

1R - 427-122

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, April 03, 2013 2:50 PM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Laura Pena (lpena@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R427-122) Termination - ROC EME V-5 Site

**RE: Termination Request
for the Rice Operating Company's
EME V-5 Site
Unit Letter V, Section 5, T21S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-122) 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 March 21, 2013 (received March 27, 2013). The reports are 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 (1R427-122) 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

RICE *Operating Company*

112 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 9309

RECEIVED

March 21, 2013

MAR 2 2013

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Termination Request
EME V-5 (1R427-122): UL/V, Sec. 5, T21S, R36E
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the EME Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background

In 2001, ROC initiated work on the former V-5 junction box. The site is located in UL/V, Sec. 5, T21S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 150 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 8x8x8 ft deep excavation. Each sample was field titrated for chlorides. Representative samples were collected from the excavation sidewalls and bottom and sent to a commercial laboratory for analysis. The sidewalls sample resulted in a chloride concentration of 596 mg/kg, a gasoline range organics (GRO) concentration below detectable limits and a diesel range organics (DRO) concentration of 95.6 mg/kg. The bottom composite sample resulted in a chloride concentration of 116 mg/kg, a GRO concentration below detectable limits and a DRO concentration of 1,220 mg/kg. Both samples were analyzed for BTEX, resulting in concentrations below detectable limits throughout. A total for 12 cubic yards of excavated soil was properly disposed of at a NMOCD facility. A compacted clay liner was installed and the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. Vegetation has rebounded at the site, so no re-vegetation efforts are needed. Vegetation above the liner will act as an evapo-transpiration barrier that will also inhibit the downward migration of residual chlorides

and hydrocarbons. Plants capture water through their roots and so reduce the amount of water infiltrating below the root zone.

The junction box site location map, final report, laboratory analysis, disposal manifests and current photodocumentation are attached.

Recommendations

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.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,
RICE Operating Company

A handwritten signature in black ink, appearing to read 'H. Conder', with a long horizontal flourish extending to the right.

Hack Conder
Environmental Manager

enclosures

RECEIVED OGD
2013 MAR 27 P 2:17



Site Location Map

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471



Junction Box Report

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	V-5	V	5	21S	36E	LEA	Length 4'	Width 4'	Depth 3'

LAND TYPE: _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 150'-200' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 01/02/2001 Date Completed 01/02/2001 OCD Witness NONE

Soil Excavated 12 cubic yards Excavation length 8' Width 8' Depth 8' feet

Soil Disposed 12 cubic yards Offsite Facility Sundance Disposal Facility location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date January 2, 2001 Sample Depth 8' bgs

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

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.002	<0.002	<0.002	<0.006	<50	95.6	596
BOTTOM	<0.002	<0.002	<0.002	<0.006	<50	1220	116

General Description of Remedial Action: The junction box was removed from the main line. The main line is still active. All impacted soil was hauled off to the Sundance disposal facility and replaced with clean backfill. A compact clay barrier was installed followed by a junction box then backfilled.
All results did not exceed the NMOCD guidelines. Natural attenuation will remediate the remaining hydrocarbons.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Cl
SIDEWALLS	4'-8' bgs	500 ppm
BOTTOM	8' bgs	75 ppm

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

DATE January 2, 2001 PRINTED NAME Chris Rodriguez
SIGNATURE Chris Rodriguez TITLE ENVIRONMENTAL TECHNICIAN



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 01/02/01
Reporting Date: 01/04/01
Project Number: NOT GIVEN
Project Name: V-5 SIDES & BOTTOM
Project Location: ULV SECTION 5-T21-R36

Sampling Date: 01/02/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: B C
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		01/03/01	01/03/01	01/04/01
H5489-1	V-5 BOTTOM	<50	1220	116
H5489-2	V-5 SIDES	<50	95.6	596
Quality Control		891	957	1004
True Value QC		1000	1000	1000
% Recovery		89.1	95.7	100
Relative Percent Difference		3.5	5.3	7.2

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI*: Std. Methods 4500-CI'B

*Analyses performed on 1:4 w:v aqueous extracts.

Burgess J. Cooke
Chemist

1/4/01
Date

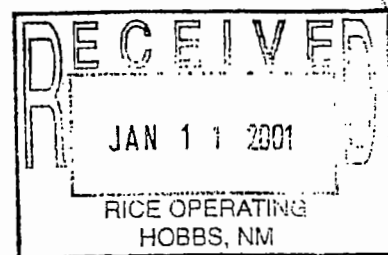
H5489A.XLS
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed 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.



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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JAMES STURGILL
122 W. TAYLOR
HOBBS, NM 88240
FAX TO:

Receiving Date: 01/02/01
Reporting Date: 01/05/01
Project Number: V-5 SIDES AND BOTTOM
Project Name: V-5 SIDES AND BOTTOMS
Project Location: ULV SECTION 5 T21 R36

Sampling Date: 01/02/01
Sample Type: SOIL
Sample Condition: COOL, INTACT
Sample Received By: BC-HOBBS
Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/04/01	01/04/01	01/04/01	01/04/01
H5489-1	V-5 BOTTOM	<0.002	<0.002	<0.002	<0.006
H5489-2	V-5 SIDES	<0.002	<0.002	<0.002	<0.006
Quality Control		0.092	0.096	0.087	0.262
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		92	96	87	87
Relative Percent Difference		4.9	2.8	2.4	2.3

METHOD: EPA SW 846-8020, 5030, Gas Chromatography


Chemist

1-5-01
Date

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.

H5489SHOBBSRICEBTEXONLY

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page of

ANALYSIS REQUEST																													
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Company Name: Rice Operating Company</p> <p>Project Manager: James Stuegg</p> <p>Address: 122 W. Taylor</p> <p>City: Hobbs State: NM Zip: 88240</p> <p>Phone #: 343-9174 Fax #:</p> <p>Project #: V-5 sides and Bottoms</p> <p>Project Name: V-5 Sides and Bottoms</p> <p>Project Location: UHV Section 5 T 21 R 36</p> <p>Sampler Name: James Stuegg</p> </div> <div style="width: 50%;"> <p>P.O. #:</p> <p>Company:</p> <p>Attn:</p> <p>Address:</p> <p>City:</p> <p>State: Zip:</p> <p>Phone #:</p> <p>Fax #:</p> </div> </div>																													
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>FOR LAB USE ONLY</p> <p>Lab I.D. Sample I.D.</p> <p>1584-1 V-5 Bottom</p> <p>-2 V-5 sides</p> </div> <div style="width: 50%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">MATRIX</th> <th>PRESERV</th> <th>SAMPLING</th> </tr> <tr> <th>(G) RAB OR (C) COMP.</th> <th># CONTAINERS</th> <th>GROUNDWATER</th> <th>WASTEWATER</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>SLUDGE</td> <td>OTHER:</td> </tr> <tr> <td></td> <td></td> <td>CRUDE OIL</td> <td>ICE / COOL</td> </tr> <tr> <td></td> <td></td> <td>ACID / BASE</td> <td>OTHER:</td> </tr> </tbody> </table> <p>DATE 11/21/01</p> <p>TIME</p> </div> </div>										MATRIX		PRESERV	SAMPLING	(G) RAB OR (C) COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER			SLUDGE	OTHER:			CRUDE OIL	ICE / COOL			ACID / BASE	OTHER:
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<p>Sampler Relinquished: James Stuegg Date: 11/22/01</p> <p>Relinquished By: [Signature] Time: 4:00</p> <p>Received By: (Lab Staff) [Signature] Date: 11/22/01 Time: 4:00</p> <p>Delivered By: (Circle One) <input checked="" type="checkbox"/> Sampler - UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:</p>																													
<p>REMARKS:</p>																													

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

Sundance Services, Inc.P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NC 36866

LEASE OPERATOR/SHIPPER/COMPANY: ACELEASE NAME: FAIRJECT V-5 692TRANSPORTER COMPANY: RVE

TIME:

AM/PM

DATE: 1-23-01VEHICLE NO.: 1000

DRIVER NO.:

CHARGE TO: Rice**TYPE OF MATERIAL**☐ Production Water☐ Drilling Fluids☐ Completion Fluids☐ Tank Bottoms☐ Contaminated soil☐ C-117 No.:☐ Other Material:☐ BS&W Content: _____Description: oil/dirtVOLUME OF MATERIAL ☐ BBLs. _____ :☒ YARD 12 :☐ _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Luis S. Ochoa

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White-Sundance Canary-Sundance Acct#1 Pink-Sundance Acct#2 Gold-Transporter
Revised 12/27/95



Current Photodocumentation

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

UL/V, Section 5, T21S, R36E

A wide-angle photograph of a desert landscape under a clear blue sky. The foreground is filled with sparse, low-lying shrubs and dry grass on sandy soil. In the distance, several oil pumpjacks are visible on the horizon line.

3/15/2013



3/15/2013