# 1R - 427 - 108

## APPROVALS

## YEAR(S):



#### Hansen, Edward J., EMNRD

From: Sent:	Hansen, Edward J., EMNRD Wednesday, March 27, 2013 10:21 AM
То:	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)</kjones@riceswd.com>
Subject:	Remediation Plan (1R427-108) Termination - ROC EME J-9 Site

#### RE: Termination Request for the Rice Operating Company's EME J-9 Site Unit Letter J, Section 9, T20S, R37E, NMPM, Lea County, New Mexico Remediation Plan (1R427-108) 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 8, 2013 (received March 13, 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 (1R427-108) 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 9279

#### March 8, 2013

RECEIVED

Mr. Edward Hansen New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87505 MAR 1 3 2013

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

RE: Termination Request EME J-9 (1R427-108): UL/J, Sec. 9, T20S, R37E 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 J-9 junction box. The site is located in UL/J, Sec. 9, T20S, R37E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 25 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 10x11x5 ft deep excavation. Each sample was field titrated for chlorides, resulting in low chloride concentrations. Representative samples were collected from the excavation walls and excavation bottom and sent to a commercial laboratory for analysis. The sidewall sample resulted in a chloride concentration of 120 mg/kg and gasoline range organics (GRO) and diesel range organics (DRO) concentrations below detectable limits. The bottom composite sample resulted in a chloride limits and a DRO concentration of 124 mg/kg. Both samples were also analyzed for BTEX, resulting in concentrations below detectable limits throughout.

A total of 12 cubic yards of excavated soil was properly disposed of at an NMOCD approved 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. A new, watertight junction was installed and has since been eliminated.

The junction box site location map, final report, laboratory analysis, disposal manifest 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.

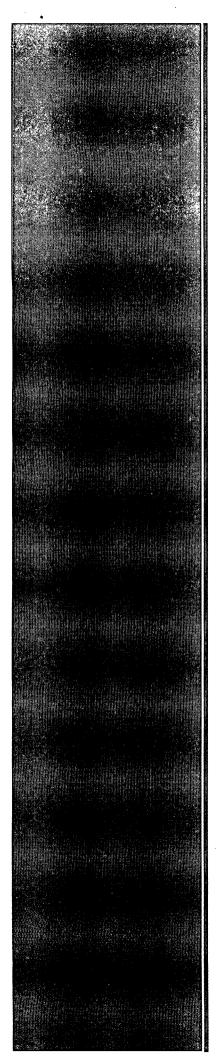
Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

RECEIVED OCD

Sincerely, RICE Operating Company

Hack Conder Environmental Manager

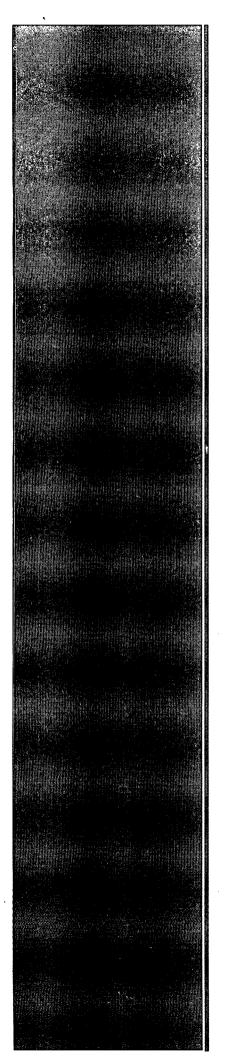
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## Site Location Map

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 LOC/	and the second se				
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY		DIMENSIONS	- FEET
EME	J-9	J	9	205	37E	LEA	Length 8'	Width 7'	Depth 5'
LAND TYPE: E	BLM	STATE	FEE LA	NDOWNER	SW C	ATTLE CO	OTHE	R	
Depth to Grour	ndwater	25	feet	NMOCD	SITE ASS	ESSMENT	RANKING	SCORE:	20
Date Started	02/15/	2001	_ Date Co	mpleted	02/15/2001		Witness	N	0
Soil Excavated	12	cubic ya	ards Exc	cavation Ler	ngth <u>10</u>	Width	11	Depth	<u>    5     </u> 1
Soil Disposed	12	cubic ya	ards Of	fsite Facility	Sund	lance	Locatio	n <u>Eur</u>	lice, NM
NAL ANALY	TICAL R	ESULT	S: Sampl	e Date	02/15/2	.001	Sample D	Depth	5'
P	rocure 5-poir BTEX and (		boratory test	results comp	pleted by us	ing an appri			
			procedures	pursuant to	NMOCD gu	idelines.			
Sample							the second s		
	Benzene ma/ka		ſ	thyl Benzene ma/ka	Total Xylen		RO J/kg	DRO ma/ka	Chlorides ma/ka
Location	mg/kg	m	g/kg	thyl Benzene mg/kg <0.005	Total Xylen mg/kg <0.015	m	g/kg	mg/kg	mg/kg
	mg/kg	m <0	ſ	mg/kg	mg/kg				
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I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE	February 15, 2001		Chris Rodriguez	
SIGNATURE_	Chris Lochigee	TITLE	Environmental Technician	



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

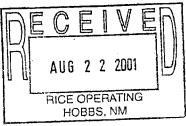
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 02/15/01 Reporting Date: 02/19/01 Project Number: J-9 BOTTOM & SIDES Project Name: J-9 BOX-SIDES AND BOTTOM Project Location: UJ-SEC9-T20-R37 Sampling Date: 02/15/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: GP Analyzed By: BC/AH

	GRO	DRO	
	· (C <sub>6</sub> -C <sub>10</sub> )	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DATE	02/15/01	02/15/01	02/16/01
H5620-1 J-9 SIDES	<50	<50	120
H5620-2 J-9 BOTTOM	<50	124	299
Quality Control	728	778	1051
True Value QC	800	800	1000
% Recovery	91.0	97.3	105
Relative Percent Difference	2.3	2.5	6.8

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B \*Analyses performed on 1:4 w:v aqueous extracts.



H5620A.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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LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE	02/15/01	02/15/01	02/15/01	02/15/01
H5620-1	J-9 SIDES	< 0.005	<0.005	<0.005	<0.015
H5620-2	J-9 BOTTOM	< 0.005	<0.005	<0.005	< 0.015
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Quality Cont	trot	0.111	0.102	0.107	0.317
True Value		0.100	0.100	0.100	0.300
% Recovery		111	102	107	106
Relative Per	cent Difference	1.6	8.8	7.3	7.1

METHOD: EPA SW-846 8260

2001 F FB 2 1 RICE OPERATING HOBBS, NM

Date

PLEASENCIE: 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.

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

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Project Manager: $T_A mess Study illP.O. #:Address:I22 W Try betCompany: LICECity:Nables State: MII Zip: 88240 Attn:Phone #:(505) 3939174 Fax #:Project #:J-9 Bet Tam + 5: des mud Bet TamProject Name:J-9 Bet Tam + 5: des mud Bet TamProject Location:U-T - Sec 9 - T20 - R 3?Project Location:U-T - Sec 9 - T20 - R 3?Project Location:U-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project Location:V-T - Sec 9 - T20 - R 3?Project With NoncoresV-T + Sec 9 - T20Project With NoncoresV-T + Sec 9 - T20Project Project Location:V-T + Sec 9 - T20Project Project Location:V-T + Sec 9 - T20Project Project Location:V-T + Sec 9 - T20Project Project Pro$	1		T	UES	REC	YSIS	NAL	A		· · · · ·						Ĩ			,					Company Name:
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T Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

	Sundance Services, In P.O. Box 1737 ★ Eunice, NM 88231 (505) 394-2511		
LEASE OPERATOR/SHIP	PER/COMPANY:	1-9	?
LEASE NAME:	4FE-692		
TRANSPORTER COMPAN		TIME:	A
DATE:	VEHICLE NO.:	DRIVER NO.:	
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[] Production Water	TYPE OF MATERIAL [ ] Drilling Fluids [ ] Contaminated soil	(	ids
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### **Current Photodocumentation**

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

**EME J-9** UL/J, Section 9, T20S, R37E



Facing north

2/18/2013



Facing east

2/18/2013