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APPROVALS

YEAR(S):

20/2

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD

Sent: Wednesday, July 11, 2012 2:44 PM
To: Hack Conder (hconder@riceswd.com)

Cc: Leking, Geoffrey R, EMNRD; Laura Pena (Ipena@riceswd.com); Lara Weinheimer

(lweinheimer@rice-ecs.com); Scott Curtis (scurtis@riceswd.com)

Subject: Remediation Plan (1R425-71) Termination - ROC Vacuum Marathon McAlister EOL Site

RE: Termination Request

for the Rice Operating Company's Vacuum Marathon McAlister EOL Site Unit Letter M, Section 25, T17S, R34E, NMPM, Lea County, New Mexico Remediation Plan (1R425-71) 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 June 1, 2012 (received June 7, 2012) and additional photo-documentation received June 22, 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 (1R425-71) 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

RECEIVED

JUN - 7 2012

RICE Operating Company

122 West Taylor • Hobbs, New Mexico 88240 Phone: (575) 393-9174 • Fax: (575) 397-1471

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

CERTIFIED MAIL RETURN RECEIPT NO. 7007 2560 0000 4569 8593

June 1, 2012

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 Marathon McAlister EOL (1R425-71): UL/M, Sec. 25, T17S, R34E 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 Marathon McAlister EOL junction box as part of the system abandonment. The site is located in UL/M, Sec. 25, T17S, R34E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 95 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 5x3x15-ft deep excavation. The site could not be excavated any large due to site being located near a battery and a lease road. Chloride field tests were performed on each sample which yielded some elevated concentrations. Organic vapors were measured using a PID, which yielded low concentrations. The excavated soil was returned to the excavation to ground surface. Clean, imported soil was used as a top cap and to contour the site to the surrounding area. On 5/29/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

To further investigate the depth of chloride presence, a soil bore was initiated on 2/9/2009 at the former junction box site. The boring was advanced to 30 ft BGS with soil samples collected every 5 ft. The 20 and 30 ft samples were sent for laboratory analysis, resulting in a chloride concentration of 352 mg/kg and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits at 20 ft BGS. The 30 ft sample resulted in a chloride concentration of 272 mg/kg, a GRO concentration below detectable limits, and a DRO concentration of 31.5 mg/kg. The junction box final report, photo documentation, laboratory analysis, PID sheet and boring log 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

Г	SWD SYSTEM	JUNCTION.	UNIT	SECTION	TOWNSHIP		COUNTY	E POVI	DIMENSIONS - FE	CT.
r	Vàcuum	Marathón	"M"	25	175	34E		Length		Depth
L	vacquiii	McAister EOL	: 101		1. 1/3	, , , 4 =	Lea		· eliminaled	
,Î	ÄÑD TYPE: (BL:M	STATE X	FEELA	NDOWNER	į		OTHER		
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NA	ÂNĂĹŶŢ	ICAL RE	SULTS:	Sami	ole Date	2/9/200	à:	Sample D	noth 20.f	t, 30 ft
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TPH :	and Chloride la					proved lab ar	nd.	CHLO	RIDE FIELD TE	STS:
	testi	uð broceánu	es pursuan	t to NMOCD	guidelines.			क्र 'फर'	okumestuani oom	-,,(,=,
	Sample.	PID (fie	eld).	GRO I	DRO:	Chloride	/B B	LOCATION	DEPTH	mg/k
OIL	ORING #1 @	20' 0.0		10.0	mg/kg :<10.0	mg/kg			3'	.269
	ORING #1 @			10.0	31.5	272	-1		4'	369
				7-1 7-1					5'	381
nera	il Description	of Remedia	il Action:	This junction	in was addre	ssed during th	iè		6'	-680
cuúŋ	SWD System	abanconmen	t. The form	ier junction bo	x was invest	igation using	a.		7'	.982
ckhoe	to collect soil s	amples at re	gular interva	ils The overa	all junction bo	x excavation	,	vertical	18	855
d dim	ensions of 5x3	(15-ft deep. //	The site cou	ld not be exca	avậted any la	rger due to th	e	delineation	9'	.765
ation	being near a b	ittery and a le	ase road. (Chloride field (tests were pe	rformed on ea	ach.	trench at the	10"	7.99
mple.	which yielded e	levated conce	entrations.	Organic vapor	s were meas	ured using a	PID	(source)	1.1	598
ich y	elded low conc	entrations. Ti	hé excavate	d soil was ret	urned to the	excavation an	d.,		12'	766
	nported soil wa				,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			13'	145
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	EPORT EMBLED BY'	1. Walled 12.2	oc.	INITIAL	(_)					

Vacuum Marathon McAlister EOL



excavation at the former junction box





seeding the backfilled site

5/29/2008

Unit M, Section 25, T17S, R34E



backfilling the excavation

5/28/2008



soil boring the former junction box site

2/9/2009



MAR 03 2009 RICE OPERATING

HOBBS, NM

ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: HACK CONDER 122 W. TAYLOR

HOBBS, NM 88240 FAX TO: (575) 397-1471

Receiving Date: '02/10/09 Reporting Date: 02/27/09** Project Owner: NOT GIVEN

Project Name: VACUUM MARATHON MCALISTER

Project Location: NOT GIVEN

Sampling Date: 02/09 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ZL Analyzed By: AB/HM

•	GRO	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS DATE	02/10/09	02/10/09	02/10/09
H16863-1 SB.#1'@:20'	<10.0	<10.0	352
H16863-2 SB #2 @ 30	<10:0	31.5	272
Annual control and an anti-control and an annual control and an analysis of the section of the s		<u> </u>	
Quality Control	549	562	500
True Value QC	500	500	500
% Recovery	110	112	100
Relative Percent Difference	3.0	7.1	2.0

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

Revised Report.

Chemist

ARDINAL LABORATORIE

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL 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

Company Name	Project Manager: MACIE CONDETE					ANALYSIS REQUEST																			
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d Cardinal cannot accept verbal changes: Please fax written changes to 505-393-2476

De la	Logger:		Tony Grieco	Client:	917	Well ID:
	Driller:	На	rrison & Cooper, Inc. Drilling	RICE Operating C	company	4
Drilling Method:			Air rotary	Project Name:		
Start Date:			2-9-09	Vacuum Marathon N	1cCallister	
	End Date: 2-9-09			Location:		SB - 1
Lo	The state of the s		f the former junction box site $W = 97 \text{ ft}$	Vacuum SWD : unit 'M' Sec.25 T1 Lea County,	7S, R34E	
Depth (feet)	chloride field tests	PID	Description	Lithology	The second second second second	oil Bore estruction
15	282	0	15 - 30 ft VERY FINE TO FINE SAND			bentonite
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DRO GRO	352 <10/<10					seal
25	336	0				
30	279	0				
Lab CI-	272					
DRO	31.5/<10					

RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240 PHONE: (575) 393-9174 FAX: (575) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM

SERIAL NO: 590-000183

MODEL: PGM 7300

CK

MODEL	V .	MODEL: PGM 7	•	IAL NO: 590-00					
NQ.		MODEL: PGM 7		SERIAL NO: 110-12383					
		MODEL: PGM 7	600 SER	IAL NO: 110-02	920 (5 (ſ		
	G	AS COMPOSITION: 150	BUTYLENE	100PPM / AIR::BA	ALANGE				
LOT NO:			EXPIRATIO		9-11-09				
FILL DAT	E:		METER RE	ADING ACCUR	ACY: 100.	0			
ACCURAC	Y: +/- 2%								
SYST	EM	SITE	UNIT	SECTION	TOWNS	SHIP R	ANGE		
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RICE OPERATING COMPANY

1.22 West Taylor Hobbs, NM 88240 PHONE: (505) 393-9174 FAX: (505) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM



MODEL NO: PGM 761S SERIAL #104412

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BÂLANCE

LOT NO : 04-2747	EXPIRATION DATE: 6-1-06
FILL DATE: 2-1-05	METER READING ACCURACY: 1'00.5

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	MARATHON McCALISTER EOL	M	25	17S	34E

SAMPLE ID.	PID	SAMPLE ID	PID
Ì'		13'	:0
2 ⁱ			
.3'	46:		-
4'	0.01		
5'	70.01	·	
<u>.</u>	0.01	:	
7'	₹0.Ó1		
:8'.	.0.01		
9'	0.01		
10'	0.01		
11	·0.01		
12	0.01		

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual:

ŠÍGNÄŤHRE:

DATE: 9-8-05

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240 PHONE: (505) 393-9174 FAX: (505) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM



MODEL: PGM 7600 SERIAL # 110-013744

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

	. ,	·
LOT NO: 07-3353		EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07		METER READING ACCURACY: 100.0

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	MARATHON McCALISTER EOL	M	25	17S	35E

SAMPLEID	PID	SAMPLEMD	PID
VERT @ SOURCE @ 13	0		
14'	(Ó):		
15"	0		

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

SIGNATURE.

DATE: 5-22-08

Hansen, Edward J., EMNRD

From: Laura Pena < lpena@riceswd.com>

Sent: Friday, June 22, 2012 3:48 PM

To: Hansen, Edward J., EMNRD

Cc:Hack ConderSubject:ROC - Vacuum Marathon McAlister EOL (1R425-71) Photo Documentation

Attachments: Vacuum Marathon McAlister EOL (1R425-71) Photo Documentation.pdf

Mr. Hansen,

Attached is the photo documentation for the Vacuum Marathon McAlister EOL (1R425-71) site as requested.

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

Thank you,

Laura Peña Environmental Project Scientist RICE Operating Company

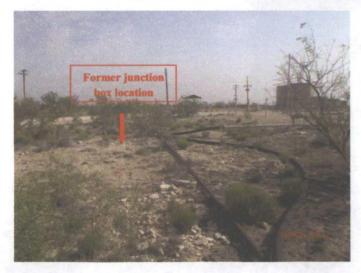
Vacuum Marathon McAlister EOL (1R425-71) Unit M, Section 25, T17S, R35E







Facing west 9/8/2005







Facing west 6/6/2012