1R - 425-16

APPROVALS

YEAR(S):

2012

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Tuesday, May 08, 2012 2:39 PM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Laura Pena (lpena@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R425-16) Termination - ROC Vacuum F-30 Site

RE: Termination Request
for the Rice Operating Company's
Vacuum F-30 Site
Unit Letter F, Section 30, T17S, R35E, NMPM, Lea County, New Mexico
Remediation Plan (1R425-16) 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 April 17, 2012 (received April 20, 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 (1R425-16) 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*
122 West Taylor • Hobbs, New Mexico 88240
Phone: (575) 393-9174 • Fax: (575) 397-1471

April 17, 2012

RECEIVED
APR 20 2012
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

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

RE: Termination Request
Vacuum F-30 (1R425-16): UL/F, Sec. 30, T17S, R35E
RICE Operating Company – Vacuum SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the abandoned Vacuum 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 2005, ROC initiated work on the former F-30 junction box as part of the system abandonment. The site is located in UL/F, Sec. 30, T17S, R35E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 130 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating an 8x3x8-ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in low concentrations of each. The 8-ft sample was sent to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of 172 mg/kg, and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 12/7/2005, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. The junction box final report, photo documentation, laboratory analysis, and PID sheet 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

Hack Conder
Environmental Manager

enclosures

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	F-30	F	30	17S	35E	Lea	eliminated (SWD system abandoned)		

LAND TYPE: BLM ____ STATE X FEE LANDOWNER ____ OTHER ____

Depth to Groundwater 130 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/14/2005 Date Completed 7/26/2005 NMOCD Witness no

Soil Excavated 7 cubic yards Excavation Length 8 Width 3 Depth 8 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: **Sample Date** 7/13/2005 **Sample Depth** 8 ft

TPH and chloride laboratory test results completed by using an approved laboratory and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
GRAB @ 8 ft BGS	0.2	<10.0	<10.0	172

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
background	0.5	69
vertical trench at junction	2	147
	3	140
	4	142
	5	142
	6	231
	7	253
	8	207

General Description of Remedial Action:

This junction was eliminated with the Vacuum SWD System Abandonment. The box was removed and the location was delineated using a backhoe to excavate an 8-ft-deep trench at the junction site. Chloride field tests and PID screenings were performed on every vertical foot of soil samples from 2-8 ft. Chloride concentrations were all very low, peaking at 231 ppm on the 6-ft sample. All PID screenings were also low and TPH concentrations from the laboratory were non-detect (10.0 ppm). The soil samples did not exhibit any physical indications of hydrocarbon or salt impact and the location was surrounded by healthy native vegetation. The excavated soils were backfilled into the trench and contoured to the surrounding surface.

enclosures: photos, lab results, PID field screenings

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Jorge Hernandez SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 9/1/2005 TITLE Project Scientist

Vacuum jct. F-30

undisturbed junction box 6/23/2005

delineation trench at former box site 7/14/2005

backfilling trench 7/26/2005

seeding backfilled site 12/7/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Project: Vacuum Jct. F-30
Project Number: None Given
Location: None Given

Lab Order Number: 5G14005

Report Date: 07/19/05

Rice Operating Co.	Project: Vacuum Jct. F-30	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/19/05 10:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Grab Sample@ 8"	5G14005-01	Soil	07/13/05 14:35	07/14/05 08:00

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Rice Operating Co.	Project: Vacuum Jct. F-30	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/19/05 10:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Grab Sample@ 8" (5G14005-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG51409	07/14/05	07/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*87.2 %*	*70-130*		"	"	"	"	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/19/05 10:44

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Grab Sample@ 8" (5G14005-01) Soil									
Chloride	**172**	5.00	mg/kg	10	EG51904	07/18/05	07/18/05	EPA 300.0	
% Moisture	**1.4**	0.1	%	1	EG51505	07/14/05	07/15/05	% calculation	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/19/05 10:44

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG51409 - Solvent Extraction (GC)										
Blank (EG51409-BLK1)				Prepared & Analyzed: 07/14/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.0*		*mg/kg*	*50.0*		*72.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.6*		"	*50.0*		*71.2*	*70-130*			
LCS (EG51409-BS1)				Prepared & Analyzed: 07/14/05						
Gasoline Range Organics C6-C12	381	10.0	mg/kg wet	500		76.2	75-125			
Diesel Range Organics >C12-C35	389	10.0	"	500		77.8	75-125			
Total Hydrocarbon C6-C35	770	10.0	"	1000		77.0	75-125			
Surrogate: 1-Chlorooctane	*39.6*		*mg/kg*	*50.0*		*79.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.4*		"	*50.0*		*70.8*	*70-130*			
Calibration Check (EG51409-CCV1)				Prepared & Analyzed: 07/14/05						
Gasoline Range Organics C6-C12	421		mg/kg	500		84.2	80-120			
Diesel Range Organics >C12-C35	445		"	500		89.0	80-120			
Total Hydrocarbon C6-C35	866		"	1000		86.6	80-120			
Surrogate: 1-Chlorooctane	*57.5*		"	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.2*		"	*50.0*		*100*	*70-130*			
Matrix Spike (EG51409-MS1)		**Source: 5G13011-08**		Prepared & Analyzed: 07/14/05						
Gasoline Range Organics C6-C12	486	10.0	mg/kg dry	548	ND	88.7	75-125			
Diesel Range Organics >C12-C35	573	10.0	"	548	43.2	96.7	75-125			
Total Hydrocarbon C6-C35	1060	10.0	"	1100	43.2	92.4	75-125			
Surrogate: 1-Chlorooctane	*44.6*		*mg/kg*	*50.0*		*89.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.9*		"	*50.0*		*87.8*	*70-130*			
Matrix Spike Dup (EG51409-MSD1)		**Source: 5G13011-08**		Prepared & Analyzed: 07/14/05						
Gasoline Range Organics C6-C12	551	10.0	mg/kg dry	548	ND	101	75-125	12.5	20	
Diesel Range Organics >C12-C35	538	10.0	"	548	43.2	90.3	75-125	6.30	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1100	43.2	95.2	75-125	2.79	20	
Surrogate: 1-Chlorooctane	*52.8*		*mg/kg*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.6*		"	*50.0*		*83.2*	*70-130*			

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	07/19/05 10:44

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG51505 - General Preparation (Prep)										
Blank (EG51505-BLK1)				Prepared: 07/14/05 Analyzed: 07/15/05						
% Moisture	ND	0.1	%							
Duplicate (EG51505-DUP1)	Source: 5G14002-01			Prepared: 07/14/05 Analyzed: 07/15/05						
% Moisture	11.0	0.1	%		9.5			14.6	20	
Batch EG51904 - Water Extraction										
Blank (EG51904-BLK1)				Prepared & Analyzed: 07/19/05						
Chloride	ND	0.500	mg/kg							
Blank (EG51904-BLK2)				Prepared & Analyzed: 07/19/05						
Chloride	ND	0.500	mg/kg							
LCS (EG51904-BS1)				Prepared & Analyzed: 07/18/05						
Chloride	11.1		mg/L	10.0		111	80-120			
LCS (EG51904-BS2)				Prepared & Analyzed: 07/19/05						
Chloride	10.5		mg/L	10.0		105	80-120			
Calibration Check (EG51904-CCV1)				Prepared & Analyzed: 07/18/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Calibration Check (EG51904-CCV2)				Prepared & Analyzed: 07/18/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Duplicate (EG51904-DUP1)	Source: 5G14002-01			Prepared & Analyzed: 07/18/05						
Chloride	139	5.00	mg/kg		138			0.722	20	

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122 W. Taylor	Project Number: None Given	Reported:
Hobbs NM, 88240	Project Manager: Roy Rascon	07/19/05 10:44

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG51904 - Water Extraction										
Duplicate (EG51904-DUP2)	**Source: 5G15012-08**		Prepared & Analyzed: 07/18/05							
Chloride	81.3	5.00	mg/kg		97.5			18.1	20	

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Rice Operating Co.	Project: Vacuum Jct. F-30	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	Reported:
Hobbs NM, 88240	Project Manager: Roy Rascon	07/19/05 10:44

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 7-19-05

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy Rascon
Company Name: Rice Operating Company
Company Address: 122 W Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: 505-393-9174 Fax No: 505-397-1471
Sampler Signature: Jaye Hernandez

Project Name: Vacuum Sct F-30
Project #:
Project Loc: Sct F-30
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: / CL /	Analyze For: TOTAL: / CL /	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	EC, CEC, SAR, ESP	Major cations/anions, TDS	RUSH TAT (Pre-Schedule)	Standard TAT
56406	Grab Sample @ 8"	7-13-05	2:35	1	X									X		X				X								

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: -1.0°C

4oz glassonice w/labels + seals container + cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Jaye Hernandez	7-13-05	3:45		7/13/05	1810
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	7/14	8:00	Jeanne McMurray	7-14-05	0800

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Rice Op.

Date/Time: 7/14/05

Order #: 5G14005

Initials: CK CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	-1.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample labels?	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

Regarding:

Corrective Action Taken:

Rice Operating Company

HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

COPY

MODEL NO: PGM 76IS
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE AIR

LOT NO: 04-2747
EXP. DATE: 8-1-06
METER READING
ACCURACY: 100

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 2-1-05
ACCURACY: I 2%

SYSTEM	JUNCION	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	F-30	F	30	17S	35E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source @ 2'	3.9		
3'	1.3		
4'	0.1		
5'	0.5		
6'	0.3		
7'	0.7		
8'	0.2		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Signature [signature]

Date 2-14-05