

AP - 75

# STAGE 1 & 2 REPORTS

DATE:

9-19-13

## Hansen, Edward J., EMNRD

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**From:** Katie Jones <kjones@riceswd.com>  
**Sent:** Thursday, September 19, 2013 4:07 PM  
**To:** Hansen, Edward J., EMNRD  
**Cc:** Hack Conder; Laura Pena  
**Subject:** Further Delineation Required (AP-75) - ROC BD J-26 Site  
**Attachments:** BD J-26 (AP-75) Soil Sample Plat.pdf; BD J-26 (AP-75) Lab Results.pdf

Mr. Hansen,

A hand auger was used to collect soil samples west of the BD J-26 (AP-75) site, specifically west of MW-2 and MW-4. Samples were collected to a depth of 4 ft bgs and sent to a commercial lab for chloride analysis, resulting in concentrations that increased with depth. The surface sample resulted in a chloride concentration below detectable limit and the 4 ft sample resulted in a concentration of 944 mg/kg. A plat showing the area and the laboratory results are attached. These elevated chloride concentrations in the soil and elevated groundwater chloride concentrations in the up-gradient well (MW-4) prove there is a non-ROC, up-gradient source contributing chlorides to the groundwater.

ROC acknowledges they have met the requirements of 19.15.30 NMAC, and respectfully request termination of the regulatory file or similar closure status. Upon NMOCD approval, the monitoring wells (MW-1, MW-2, MW-3, MW-4, and RW-1) will be plugged and abandoned using a cement grout containing 1-3% bentonite and a 3 ft cap of cement at the surface.

If you have any questions or require any additional information, please contact me or Hack Conder at (575)393-2967.

Thank you.

Katie Jones  
Environmental Project Manager  
RICE Operating Company

**From:** Hansen, Edward J., EMNRD [<mailto:edwardj.hansen@state.nm.us>]  
**Sent:** Tuesday, August 27, 2013 4:22 PM  
**To:** Hack Conder  
**Cc:** Leking, Geoffrey R, EMNRD; Katie Jones; Laura Pena  
**Subject:** Further Delineation Required (AP-75) - ROC BD J-26 Site

**RE: Termination Request – Additional Information  
for the Rice Operating Company’s  
BD J-26 Site  
Unit Letter J, Section 26, T21S, R37E, NMPM, Lea County, New Mexico  
Further Delineation Required (AP-75)**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received the Rice Operating Company’s (ROC) Termination Request – Additional Information for the Abatement Plan (AP-75) for the BD J-26 Site, dated August 8, 2013. The above-referenced information, submitted in partial fulfillment of 19.15.30.19 NMAC (Part 30.19, formally, Rule 19.K), indicates that ROC has not met the requirements of

19.15.30.9 NMAC for this site. Therefore, the OCD hereby cannot approve the Request for above-referenced site:

ROC must further delineate for a possible chloride release near the site to the west. In addition, please submit a delineation report to the OCD within 180 days..

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen  
Hydrologist  
Environmental Bureau

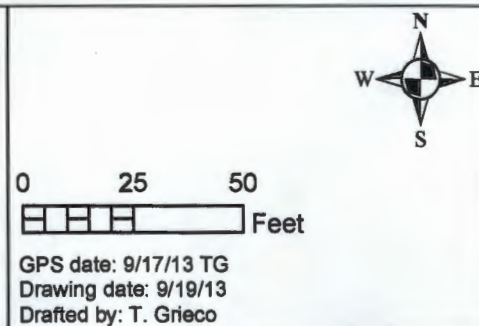


Legend		
	ELECTRIC POLE	FENCE
	SAMPLE POINT	OLD BERM
	TPOST	OVERHEAD ELECTRIC LINE
	MONITOR WELL	PAD/ROAD EDGE
	BURIED PIPELINE	ROC ACTIVE LINE
		ROC ABANDONED, PROJECTED
		FACILITIES DETAIL
		BD ROC FACILITIES
		BD BOXES



**BD**  
**J-26**  
 UL J SECTION 26  
 T-21-S R-37-E  
 LEA COUNTY, NM

NMOCD Case # : AP-75



September 17, 2013

Hack Conder  
Rice Operating Company  
112 W. Taylor  
Hobbs, NM 88240

RE: BD J-26

Enclosed are the results of analyses for samples received by the laboratory on 09/17/13 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

Rice Operating Company  
Hack Conder  
112 W. Taylor  
Hobbs NM, 88240  
Fax To: (575) 397-1471

Received: 09/17/2013  
Reported: 09/17/2013  
Project Name: BD J-26  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 09/16/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: PT. 1 @ SURFACE (H302244-01)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/17/2013	ND	416	104	400	3.77	

**Sample ID: PT. 1 @ 1' (H302244-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/17/2013	ND	416	104	400	3.77	

**Sample ID: PT. 1 @ 2' (H302244-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/17/2013	ND	416	104	400	3.77	

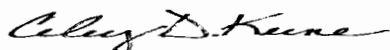
**Sample ID: PT. 1 @ 3' (H302244-04)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/17/2013	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Rice Operating Company  
Hack Conder  
112 W. Taylor  
Hobbs NM, 88240  
Fax To: (575) 397-1471

Received: 09/17/2013  
Reported: 09/17/2013  
Project Name: BD J-26  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 09/16/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: PT. 1 @ 4' (H302244-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	09/17/2013	ND	416	104	400	3.77	

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

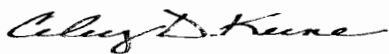
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

RUSH

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page 5 of 5

Company Name: <u>Rice</u>		P.O. #:		ANALYSIS REQUEST																							
Project Manager: <u>Hack Conder</u>		Company:		Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS																		
Address:		Attn:																									
City: Hobbs State: NM Zip: 88240		Address:																									
Phone #: Fax #:		City:																									
Project #: Project Owner:		State: Zip:																									
Project Name:		Phone #:																									
Project Location: <u>BD J-26</u>		Fax #:																									
Sampler Name: <u>Kyle Norman</u>																											
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX				PRESERV.	SAMPLING																		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
	H302244																										
	1	Pt 1 @ Surface	G 1			✓				✓			9-16-13	2:00	✓												
	2	Pt 1 @ 1'	G 1			✓				✓			"	2:05	✓												
	3	Pt 1 @ 2'	G 1			✓				✓			"	2:10	✓												
	4	Pt 1 @ 3'	G 1			✓				✓			"	2:13	✓												
	5	Pt 1 @ 4'	G 1			✓				✓			"	2:20	✓												

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Relinquished By: <u>[Signature]</u>	Date: <u>9-17-13</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <u>1:05</u>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results	
Delivered By: (Circle One)		Sample Condition	Knorman@rice-ecs.com	
Sampler - UPS - Bus - Other:		Cool Intact	Kjones@riceswd.com; jkamplain@rice-ecs.com	
		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	hconder@rice-ecs.com; Lweinheimer@rice-ecs.com	
		<input type="checkbox"/> No <input type="checkbox"/> No		

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

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