AP-71

ANNUAL GW MONITOR REPORT

YEAR(S): 2006

AP-71
Annual GW Mon. Report
2006

ARCADIS
Infrastructure, environment, buildings

ARCADIS G&M, Inc.
1004 North Big Spring Street
Suite 300
Midland
Texas 79701
Tel 432 687 5400
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2007 MAR 2 PM 12 39

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

Environmental

Subject: **2006 MONITOR WELL REPORT/SAMPLING SUMMARY**
BD H-35 Emergency Overflow Pit
SEC. 35, T22S, R37E
NMOCD CASE # 1R0216

Date:
22 February 2007

Contact:
Sharon E. Hall

Phone:
432 687-5400

Email:
shall@arcadis-us.com

Our ref:
MT000846.0001

Dear Mr. Hansen:

On behalf of Rice Operating Company (ROC), ARCADIS G&M, Inc. (ARCADIS) respectfully submits the 2006 Monitor Well Report for the BD H-35 Emergency Overflow Pit site located at the H-35 facility on the Blinebry-Drinkard Salt Water Disposal System.

One monitoring well was installed on December 21, 2005. A water level was recorded at 43.83 feet below measuring point.

The well was sampled quarterly in 2006 per NMOCD guidelines. The attached table summarizes the analytical results from groundwater samples collected from the monitor wells at the site. 2006 groundwater laboratory reports are also attached.

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

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me.

Sincerely,

ARCADIS G&M, Inc.

Shawn E. Head

Site Evaluation Department Manager

Copies:
Kristin Farris Pope- ROC (3 copies)

Hall, Sharon

From: Hall, Sharon

Sent: Thursday, February 22, 2007 4:24 PM

To: 'Hansen, Edward J., EMNRD'

Cc: Kristin Farris Pope (kpope@riceswd.com)

Subject: ROC BD H-35 Emergency Overflow Pit Annual Report (NMOCD case #1R0216)

Attachments: Lab Results 7 19 06.pdf; 10 11 06.pdf; BD H-35 SWD Lab Results 1 04 06.pdf; gw.pdf; Lab 4 24 06.pdf; 2006 annual report.pdf

Ed, on behalf of ROC I am respectfully submitting the annual report for the BD H-35 site, NMOCD case number 1R0216. This is one of the sites you were going to see about a new case number. I am sending you a hard copy and CD in the mail. Regards, Sharon

Sharon E. Hall PG, REM
Site Evaluation Department Manager
ARCADIS G&M Inc
1004 N. Big Spring Street, Suite 300
Midland, Texas 79701
ph: 432 687-5400
fax:432 687-5401

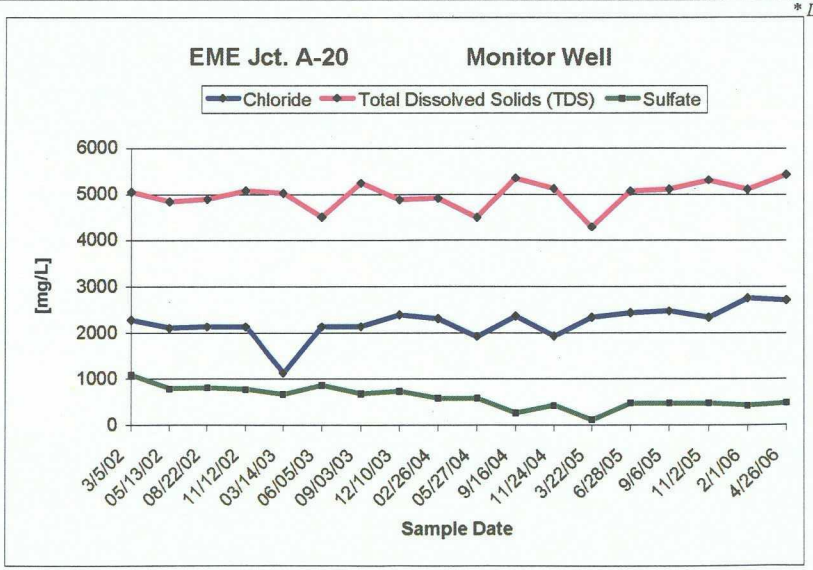
EME jct. A-20
unit 'A', Sec. 20, T20S, R37E

NMOCD Case #1R0427-89

RICE *Operating Company*
Monitor Well Data Sheet

	(ft)		(gal)			All concentrations are in mg/L							
MW #	DEPTH TO WATER *	TOTAL DEPTH	WELL VOLUME	VOLUME PURGED	SAMPLE DATE	Cl	TDS	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	SULFATE	COMMENTS
1	24.70	38.40	2.200	6.70	3/5/02	2279	5044	<0.002	0.003	0.006	0.014	1087	
1	25.62	38.22	2.000	6.00	05/13/02	2100	4840	XXX	XXX	XXX	XXX	793	*12"oil*
1	26.00	38.25	1.960	6.00	08/22/02	2130	4890	XXX	XXX	XXX	XXX	822	*15.5" oil*
1	24.97	38.25	2.125	6.50	11/12/02	2130	5070	XXX	XXX	XXX	XXX	780	*oil film*
1	26.20	38.00	0.280	0.80	03/14/03	1120	5020	XXX	XXX	XXX	XXX	673	
1	23.20	26.00	0.448	1.30	06/05/03	2130	4500	XXX	XXX	XXX	XXX	875	
1	23.42	26.00	0.400	1.20	09/03/03	2130	5240	XXX	XXX	XXX	XXX	679	
1	23.20	26.00	0.448	1.30	12/10/03	2390	4870	XXX	XXX	XXX	XXX	731	
1	25.64	26.50	0.860	2.50	02/26/04	2300	4900	XXX	XXX	XXX	XXX	588	
1	23.02	26.00	0.448	1.30	05/27/04	1910	4480	XXX	XXX	XXX	XXX	588	
1	XXX	XXX	XXX	XXX	9/16/04	2360	5340	XXX	XXX	XXX	XXX	273	
1	24.53	38.36	2.210	6.60	11/24/04	1930	5110	XXX	XXX	XXX	XXX	422	oil; strong odor; gray
1	22.39	XXX	XXX	XXX	3/22/05	2330	4290	XXX	XXX	XXX	XXX	125	oil; strong odor; gray
1	23.40	32.00	XXX	4.32	6/28/05	2430	5060	XXX	XXX	XXX	XXX	481	
1	23.45	32.00	XXX	4.18	9/6/05	2460	5100	XXX	XXX	XXX	XXX	486	
1	23.43	38.36	2.400	8.00	11/2/05	2330	5310	0.00643	0.0125	0.0635	0.1558	484	Heavy skim of oil; gray;odor
1	23.22	38.36	2.400	8.00	2/1/06	2750	5100	0.0139	0.0435	0.145	0.3009	434	Heavy skim of oil: Petroleum Odor
1	23.20	38.36	2.400	8.00	4/26/06	2700	5430	j[0.00433]	0.00849	0.0694	0.1248	482	
1	23.84	38.36	2.300	8.00	7/24/06	1090	4010	0.0341	<0.0200	0.0823	0.0866	96.8	
1	23.60	38.36	2.400	8.00	10/17/06	1830	4050	0.0409	0.0187	0.124	0.1489	44.7	Heavy skim of Oil

** Depth to water measured from top of casing*
Casing is 2.875 ft



ARC ENVIRONMENTAL

FIELD MEASUREMENT/OBSERVATION LOG

PROJECT NAME: RICE Operating Company

NM=Not Measured
NA=Not Applicable

PROJECT NUMBER: EME Jct. A-20

PROJECT MANAGER: Kristin Farris Pope - Rice Operating Company

FIELD TECHNICIAN: Rozanne Johnson Arc Environmental

DATE: Weekly Gauge April 2006-June 2006

WELL # /SAMPLE LOCATION	TOTAL WELL DEPTH (feet)	DEPTH TO PRODUCT (feet)	DEPTH TO WATER (feet)	HEIGHT WATER COLUMN (feet)	PSH THICKNESS (feet)	WELL FACTOR 2"=.16 4"=.65 6"=1.5	PSH Removed (gallons)	Water Removed (gallons)	TOTAL PURGED (gal)	DATE SAMPLE TAKEN	Comments
MW-1	NM	23.20	23.20	NM	0.00	NA	0.00	0.00	0.00	4/13/06	2' Sock Stained to 6". Sock Turned Over. Light skim of hydrocarbon.
MW-1	NM	23.20	23.20	NM	0.00	NA	0.00	0.00	0.00	4/25/06	2' Sock Stained to 7". Sock Replaced. Light skim of hydrocarbon.
MW-1	NM	23.26	23.26	NM	0.00	NA	0.00	0.00	0.00	5/12/06	2' Sock Stained to 9". Sock Replaced. Light skim of hydrocarbon.
MW-1	NM	23.29	23.29	NM	0.00	NA	0.00	0.00	0.00	5/25/06	2' Sock Stained to 14". Sock Replaced. Light skim of hydrocarbon.
MW-1	NM	23.31	23.31	NM	0.00	NA	0.00	0.00	0.00	6/1/06	2' Sock Stained to 11". Sock Replaced. Light skim of hydrocarbon.
MW-1	NM	23.38	23.38	NM	0.00	NA	0.00	0.00	0.00	6/15/06	2' Sock Stained to 8". Sock Replaced. Light skim of hydrocarbon.
MW-1	NM	23.42	23.42	NM	0.00	NA	0.00	0.00	0.00	6/29/06	2' Sock Stained to 9". Sock Replaced. Light skim of hydrocarbon.
MW-1											
MW-1											
MW-1											
MW-1											
MW-1											
MW-1											

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. A-20

Project Number: None Given

Location: Lea County

Lab Order Number: 6B02003

Report Date: 02/09/06

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	02/09/06 16:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6B02003-01	Water	02/01/06 10:15	02/02/06 09:00

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	02/09/06 16:15

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B02003-01) Water									
Benzene	**0.0139**	0.00100	mg/L	1	EB60304	02/03/06	02/07/06	EPA 8021B	
Toluene	**0.0435**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.145**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.208**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0929**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*172 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*160 %*	*80-120*		"	"	"	"	*S-04*

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	02/09/06 16:15

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B02003-01) Water									
Total Alkalinity	**302**	2.00	mg/L	1	EB60901	02/08/06	02/08/06	EPA 310.1M	
Chloride	**2750**	25.0	"	50	EB60614	02/04/06	02/06/06	EPA 300.0	
Total Dissolved Solids	**5100**	5.00	"	1	EB60302	02/02/06	02/02/06	EPA 160.1	
Sulfate	**434**	25.0	"	50	EB60614	02/04/06	02/06/06	EPA 300.0	

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	02/09/06 16:15

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6B02003-01) Water									
Calcium	**384**	0.500	mg/L	50	EB60903	02/08/06	02/09/06	EPA 200.7	
Magnesium	**274**	0.0500	"	"	"	"	"	"	
Potassium	**26.5**	0.500	"	10	"	"	"	"	
Sodium	**1220**	2.00	"	200	"	"	"	"	

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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 EB60304 - EPA 5030C (GC)										
Blank (EB60304-BLK1)				Prepared: 02/03/06 Analyzed: 02/07/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*38.0*		*ug/l*	*40.0*		*95.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.4*		"	*40.0*		*81.0*	*80-120*			
LCS (EB60304-BS1)				Prepared: 02/03/06 Analyzed: 02/06/06						
Benzene	0.0463	0.00100	mg/L	0.0500		92.6	80-120			
Toluene	0.0483	0.00100	"	0.0500		96.6	80-120			
Ethylbenzene	0.0470	0.00100	"	0.0500		94.0	80-120			
Xylene (p/m)	0.0883	0.00100	"	0.100		88.3	80-120			
Xylene (o)	0.0433	0.00100	"	0.0500		86.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.6*		*ug/l*	*40.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.3*		"	*40.0*		*88.2*	*80-120*			
Calibration Check (EB60304-CCV1)				Prepared: 02/03/06 Analyzed: 02/07/06						
Benzene	46.1		ug/l	50.0		92.2	80-120			
Toluene	50.2		"	50.0		100	80-120			
Ethylbenzene	50.8		"	50.0		102	80-120			
Xylene (p/m)	94.4		"	100		94.4	80-120			
Xylene (o)	47.4		"	50.0		94.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.7*		"	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.9*		"	*40.0*		*89.8*	*80-120*			
Matrix Spike (EB60304-MS1)	**Source: 6A30005-06**			Prepared: 02/03/06 Analyzed: 02/07/06						
Benzene	0.0488	0.00100	mg/L	0.0500	0.00119	95.2	80-120			
Toluene	0.0496	0.00100	"	0.0500	0.000302	98.6	80-120			
Ethylbenzene	0.0514	0.00100	"	0.0500	0.000224	102	80-120			
Xylene (p/m)	0.0975	0.00100	"	0.100	0.000882	96.6	80-120			
Xylene (o)	0.0496	0.00100	"	0.0500	ND	99.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.5*		*ug/l*	*40.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.8*		"	*40.0*		*112*	*80-120*			

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	02/09/06 16:15

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 EB60304 - EPA 5030C (GC)										
Matrix Spike Dup (EB60304-MSD1)	**Source: 6A30005-06**			Prepared: 02/03/06 Analyzed: 02/06/06						
Benzene	0.0460	0.00100	mg/L	0.0500	0.00119	89.6	80-120	6.06	20	
Toluene	0.0477	0.00100	"	0.0500	0.000302	94.8	80-120	3.93	20	
Ethylbenzene	0.0501	0.00100	"	0.0500	0.000224	99.8	80-120	2.18	20	
Xylene (p/m)	0.0938	0.00100	"	0.100	0.000882	92.9	80-120	3.91	20	
Xylene (o)	0.0483	0.00100	"	0.0500	ND	96.6	80-120	2.66	20	
Surrogate: a,a,a-Trifluorotoluene	*40.3*		*ug/l*	*40.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.5*		*"*	*40.0*		*104*	*80-120*			

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	02/09/06 16:15

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 EB60302 - General Preparation (WetChem)										
Blank (EB60302-BLK1)				Prepared & Analyzed: 02/02/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EB60302-DUP1)	**Source: 6B01010-01**			Prepared & Analyzed: 02/02/06						
Total Dissolved Solids	790	5.00	mg/L		794			0.505	5	
Batch EB60614 - General Preparation (WetChem)										
Blank (EB60614-BLK1)				Prepared: 02/04/06 Analyzed: 02/06/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EB60614-BS1)				Prepared: 02/04/06 Analyzed: 02/06/06						
Chloride	8.99		mg/L	10.0		89.9	80-120			
Sulfate	8.40		"	10.0		84.0	80-120			
Calibration Check (EB60614-CCV1)				Prepared: 02/04/06 Analyzed: 02/06/06						
Chloride	8.93		mg/L	10.0		89.3	80-120			
Sulfate	8.63		"	10.0		86.3	80-120			
Duplicate (EB60614-DUP1)	**Source: 6B01010-01**			Prepared: 02/04/06 Analyzed: 02/06/06						
Chloride	224	5.00	mg/L		206			8.37	20	
Sulfate	72.9	5.00	"		66.5			9.18	20	
Batch EB60901 - General Preparation (WetChem)										
Blank (EB60901-BLK1)				Prepared & Analyzed: 02/08/06						
Total Alkalinity	ND	2.00	mg/L							

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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 EB60901 - General Preparation (WetChem)										
LCS (EB60901-BS1)				Prepared & Analyzed: 02/08/06						
Bicarbonate Alkalinity	210	2.00	mg/L	200		105	85-115			
Duplicate (EB60901-DUP1)	**Source: 6B01010-01**			Prepared & Analyzed: 02/08/06						
Total Alkalinity	192	2.00	mg/L		191			0.522	20	
Reference (EB60901-SRM1)				Prepared & Analyzed: 02/08/06						
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	02/09/06 16:15

Total Metals 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 EB60903 - 6010B/No Digestion										
Blank (EB60903-BLK1)				Prepared: 02/08/06 Analyzed: 02/09/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EB60903-CCV1)				Prepared: 02/08/06 Analyzed: 02/09/06						
Calcium	2.06		mg/L	2.00		103	85-115			
Magnesium	2.05		"	2.00		102	85-115			
Potassium	1.92		"	2.00		96.0	85-115			
Sodium	1.90		"	2.00		95.0	85-115			
Duplicate (EB60903-DUP1)	**Source: 6B01010-01**			Prepared: 02/08/06 Analyzed: 02/09/06						
Calcium	62.1	0.0100	mg/L		61.2			1.46	20	
Magnesium	43.5	0.0100	"		44.8			2.94	20	
Potassium	10.3	0.500	"		10.4			0.966	20	
Sodium	161	0.500	"		157			2.52	20	

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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: 2/9/2006

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.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris Pope kpriceswd@valornet.com
Project Name: EME Jct. A-20
Company Name: RICE Operating Company
Project #:
Company Address: 122 W. Taylor Street
Project Loc: Lea County
City/State/Zip: Hobbs, New Mexico 88240
PO #:
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature: Rozanne Johnson (505) 631-9310
Email: rozanne@valornet.com

6/8/2006

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl (2) 40 ml glass vials	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None (1) 1 Liter HDPE	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP:	Analyze For: TOTAL:	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
-01	Monitor Well #1	2/1/2006	10:15	3	X		2			1		X							X	X					X			X					X

Special Instructions:

PLEASE Email RESULTS TO: kpriceswd@valornet.com & mfranks@riceswd.com

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt: 1.0

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	2/2/06	6:02	James Johnson	2/2/06	6:03
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
James Johnson	2/2/06	9:00	Cindi Wood	2/2/06	9:00

Laboratory Comments:

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

Client: RICE Op.

Date/Time: 2/2/06 9:00

Order #: 602003

Initials: CR

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 label(s)	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:

_____

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Variance Documentation:

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

Regarding:

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_____

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Corrective Action Taken:

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ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. A-20

Project Number: None Given

Location: Lea County

Lab Order Number: 6C09014

Report Date: 03/17/06

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #2	6C09014-01	Water	03/08/06 10:45	03/09/06 13:30
Monitor Well #3	6C09014-02	Water	03/08/06 11:20	03/09/06 13:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #2 (6C09014-01) Water									
Benzene	ND	0.00100	mg/L	1	EC61303	03/13/06	03/13/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.8 %*	*80-120*		"	"	"	"	
Monitor Well #3 (6C09014-02) Water									
Benzene	ND	0.00100	mg/L	1	EC61303	03/13/06	03/13/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.8 %*	*80-120*		"	"	"	"	

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #2 (6C09014-01) Water									
Total Alkalinity	**374**	2.00	mg/L	1	EC61612	03/15/06	03/15/06	EPA 310.1M	
Chloride	**2030**	25.0	"	50	EC61306	03/10/06	03/13/06	EPA 300.0	
Total Dissolved Solids	**4610**	5.00	"	1	EC61601	03/13/06	03/14/06	EPA 160.1	
Sulfate	**491**	25.0	"	50	EC61306	03/10/06	03/13/06	EPA 300.0	
Monitor Well #3 (6C09014-02) Water									
Total Alkalinity	**356**	2.00	mg/L	1	EC61612	03/15/06	03/15/06	EPA 310.1M	
Chloride	**2200**	25.0	"	50	EC61306	03/10/06	03/13/06	EPA 300.0	
Total Dissolved Solids	**4860**	5.00	"	1	EC61601	03/13/06	03/14/06	EPA 160.1	
Sulfate	**486**	25.0	"	50	EC61306	03/10/06	03/13/06	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #2 (6C09014-01) Water									
Calcium	**216**	0.500	mg/L	50	EC61608	03/16/06	03/16/06	EPA 6010B	
Magnesium	**185**	0.0500	"	"	"	"	"	"	
Potassium	**32.1**	0.500	"	10	"	"	"	"	
Sodium	**1220**	5.00	"	500	"	"	"	"	
Monitor Well #3 (6C09014-02) Water									
Calcium	**278**	0.500	mg/L	50	EC61608	03/16/06	03/16/06	EPA 6010B	
Magnesium	**223**	0.0500	"	"	"	"	"	"	
Potassium	**25.7**	0.500	"	10	"	"	"	"	
Sodium	**1080**	5.00	"	500	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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 EC61303 - EPA 5030C (GC)										
Blank (EC61303-BLK1)				Prepared & Analyzed: 03/13/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*34.4*		*ug/l*	*40.0*		*86.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.9*		"	*40.0*		*92.2*	*80-120*			
LCS (EC61303-BS1)				Prepared & Analyzed: 03/13/06						
Benzene	0.0447	0.00100	mg/L	0.0500		89.4	80-120			
Toluene	0.0507	0.00100	"	0.0500		101	80-120			
Ethylbenzene	0.0571	0.00100	"	0.0500		114	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100		119	80-120			
Xylene (o)	0.0575	0.00100	"	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.2*		*ug/l*	*40.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.8*		"	*40.0*		*82.0*	*80-120*			
Calibration Check (EC61303-CCV1)				Prepared & Analyzed: 03/13/06						
Benzene	46.0		ug/l	50.0		92.0	80-120			
Toluene	51.6		"	50.0		103	80-120			
Ethylbenzene	57.7		"	50.0		115	80-120			
Xylene (p/m)	118		"	100		118	80-120			
Xylene (o)	59.1		"	50.0		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.0*		"	*40.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.4*		"	*40.0*		*101*	*80-120*			
Matrix Spike (EC61303-MS1)	**Source: 6C08003-05**			Prepared & Analyzed: 03/13/06						
Benzene	0.0461	0.00100	mg/L	0.0500	ND	92.2	80-120			
Toluene	0.0515	0.00100	"	0.0500	ND	103	80-120			
Ethylbenzene	0.0570	0.00100	"	0.0500	ND	114	80-120			
Xylene (p/m)	0.117	0.00100	"	0.100	ND	117	80-120			
Xylene (o)	0.0579	0.00100	"	0.0500	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.7*		*ug/l*	*40.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.8*		"	*40.0*		*94.5*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

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 EC61303 - EPA 5030C (GC)										
Matrix Spike Dup (EC61303-MSD1)	**Source: 6C08003-05**			Prepared & Analyzed: 03/13/06						
Benzene	0.0472	0.00100	mg/L	0.0500	ND	94.4	80-120	2.36	20	
Toluene	0.0527	0.00100	"	0.0500	ND	105	80-120	1.92	20	
Ethylbenzene	0.0584	0.00100	"	0.0500	ND	117	80-120	2.60	20	
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120	2.53	20	
Xylene (o)	0.0597	0.00100	"	0.0500	ND	119	80-120	2.55	20	
Surrogate: a,a,a-Trifluorotoluene	*40.8*		*ug/l*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.5*		"	*40.0*		*101*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

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 EC61306 - General Preparation (WetChem)										
Blank (EC61306-BLK1)				Prepared: 03/10/06 Analyzed: 03/13/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EC61306-BS1)				Prepared: 03/10/06 Analyzed: 03/13/06						
Chloride	9.48		mg/L	10.0		94.8	80-120			
Sulfate	9.55		"	10.0		95.5	80-120			
Calibration Check (EC61306-CCV1)				Prepared: 03/10/06 Analyzed: 03/13/06						
Chloride	9.64		mg/L	10.0		96.4	80-120			
Sulfate	9.79		"	10.0		97.9	80-120			
Duplicate (EC61306-DUP1)	**Source: 6C07011-01**			Prepared: 03/10/06 Analyzed: 03/13/06						
Chloride	11500	250	mg/L		11300			1.75	20	
Sulfate	753	250	"		812			7.54	20	
Batch EC61601 - General Preparation (WetChem)										
Blank (EC61601-BLK1)				Prepared: 03/13/06 Analyzed: 03/14/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EC61601-DUP1)	**Source: 6C09013-01**			Prepared: 03/13/06 Analyzed: 03/14/06						
Total Dissolved Solids	5770	5.00	mg/L		5780			0.173	5	
Batch EC61612 - General Preparation (WetChem)										
Blank (EC61612-BLK1)				Prepared & Analyzed: 03/15/06						
Total Alkalinity	ND	2.00	mg/L							

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

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 EC61612 - General Preparation (WetChem)										
LCS (EC61612-BS1)				Prepared & Analyzed: 03/15/06						
Bicarbonate Alkalinity	220	2.00	mg/L	200		110	85-115			
Duplicate (EC61612-DUP1)		**Source: 6C09013-01**		Prepared & Analyzed: 03/15/06						
Total Alkalinity	377	2.00	mg/L		376			0.266	20	
Reference (EC61612-SRM1)				Prepared & Analyzed: 03/15/06						
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

Total Metals 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 EC61608 - 6010B/No Digestion										
Blank (EC61608-BLK1)				Prepared & Analyzed: 03/16/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EC61608-CCV1)				Prepared & Analyzed: 03/16/06						
Calcium	2.13		mg/L	2.00		106	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.86		"	2.00		93.0	85-115			
Sodium	1.80		"	2.00		90.0	85-115			
Duplicate (EC61608-DUP1)	**Source: 6C08002-01**			Prepared & Analyzed: 03/16/06						
Calcium	230	0.500	mg/L		226			1.75	20	
Magnesium	140	0.0500	"		144			2.82	20	
Potassium	32.3	0.500	"		32.0			0.933	20	
Sodium	974	2.00	"		965			0.928	20	

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/17/06 09:35

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: 3/17/2006

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.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris Pope kpriceswd@valornet.com
Project Name: EME Jct. A-20
Company Name: RICE Operating Company
Project #:
Company Address: 122 W. Taylor Street
Project Loc: Lea County
City/State/Zip: Hobbs, New Mexico 88240
PO #:
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature: Rozanne Johnson (505) 631-9310
Email: rozanne@valornet.com

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl (2) 40 ml glass vials	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None (1) 1 Liter HDPE	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP:	Analyze For: TOTAL: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
-01	Monitor Well #2	3/8/2006	10:45	3	X		2			1		X					X	X						X			X					X
-02	Monitor Well #3	3/8/2006	11:20	3	X		2			1		X					X	X						X			X					X

Special Instructions:
PLEASE Email RESULTS TO: kpriceswd@valornet.com & mfranks@riceswd.com

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt: 0.5°C
Laboratory Comments: not frozen

Relinquished By:	Date	Time	Received by:	Date	Time
Rozanne Johnson	3/9/2006	5:30	James Johnson	3/9/2006	5:31
Relinquished by: James Johnson	Date 3-9-2006	Time 13:30	Received by ELOT: Jeanne McMurrey	Date 03-09-06	Time 1330

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

Client: Rice Dp.

Date/Time: 3/9/06 13:30

Order #: 6C09019

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.6 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 label(s)	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:

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Variance Documentation:

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

Regarding:

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Corrective Action Taken:

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ENVIRONMENTAL LAB OF
12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. A-20

Project Number: None Given

Location: Lea County

Lab Order Number: 6F15002

Report Date: 06/26/06

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #4	6F15002-01	Water	06/13/06 07:45	06/15/06 07:50
Monitor Well #5	6F15002-02	Water	06/13/06 08:45	06/15/06 07:50

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #4 (6F15002-01) Water									
Benzene	ND	0.00100	mg/L	1	EF61921	06/19/06	06/20/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*80-120*		"	"	"	"	
Monitor Well #5 (6F15002-02) Water									
Benzene	ND	0.00100	mg/L	1	EF61921	06/19/06	06/20/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #4 (6F15002-01) Water									
Total Alkalinity	**340**	2.00	mg/L	1	EF62316	06/22/06	06/22/06	EPA 310.1M	
Chloride	**3840**	50.0	"	100	EF61712	06/17/06	06/17/06	EPA 300.0	
Total Dissolved Solids	**6790**	5.00	"	1	EF61918	06/15/06	06/16/06	EPA 160.1	
Sulfate	**1060**	50.0	"	100	EF61712	06/17/06	06/17/06	EPA 300.0	
Monitor Well #5 (6F15002-02) Water									
Total Alkalinity	**456**	2.00	mg/L	1	EF62316	06/22/06	06/22/06	EPA 310.1M	
Chloride	**2450**	25.0	"	50	EF61712	06/17/06	06/17/06	EPA 300.0	
Total Dissolved Solids	**4960**	5.00	"	1	EF61918	06/15/06	06/16/06	EPA 160.1	
Sulfate	**519**	25.0	"	50	EF61712	06/17/06	06/17/06	EPA 300.0	

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #4 (6F15002-01) Water									
Calcium	**348**	0.500	mg/L	50	EF61505	06/15/06	06/15/06	EPA 6010B	
Magnesium	**283**	0.0500	"	"	"	"	"	"	
Potassium	**34.7**	0.500	"	10	"	"	"	"	
Sodium	**1540**	5.00	"	500	"	"	"	"	
Monitor Well #5 (6F15002-02) Water									
Calcium	**209**	0.500	mg/L	50	EF61505	06/15/06	06/15/06	EPA 6010B	
Magnesium	**180**	0.0500	"	"	"	"	"	"	
Potassium	**32.4**	0.500	"	10	"	"	"	"	
Sodium	**1100**	2.00	"	200	"	"	"	"	

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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 EF61921 - EPA 5030C (GC)										
Blank (EF61921-BLK1)				Prepared: 06/19/06 Analyzed: 06/20/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*38.4*		*ug/l*	*40.0*		*96.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		*"*	*40.0*		*96.0*	*80-120*			
LCS (EF61921-BS1)				Prepared: 06/19/06 Analyzed: 06/20/06						
Benzene	0.0529	0.00100	mg/L	0.0500		106	80-120			
Toluene	0.0579	0.00100	"	0.0500		116	80-120			
Ethylbenzene	0.0565	0.00100	"	0.0500		113	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100		119	80-120			
Xylene (o)	0.0589	0.00100	"	0.0500		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.6*		*ug/l*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.7*		*"*	*40.0*		*102*	*80-120*			
Calibration Check (EF61921-CCV1)				Prepared: 06/19/06 Analyzed: 06/20/06						
Benzene	58.0		ug/l	50.0		116	80-120			
Toluene	59.2		"	50.0		118	80-120			
Ethylbenzene	57.5		"	50.0		115	80-120			
Xylene (p/m)	119		"	100		119	80-120			
Xylene (o)	59.0		"	50.0		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.1*		*"*	*40.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		*"*	*40.0*		*96.0*	*80-120*			
Matrix Spike (EF61921-MS1)	**Source: 6F15001-01**			Prepared: 06/19/06 Analyzed: 06/20/06						
Benzene	0.0488	0.00100	mg/L	0.0500	ND	97.6	80-120			
Toluene	0.0539	0.00100	"	0.0500	ND	108	80-120			
Ethylbenzene	0.0501	0.00100	"	0.0500	ND	100	80-120			
Xylene (p/m)	0.115	0.00100	"	0.100	ND	115	80-120			
Xylene (o)	0.0576	0.00100	"	0.0500	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.6*		*ug/l*	*40.0*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.7*		*"*	*40.0*		*104*	*80-120*			

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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 EF61921 - EPA 5030C (GC)										
Matrix Spike Dup (EF61921-MSD1)	**Source: 6F15001-01**			Prepared: 06/19/06 Analyzed: 06/20/06						
Benzene	0.0484	0.00100	mg/L	0.0500	ND	96.8	80-120	0.823	20	
Toluene	*0.0469*	*0.00100*	"	*0.0500*	ND	93.8	*80-120*	*14.1*	*20*	
Ethylbenzene	0.0451	0.00100	"	0.0500	ND	90.2	80-120	10.3	20	
Xylene (p/m)	0.0979	0.00100	"	0.100	ND	97.9	80-120	16.1	20	
Xylene (o)	0.0497	0.00100	"	0.0500	ND	99.4	80-120	14.6	20	
Surrogate: a,a,a-Trifluorotoluene	*33.7*		*ug/l*	*40.0*		*84.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.1*		"	*40.0*		*97.8*	*80-120*			

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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 EF61712 - General Preparation (WetChem)										
Blank (EF61712-BLK1)				Prepared & Analyzed: 06/17/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EF61712-BS1)				Prepared & Analyzed: 06/17/06						
Chloride	10.0		mg/L	10.0		100	80-120			
Sulfate	8.16		"	10.0		81.6	80-120			
Calibration Check (EF61712-CCV1)				Prepared & Analyzed: 06/17/06						
Chloride	10.9		mg/L	10.0		109	80-120			
Sulfate	10.5		"	10.0		105	80-120			
Duplicate (EF61712-DUP1)	**Source: 6F14013-01**			Prepared & Analyzed: 06/17/06						
Chloride	47.9	5.00	mg/L		48.8			1.86	20	
Sulfate	69.2	5.00	"		69.8			0.863	20	
Duplicate (EF61712-DUP2)	**Source: 6F15003-05**			Prepared & Analyzed: 06/18/06						
Chloride	198	5.00	mg/L		197			0.506	20	
Sulfate	154	5.00	"		152			1.31	20	
Matrix Spike (EF61712-MS1)	**Source: 6F14013-01**			Prepared & Analyzed: 06/17/06						
Chloride	157	5.00	mg/L	100	48.8	108	80-120			
Sulfate	154	5.00	"	100	69.8	84.2	75-125			
Matrix Spike (EF61712-MS2)	**Source: 6F15003-05**			Prepared & Analyzed: 06/18/06						
Sulfate	249	5.00	mg/L	100	152	97.0	75-125			
Chloride	301	5.00	"	100	197	104	80-120			

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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 EF61918 - Filtration Preparation										
Blank (EF61918-BLK1)				Prepared: 06/15/06 Analyzed: 06/16/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EF61918-DUP1)		**Source: 6F15001-01**		Prepared: 06/15/06 Analyzed: 06/16/06						
Total Dissolved Solids	7770	5.00	mg/L		7820			0.641	5	
Batch EF62316 - General Preparation (WetChem)										
Blank (EF62316-BLK1)				Prepared & Analyzed: 06/22/06						
Total Alkalinity	ND	2.00	mg/L							
Carbonate Alkalinity	ND	0.100	"							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
LCS (EF62316-BS1)				Prepared & Analyzed: 06/22/06						
Total Alkalinity	248	2.00	mg/L	250		99.2	85-115			
Duplicate (EF62316-DUP1)		**Source: 6F15001-01**		Prepared & Analyzed: 06/22/06						
Total Alkalinity	380	2.00	mg/L		386			1.57	20	
Carbonate Alkalinity	0.00	0.100	"		0.00				20	
Bicarbonate Alkalinity	380	2.00	"		386			1.57	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	
Duplicate (EF62316-DUP2)		**Source: 6F22003-01**		Prepared & Analyzed: 06/22/06						
Total Alkalinity	142	2.00	mg/L		144			1.40	20	
Carbonate Alkalinity	0.00	0.100	"		0.00				20	
Bicarbonate Alkalinity	142	2.00	"		144			1.40	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

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

Project: EME Jct. A-20
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF62316 - General Preparation (WetChem)										
Reference (EF62316-SRM1)				Prepared & Analyzed: 06/22/06						
Total Alkalinity	78.0	2.00	mg/L	82.0		95.1	85-115			
Bicarbonate Alkalinity	78.0	2.00	"	82.0		95.1	85-115			

Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals 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 EF61505 - 6010B/No Digestion										
Blank (EF61505-BLK1)				Prepared & Analyzed: 06/15/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EF61505-CCV1)				Prepared & Analyzed: 06/15/06						
Calcium	2.01		mg/L	2.00		100	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.76		"	2.00		88.0	85-115			
Sodium	1.74		"	2.00		87.0	85-115			
Duplicate (EF61505-DUP1)	**Source: 6F15001-01**			Prepared & Analyzed: 06/15/06						
Calcium	316	0.500	mg/L		320			1.26	20	
Magnesium	231	0.0500	"		229			0.870	20	
Potassium	38.4	0.500	"		38.5			0.260	20	
Sodium	1740	5.00	"		1760			1.14	20	

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Rice Operating Co.	Project: EME Jct. A-20	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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: 6/26/2006

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.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris Pope kpope@riceswd.com
Company Name: RICE Operating Company
Company Address: 122 W. Taylor Street
City/State/Zip: Hobbs, New Mexico 88240
Telephone No: (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature: Rozanne Johnson (505) 631-9310
Email: rozanne@valornet.com

Project Name: EME Jct. A-20
Project #:
Project Loc: Lea County
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl (2) 40 ml glass vials	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None (1) 1 Liter HDPE	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP:	Analyze For: TOTAL:	RUSH TAT (Pre-Schedule)	Standard TAT
01	Monitor Well #4	6/13/2006	7:45	3	X		2			1		X					X		X
02	Monitor Well #5	6/13/2006	8:45	3	X		2			1		X					X		X

Analyze For: TPH: 418.1 8015M 1005 1006 | Cations (Ca, Mg, Na, K) | Anions (Cl, SO4, CO3, HCO3) | SAR / ESP / CEC | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles | Semivolatiles | BTEX 8021B/5030 | RCI | N.O.R.M. | Total Dissolved Solids

Special Instructions:

PLEASE Email RESULTS TO: kpope@riceswd.com & mfranks@riceswd.com

Sample Containers Intact? (Y) N
Labels on container? (Y) N
Custody Seals: Containers / Cooler
Temperature Upon Receipt: 1.5°C

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	6/15/06	5:30	James Johnson	6/15/06	5:31
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
James Johnson	6/15/06	07:50	Rahan Vela	6/15/06	0750

Laboratory Comments:

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

nt: Rice Op.

e/Time: 6/15/06 7:50

er #: 6F15002

als: CK

Sample Receipt Checklist

perature of container/cooler?	Yes	No	1.5 C
ping container/cooler in good condition?	Yes	No	
ody Seals intact on shipping container/cooler?	Yes	No	Not present
ody Seals intact on sample bottles?	Yes	No	Not present
n of custody present?	Yes	No	
ple Instructions complete on Chain of Custody?	Yes	No	
n of Custody signed when relinquished and received?	Yes	No	
n of custody agrees with sample label(s)	Yes	No	
tainer labels legible and intact?	Yes	No	
ple Matrix and properties same as on chain of custody?	Yes	No	
ples in proper container/bottle?	Yes	No	
ples properly preserved?	Yes	No	
ple bottles intact?	Yes	No	
servations documented on Chain of Custody?	Yes	No	
tainers documented on Chain of Custody?	Yes	No	
icient sample amount for indicated test?	Yes	No	
amples received within sufficient hold time?	Yes	No	
C samples have zero headspace?	Yes	No	Not Apolicable

ner observations:

Variance Documentation:

ntact Person: - Date/Time: Contacted by:

garding:

rrective Action Taken: