

1R - 426-308

APPROVALS

YEAR(S):

2012

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, November 28, 2012 10:43 AM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Laura Pena (lpna@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R426-308) Termination - ROC BD M-29 EOL Site

**RE: Termination Request
for the Rice Operating Company's
BD M-29 EOL Site
Unit Letter M, Section 29, T22S, R38E, NMPM, Lea County, New Mexico
Remediation Plan (1R426-308) Termination**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received Rice Operating Company's report and request to close the above-referenced site, dated May 1, 2012 (received May 1, 2012) and additional information of November 26, 2012. The report is acceptable to the OCD.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Rice Operating Company has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R426-308) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Hansen, Edward J., EMNRD

From: Laura Pena <lpena@riceswd.com>
Sent: Monday, November 26, 2012 2:06 PM
To: Hansen, Edward J., EMNRD
Cc: Hack Conder; Katie Jones
Subject: BD M-29 EOL (1R426-308) Additional Delineation Soil Data and Laboratory Analysis
Attachments: H202744 RICE.pdf; BD M-29 EOL (1R426-308) Soil Data.xlsx; Reveg Form 11.13.12.pdf; BD M-29 EOL (1R426-308) Additional Delineation.pdf

Mr. Hansen,

Attached is the soil data and laboratory analysis for BD M-29 EOL (1R426-308), as requested.

On November 12, 2012, the site was delineated using a backhoe to collect soil samples at regular intervals, creating a 3x7x15-ft deep excavation. Beginning at 13 ft bgs, each sample was field titrated for chlorides and field screened for hydrocarbons using a PID, resulting in low concentrations of each. The 15-ft sample was sent to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of 128 mg/kg, a gasoline range organics (GRO) concentration below detectable limits and a diesel range organics (DRO) concentration of 12.1 mg/kg. The excavated soil was returned to the excavation and contoured to the surrounding area. On 11/13/2012, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Let Hack Conder, Katie Jones or me know if you have any questions or require any additional information.

Thank you,

Laura Peña
Environmental Project Scientist
RICE Operating Company



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

November 14, 2012

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

RE: BD M-29 EOL

Enclosed are the results of analyses for samples received by the laboratory on 11/12/12 16:23.

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,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

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: 11/12/2012
Reported: 11/14/2012
Project Name: BD M-29 EOL
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/12/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 15' (H202744-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/13/2012	ND	432	108	400	3.77	

TPH 8015M**mg/kg****Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/13/2012	ND	197	98.7	200	2.81	
DRO >C10-C28	12.1	10.0	11/13/2012	ND	205	102	200	5.59	

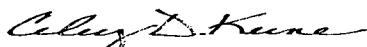
Surrogate: 1-Chlorooctane 86.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

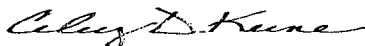
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Company Name: RICE		BILL TO		ANALYSIS REQUEST																		
Project Manager:		P.O. #:																				
Address:		Company:																				
City:	State:	Zip:	Attn:																			
Phone #:	Fax #:	Address:																				
Project #:	Project Owner:		City:																			
Project Name:		State: Zip:																				
Project Location: BD 11-29 ECL		Phone #:																				
Sampler Name:		Fax #:																				
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:
ADD 3744	151	(C)	1																			
<small>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 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 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.</small>																						
Relinquished By: <i>[Signature]</i>		Date: 11/12/12		Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS: Hack Corder Zach Corder Bruce Baker Laura Van Laura Pence Amy Ruth												
Time: 4:23		Time: 4:23		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																
Relinquished By:		Date:		Received By:																		
Time:																						
Delivered By: (Circle One)				Sample Condition				CHECKED BY:														
Sampler - UPS - Bus - Other:				Cool Intact				(Initials)														
				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				<i>[Signature]</i>														

BD M-29 EOL (1R426-308)

Unit Letter M, Section 29, T22S, R38E

Depth to GW: 124 ft

3	239	
4	310	
5	336	
6	307	
7	348	
8	212	
9	386	
10	353	
11	340	
12	225	384
13	334	
14	193	
15	115	128

BD M-29 EOL (1R426-308)

Unit Letter M, Section 29, T22S, R38E



Excavating to 15' bgs, facing south

11/12/2012



Collecting sample, facing north

11/12/2012



Backfilling vertical, facing east

11/12/2012



Seeding site, facing west

11/13/2012



PO Box 5630
Hobbs, NM 88241
Phone: (575) 393-4411
Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name: BD M-29 EOL						
U/L M	Section 29	Township T22S	Range R38E	County Lea	Latitude 32° 21.660' N	Longitude 103° 05.154' W
Contact Name: Zachary Conder						
Email: zconder@rice-ecs.com						
Site size: 30'x20'		600 square feet		Map detail of site attached <input type="checkbox"/>		
Additional information:						

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input checked="" type="checkbox"/>	Blended <input type="checkbox"/>	Depth (in):	
Texture: Sandy		Describe soil & subsoil: Blow sand and subsoil caliche			
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>	
Date completed: 11/7/2012					

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:	Describe:	
Lbs/acre:		

4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 1 lb Winter Rye, 1 lb Blue Grama	Seeding date: 11/13/2012
Broadcast <input checked="" type="checkbox"/>			
Method: Hand broadcast			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input type="checkbox"/>	Observations:		
Number of photos:			

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Eduardo Garcia	Title: Environmental Tech	Date: 11/13/2012
Signature: 