1R - 426 - 04

# WORKPLANS



#### Rice Environmental Consulting & Safety

P.O. Box 5630 Hobbs, NM 88241

Phone 575.393.4411 Fax 575.393.0293

#### CERTIFIED MAIL RETURN RECEIPT NO. 7007 2560 0000 4569 9439

May 18<sup>th</sup>, 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: Corrective Action Plan (CAP) Rice Operating Company – EME SWD System BD M-26-1 (1R426-04): UL/M sec. 26 T21S R37E

Mr. Hansen:

RICE Operating Company (ROC) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site in the BD Salt Water Disposal (SWD) system. ROC is the service provider (agent) for the BD 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.

1 KW 22

ą

The site is located approximately 1 mile northeast of Eunice, New Mexico at UL/M sec. 26 T21S R37E as shown on the Site Location Map (Figure 1). Groundwater sampling at the site indicates that groundwater is located at 46 ft bgs.

#### **Background and Previous Work**

In 2003, ROC initiated work on the former BD M-26-1 junction box. The site was delineated using a backhoe to form a 30 ft x 30 ft x 12 ft deep excavation and soil samples were screened at regular intervals for both hydrocarbons and chlorides. From the excavation, the four-wall composite, the bottom composite and the remediated backfill were taken to a commercial laboratory for analysis. Laboratory tests of the four-wall composite showed a chloride reading of 1,900 mg/kg, negligible gasoline range organics (GRO) and diesel range organics (DRO), and negligible BTEX. The bottom composite showed a chloride laboratory reading of 851 mg/kg, a GRO reading of 114 mg/kg, and a DRO reading of 867 mg/kg. BTEX for the bottom composite showed negligible benzene and toluene, an ethyl benzene reading of 0.334 mg/kg, and a total xylenes reading of 0.674 mg/kg. A 20-mil poly liner was placed at the bottom of the excavation, and the excavated soil was blended on site and backfilled over the liner. Laboratory analysis of the remediated backfill showed a chloride reading of 248 mg/kg, a GRO reading of 248 mg/kg, a GRO reading of 26 mg/kg, and a DRO reading of 324 mg/kg. The BTEX reading for the

backfill showed negligible benzene, toluene, and ethyl benzene. Total xylenes showed a reading of 0.070 mg/kg.

The area was contoured to the surrounding landscape and seeded. NMOCD was notified of potential groundwater impact on March 17<sup>th</sup>, 2003, and a junction box disclosure report was submitted to NMOCD with all the 2003 junction box closures and disclosures.

As part of the Investigation and Characterization Plan (ICP) approved by NMOCD on May 19<sup>th</sup>, 2011, seven soil bores (SB-1 through SB-7) were advanced through the former junction box site on May 23<sup>rd</sup>, May 24<sup>th</sup>, and June 6<sup>th</sup>, 2011. RECS personnel field tested the soil for chlorides and screened in the field with a photo-ionization detector (PID) for hydrocarbons. Representative samples from the bores were taken to a commercial laboratory for confirmation of chloride and hydrocarbon field numbers. SB-1, SB-2 and SB-5 had low laboratory chloride readings which tapered off (below 250 mg/kg) prior to reaching the capillary fringe. SB-3, SB-4, SB-6 and SB-7 had laboratory chloride readings which indicated that chlorides may have affected the groundwater beneath the site. GRO readings in all seven bores were non-detect and DRO readings were low.

On October 25<sup>th</sup>, 2011, a near-source monitor well was installed 18 ft southeast of the former junction box site to determine if groundwater beneath the site has been affected by residual chlorides. The monitor well was not sampled as it was installed.

On November 17<sup>th</sup>, 2011, a Report of Further Investigation was submitted to NMOCD, and was approved on November 22<sup>nd</sup>, 2011. In the report, RECS recommended that the monitor well be sampled quarterly to evaluate groundwater for possible chloride impacts from the site. If groundwater showed impact from residual chlorides, a groundwater remedy would be developed to address these concerns. If the monitor well indicated no impact to groundwater from the site, ROC would submit a Corrective Action Plan that would address the vadose zone only.

Two surface samples were taken 10 feet outside SB-6 and SB-7 (Figure 2) on May 4<sup>th</sup>, 2012. The surface sample 10 feet east of SB-6 returned laboratory results of non-detect for chlorides, GRO and DRO. The surface sample 10 ft west of SB-7 showed a chloride laboratory reading of 48 mg/kg and GRO and DRO readings of non-detect (Appendix A).

#### **Corrective Action Plan**

ROC proposes to excavate the site to the dimensions of 49 ft x 67 ft with the southwest corner angled to remain a safe distance from nearby pipelines and properly seat a 20-mil reinforced poly liner at approximately 5 ft bgs (Figure 2). The liner will provide a barrier that will inhibit the downward migration of chlorides to groundwater. The liner will cover the existing 20-mil poly liner measuring 30 ft x 30 ft installed at 12 ft bgs. The soils placed above the liner will have a laboratory chloride reading no greater than 500 mg/kg and a field PID reading below 100 ppm. Excavated soil will be evaluated for use as backfill and any soils requiring disposal will be properly disposed of at a NMOCD approved facility. Upon completion of backfilling, the site will be seeded with a native

vegetative mix and soil amendments will be added as necessary. Vegetation above the liner will also provide a natural infiltration barrier for the site since plants capture water through their roots thereby reducing the volume of water moving through the vadose zone to groundwater.

The monitor well has been sampled quarterly since its installation. During the most recent sampling event on January 24<sup>th</sup>, 2012, the laboratory chloride reading was 212 mg/L (Appendix B). Given that the near-source monitor well has shown chloride values below WQCC standards since its installation (Figure 3), it is evident that chlorides in the vadose zone have not impacted groundwater beneath the site. Therefore, ROC proposes to plug and abandon the near-source monitor well with a 1-3% bentonite/concrete slurry and a three foot concrete cap.

Upon completion of the CAP work elements, we anticipate ROC will submit a written report which will include a request for 'remediation termination' and the closure of the regulatory file.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-9174 or me if you have any questions or wish to discuss the site.

Sincerely,

ACW

Lara Weinheimer Project Scientist RECS (575) 441-0431

Attachments:

Figure 1 – Site Location Map

Figure 2 – Soil Bore and MW Installation and Proposed Liner

Figure 3 – MW Sampling Data

Appendix A – Surface Sampling Lab

Appendix B – Monitor Well Sampling Lab



RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

# Figures

## Site Location Map



### Soil Bore and MW Installation and Proposed Liner





# Appendix A Surface Sampling Lab

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293



May 09, 2012

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

RE: BD M-26-1

Enclosed are the results of analyses for samples received by the laboratory on 05/04/12 13:12.

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 accreditated 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,

Celege 5. Kune

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:	05/04/2012	Sampling Date:	05/04/2012
Reported:	05/09/2012	Sampling Type:	Soil
Project Name:	BD M-26-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T21S R37E SEC26 M ~ LEA CTY, NM		

#### Sample ID: SURFACE SAMPLE 10' E OF SB-6 (H201028-01)

Chloride, SM4500CI-B mg/kg Analyzed By: HM Analyte Result Reporting Limit True Value QC RPD Qualifier Analyzed Method Blank BS % Recovery Chloride <16.0 16.0 05/04/2012 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 05/07/2012 ND 189 94.5 200 5.42 DRO >C10-C28 <10.0 05/07/2012 10.0 ND 177 88.6 200 1.67 Surrogate: 1-Chlorooctane 95.7 % 55.5-154 Surrogate: 1-Chlorooctadecane 101 % 57.6-158

#### Sample ID: SURFACE SAMPLE 10' W OF SB-7 (H201028-02)

Chloride, SM4500CI-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/04/2012	ND	432	( 108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2012	ND	189	94.5	200	5.42	
DRO >C10-C28	<10.0	10.0	05/07/2012	ND	177	88.6	200	1.67	
Surrogate: 1-Chlorooctane	90.3 9	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	104 %	6 57.6-15	8						

#### Cardinal Laboratories

\*=Accredited Analyte

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 the services hereunder by Cardinal, regardless of whether such chain is based upon any of the biow stated reasons or otherwise. Results relate only to the samples identified above. This reproduced exception full with mitten approal of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

#### **CARDINAL** Laboratories

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

#### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.	1
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.	
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

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 those for negligence and including, which are stable completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including those is of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

RDINAL LABORATORIES

#### (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020 Company Name: BILL TO ANALYSIS REQUEST Rice Operating Company Project Manager: Hack Conder P.O. #: Address: 122 West Taylor Company: ations/Anions State: NM Zip: 88240 City: Hobbs Attn: Address: Phone #: 575-393-9174 Fax #: 575-397-1471 Σ Project #: TPH Project Owner: City: Chlorides S Project Name: State: Zip: BTEX **TPH 801** $\mathcal{D}$ 37 Project Location: \_ Phone #: exas Ü Fax #: • Sampler Name: ROBERT EGANS MATRIX PRESERV SAMPLING FOR LAB USE ONLY Complete F G)RAB OR (C)ON VASTEWATER Lab I.D. H201028 Sample I.D. **CID/BASE** CE / COO DTHER 1200 ğ DATE TIME 5-4-12 12:30 SurFace Sample 10 4 V EAST OF SB-6 524727250 Sur Face Sample 10 $\nabla$ V STOFSB-7 190 PLEASE NOTE: Lisbity and Demages. Cardinal's lisbity and client's exclusive reme analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cerdinal within 30 days after completion of the applicable service. In no event shall Cerdinal be fiable for incidental or consequental damages, including without limitation, business interruptic ns; loss of use, or loss of profits incurred by client, its subsidiaries affates or successors erising 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. eceived By: Phone Result: D Yes Ø No |Add'l Phone #: Relinguished By Fax Result: O Yes Ø No Add'l Fax #: REMARKS: Received By: Relinquished By: Date: email results Time: bbaker@riceswd.com; regans@riceswd.com; Delivered By: (Circle One) снескер ву: Sample Condition Cool Intact Yes Yes No No Lweinheimer@riceswd.com zconder@riceswd.com Sampler - UPS - Bus - Other:

\* Chanced

Do

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

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

井りん

Page 4 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

c19

OAR

CL.

# Appendix B Monitor Well Sampling Lab

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293



February 02, 2012

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

RE: BD M-26-1

Enclosed are the results of analyses for samples received by the laboratory on 01/26/12 14:10.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceg.texas.gov/field/ga/lab</a> accredited certif.html

Cardinal Laboratories is accreditated 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,

Celey D. Kune

Celey D. Keene Lab Director/Quality Manager

#### **CARDINAL** Laboratories

#### Analytical Results For:

Rice Operating Company Hack Conder 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	01/26/2012	Sampling Date:	01/24/2012
Reported:	02/02/2012	Sampling Type:	Water
Project Name:	BD M-26-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T21S R37E SEC26 M ~ LEA CTY, NM		

#### Sample ID: MONITOR WELL #1 (H200196-01)

**BTEX 8260B** mg/L Analyzed By: CMS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery , True Value QC RPD Qualifier Benzene\* < 0.001 0.001 02/01/2012 ND 0.024 120 0.0200 12,2 Toluene\* 0.001 02/01/2012 < 0.001 ND 0.019 96.6 0.0200 11.1 Ethylbenzene\* < 0.001 0.001 02/01/2012 ND 0.020 99.0 0.0200 10.9 Total Xylenes\* < 0.003 02/01/2012 0.003 ND 0.061 102 0.0600 11.3 Surrogate: Dibromofluoromethane 123 % 59.8-161 Surrogate: Toluene-d8 75.2-115 88.0 % Surrogate: 4-Bromofluorobenzene 94.7 % 53.7-120 Chloride, SM4500CI-B mg/L Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS RPD % Recovery True Value QC Qualifier Chloride\* 212 4.00 01/27/2012 ND 104 104 100 0.00 Sulfate 375.4 mg/L Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier % Recovery Sulfate\* 371 01/28/2012 10.0 · ND 21.9 20.0 1.81 110 TDS 160.1 mg/L Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD % Recovery Qualifier TDS\* 1210 5.00 01/27/2012 ND 238 99.2 240 1.50

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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 (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without kinitiation, 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 the services hereunder by Cardinal, regardless of whether such dam is based unover stated reasons or otherwise. Results relate only to the samples identified above. This reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Kene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4

#### **CARDINAL** Laboratories

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

#### **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 SM4500CI-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

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 the services thereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

																						;			_			P	age			<u>of</u>	1	_
101 East Marland Mexico R	Hobbs, New	na	1 T	~	ĥ	0 74 4	<b>.</b> 4	<u>-</u>		<u> </u>	, 1			,			CI	IAI	N-0	F-C	ะบร	этс	יםכ	<b>(</b> A	ND	AN	IAL	.YS	SIS -	REC	QUE	ST		
Tel (505) 393-2326 Fax (505) 393-2476										LAB Order ID #																								
Company Name: BILL TO Company: PO#								)#																										
RICE Oper	rating Company		RICE	E OI	pera	ating (	Com	par	ny											A	NA		515	KE N										
Project Manager:					Addr	ess:		(Street, City, Zip)														urs.	pec.	iry iv	ietnu		IO.)						-	
Hack Cond	dêr		122 W	Tayl	or Str	eet ~ He	obbs,	Ņew	Mexi	:0 8	8240					ľ													1					
Address: (S	Street, City, Zip)				Phor	ne#:					Fa	x#:		•	1																			
122 W Täylor S	Street ~ Hobbs, New Mexico 88240		(575	) 39	13-9	174					(5	75)	397-1	1471	71																			
Phone #:		Fax #:							,						1	,				'														
(575) 393-	9174	(575	) 397-	147	'1			)									З.		8						- 1									
Project #:	Project Name:					/	5.1	1º	1			_			1		) pa		9 6 7	,													ļ	
	BD M-26-1				/		14	-i	<u>/</u>						Í		pug	:	е Г Г															
Project Location:	· · · · ·			1	'Sam	pler Sig	fature	3:	Roza	nne	Johns	on (5	05)631	9310	1		L a													le le				S
T21S R37	E Sec26 M ~ Lea County New	Mexic	0	1	ß	11	~		<u>(CZ</u>	aj u	<u>)\$(D</u>	<u>(alc</u>	met.c	<u>cóm</u>	ľ		02		515				i		625					lö				no
		T	1	V	M	ATRIX		F	RES	ER	VATI	/E	SAM	PLING			1 2		ğ B					+	Š					ΩĬĬ		<b>_</b>		4 H
ŀ	· .		1	[/		1			M	ETH	HOD .		<b>C</b> / (iii)				E		n n		s l			/624	827		80			9 03		lids	1	?
ĹAŘ#		ê	Ř.	ſ	1/	VY.		æ			ú				3	8	005	.	as As	·	atile	<u>ه</u> ا		80B	5		1A6		ţ	5 4		Š		, me
LAD #	FIELD CODE	l S	۳, E			1		107			ļ ģ		· ন		B/6	B/6(	Σ		₽ ¥	es	Vola	ide		82	2	õ	80	Ŧ	E S	2   C		Ve Ve	. ]	μ
( ) AD UDE X			Ι	~		u	Į I	t0m		3	iter		5		021	21		ğ]:	als als	latil	Ē	stic	ĺ	10	len l	82	s S	ś	ŏ	ΰjū		ssol	.v.	ň
		q	Z	Ш			SI 1	5	2	ິ	3 3	Щ			õ	8	4	22	N N	18	လွ	Ъ		S.	ŝ	õ	ge	12	an	SU SU	tes	ă	<u>e</u>	Ā
		3)ra	ŭ	¥	Ī	ĽΞ	2	5	ž	문	Ϋ́	Ó	AT	N N	B	μ	H	Ŧ	Ellä	5	5	5	ō	ŝ	8	ő	estic	B	ois		lta	otal	뤋	E
H200146		<u> </u>	#	5	S	< 0	2	H	I	z į	<u> </u>			<u> </u>	Σ	ίΩ	F	<u>e</u>   1	빅Ĕ	F	Ĕ	Ĕ	Ř.	Ō	Ō	ĕ	ď	ğ	Σ	ŭ ₹	5	Ĕ	<u> </u>	Ē
- ]	Monitor Well #1	G	3	X			_	2			1	ļ	1-24	10:40		X							_						_		X	X	X	
									_		ŀ			[`																				
			:																											•				
				$\square$						+		1		1				-				-†				-			-+		1		-	
منت <u>جب م</u> ستند مست		· · · · · ·	+	╂──		┼─┼─				-+		╆			- ï					+		-							-+					
	······································	<b> </b>				++									-					+					+			┝╍┨				-		
	· · · · · · · · · · · · · · · · · · ·		<u> </u>		ļ		<u> </u>											_	_							_				_	<u> </u>			
	-				<b></b>																													
			1																															
	74	1	1	1	t					+		+		†	$\mathbf{t}$		<b> </b>	-+	-	+		-							-+		+			
Relinguished		Recei	ved by:	.1		1. 1.		L		to'		ime:	L	<u> </u>	Ph	one	Resu	lits	╈	V.	<u></u>		No	1				L.,l	1		I		J	
- Consequence - O	THE Date Time.		and in the Adre I with the							E.				┢	<u>+</u> "	-																		
Rozaphe John	son 1-26-2012 1410		VU	L	-A	un	NB	<u> </u>		10	6/1	<u>J</u>	14	10	ra)	K Re	suits			Ye	s		No		Add	ition	ial F	ax I	Num	ber:				_
Rélinquished(b	y: Date: Time:	Rećei	ved By	: (L	abor	atory S	taff)		Dả	te	Υ Τ	ime			RE	MAF	RKS:																	
																Em	ail R	esu	lts to	<b>)</b> :	hc	onc	der	@rie	ces	wd.	co	m						
Delivered By:	(Circle One)	One) Sample Condition CHECKED BY:						weinheimer@rice-ecs.com																										
Cool Intáct						Λ.	11										kjo	ງກ່ອ	$\mathbf{s}(\widehat{\mathbf{O}})$	riçe	-SW	d.c	orr	1										
		1	Yes	1	Yés	L.	1	(Init	ials) <sub>/</sub>	1þ.	H.										ro	zan	ne(	<u>Qva</u>	alór	net	.co	m						
Sampler )	UPS - Bus - Other:	<u> </u>	No		No	$\Box$			l	11	1/ N:				L																			
	· · · · · · · · · · · · · · · · · · ·					. L	(ش	,		<u> </u>																								
						TH	2	K	)																						_			

e.,

Page 4 of 4

#### Hansen, Edward J., EMNRD

From:	Lara Weinheimer <lweinheimer@rice-ecs.com></lweinheimer@rice-ecs.com>
Sent:	Thursday, June 21, 2012 11:55 AM
То:	Hansen, Edward J., EMNRD
Cc:	Hack Conder; Laura Pena
Subject:	BD M-26-1 (1R426-04) Additional Up-gradient information
Attachments:	BD M-26-1 (1R426-04) Additional Up-gradient Information.pdf

Hack asked me to send you the attached map showing the ROC's BD M-26-1 (1R426-04) in relation to the up-gradient site BD F-26. I put the chloride and TDS values from the most recent groundwater sampling event for the F-26 up-gradient well.

1

If you have any questions regarding this submission, don't hesitate to contact Hack Conder (1-575-631-6432).

Thanks!

Lara Weinheimer Project Scientist Rice Environmental Consulting & Safety 122 W. Taylor Hobbs, NM 88240 (575) 441-0431

# Additional Up-gradient Information

