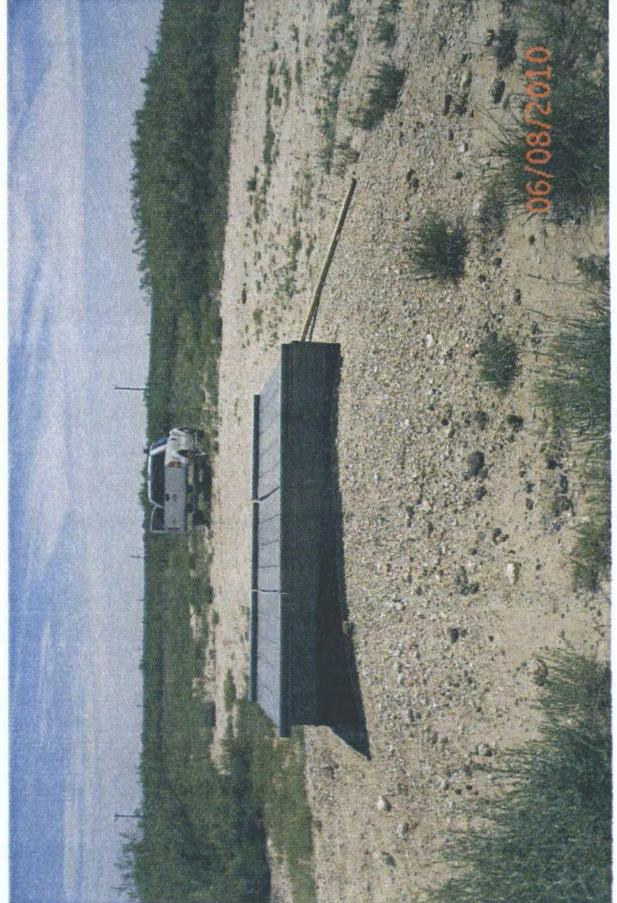
EME JR Phillips (1R 427-163)



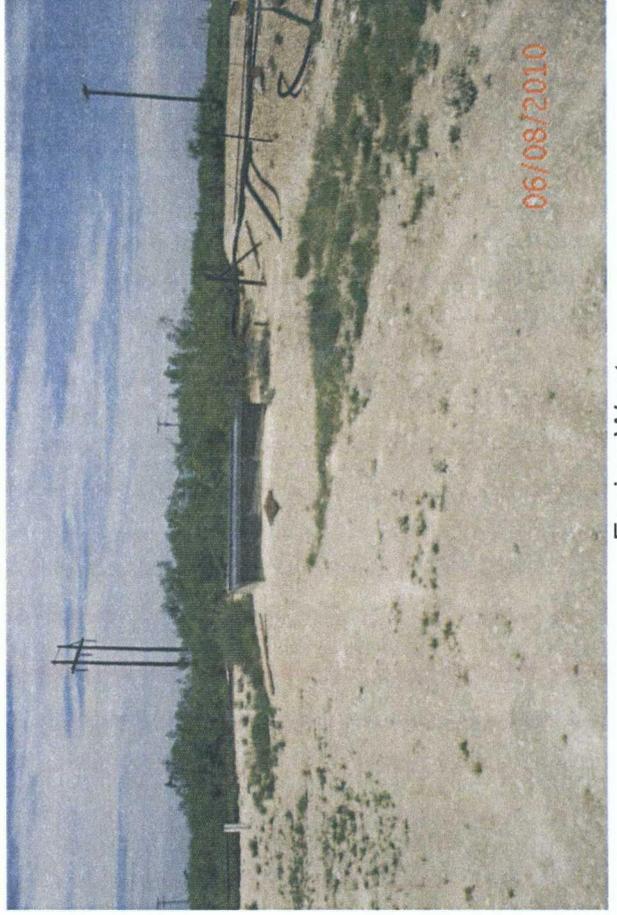
Facing North



Facing South



Facing East



Facing West