

AP - 75

**STAGE 1 & 2
REPORTS**

DATE:
9-19-13

Hansen, Edward J., EMNRD

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



SAMPLE POINT 1	
DEPTH	CI-
SURFACE	<16
1 FT	96
2 FT	384
3 FT	576
4 FT	944

Legend

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



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

NMOCD Case # : AP-75

GPS date: 9/17/13 TG
 Drawing date: 9/19/13
 Drafted by: T. Grieco

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.

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, SM4500CI-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, SM4500CI-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, SM4500CI-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		

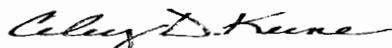
Sample ID: PT. 1 @ 3' (H302244-04)

Chloride, SM4500CI-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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Celey D. Keene, Lab Director/Quality Manager

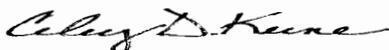
Notes and Definitions

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

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

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Relinquished By:	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	CHECKED BY:	Knorman@rice-ecs.com	
Sampler - UPS - Bus - Other:	Cool Intact		Kjones@riceswd.com; jkاملain@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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