AP - 67

ANNUAL MONITORING REPORT

YEAR(S):
2007

CERTIFIED MAIL
RETURN RECIEPT NO. 7099 3400 0017 1737 2534

TRIDENT ENVIRONMENTAL

March 19, 2008

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2008 MAR 28 PM 1 49

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

RE: **2007 ANNUAL GROUNDWATER MONITORING REPORT**
EME JCT. D-1 SITE (AP-67)
T20S, R36E, SECTION 1, UNIT LETTER D
LEA COUNTY, NEW MEXICO

Mr. Hansen:

Trident Environmental takes this opportunity to submit the 2007 Annual Groundwater Monitoring Report for the EME Jct. D-1 Site located in the Eunice-Monument-Eumont (EME) Salt Water Disposal (SWD) System.

ROC is the service provider (agent) for the EME SWD System and has no ownership of any portion of pipeline, well, or facility. The EME 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, please contact me at (432) 638-8740 or Kristin Pope at (505) 393-9174.

Sincerely,

Gilbert J. Van Deventer, PG, REM

cc: KFP, JSC

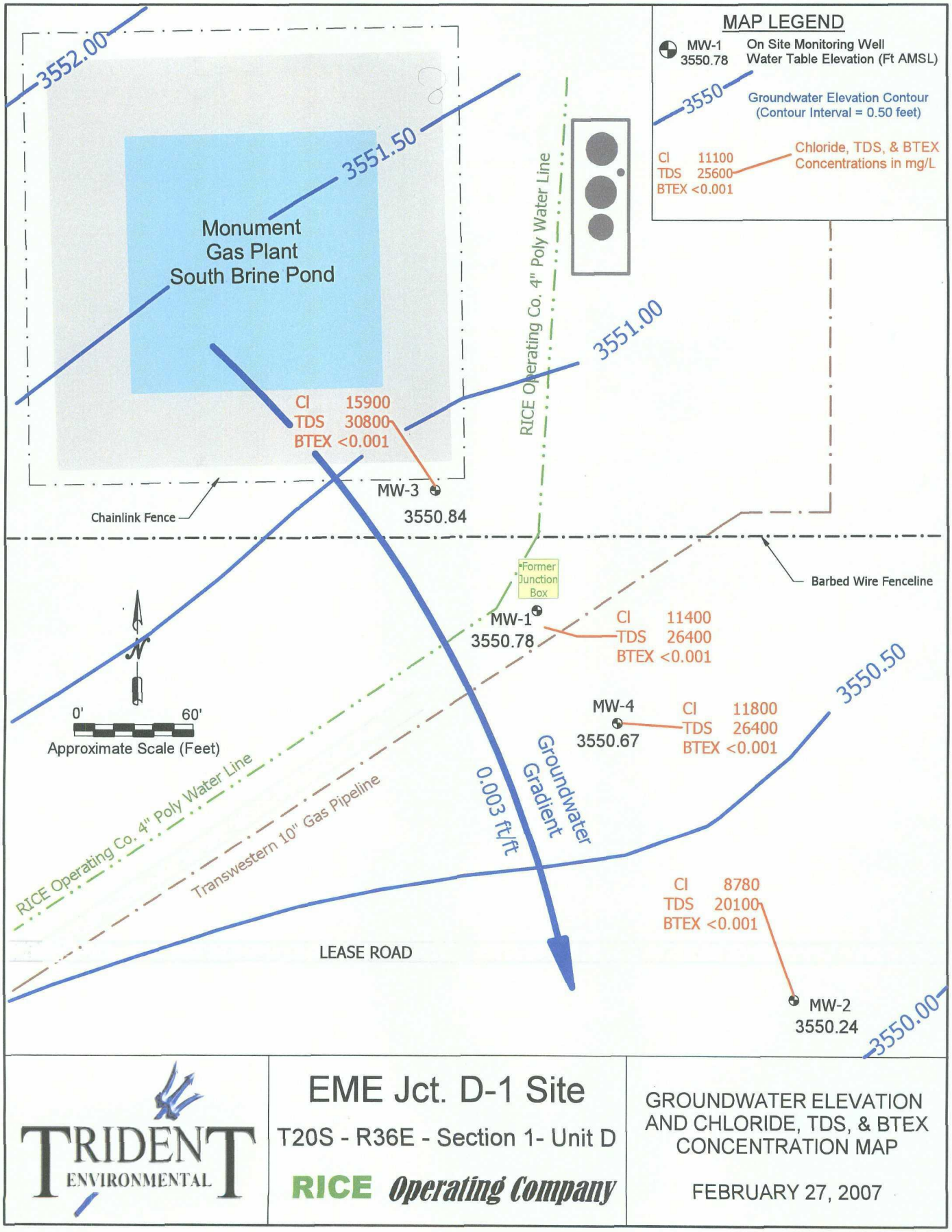
enclosures: maps, table, graphs, well sampling data forms, and laboratory analytical reports.

ATTACHMENT A

Site Maps

Table

Graphs



TRIDENT ENVIRONMENTAL

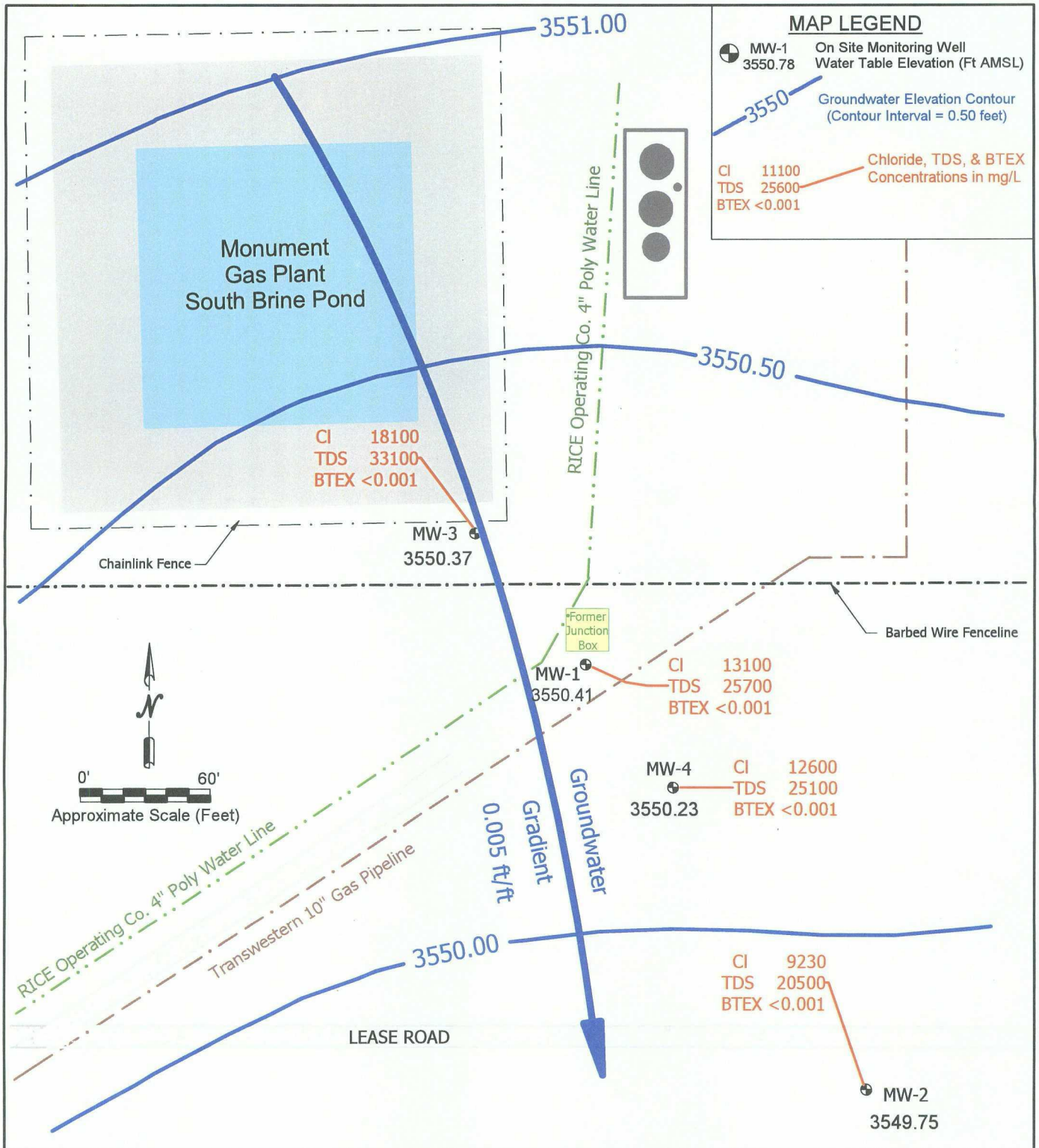
EME Jct. D-1 Site

T20S - R36E - Section 1- Unit D

RICE Operating Company

GROUNDWATER ELEVATION AND CHLORIDE, TDS, & BTEX CONCENTRATION MAP

FEBRUARY 27, 2007



TRIDENT ENVIRONMENTAL

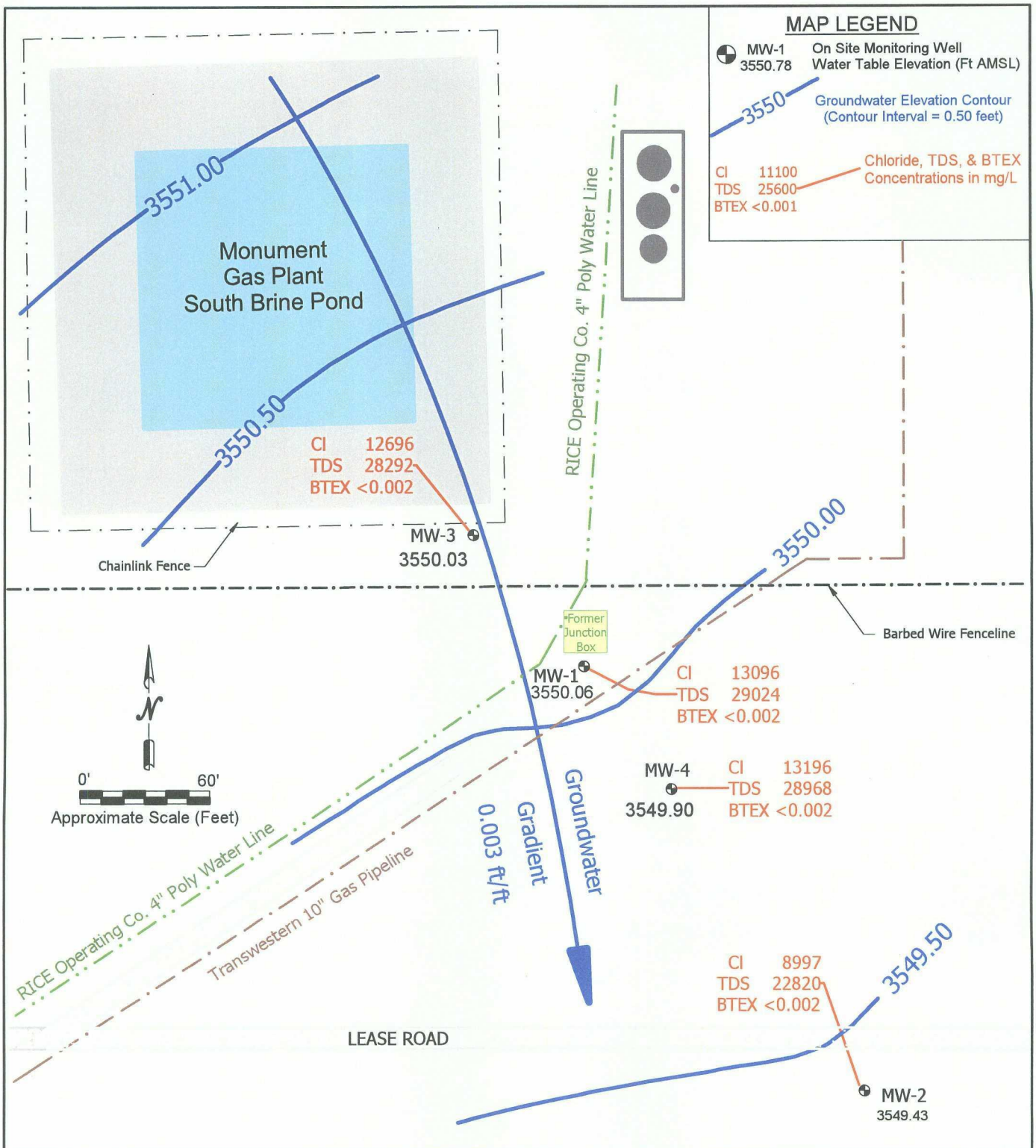
EME Jct. D-1 Site

T20S - R36E - Section 1- Unit D

RICE Operating Company

GROUNDWATER ELEVATION AND CHLORIDE, TDS, & BTEX CONCENTRATION MAP

JUNE 4, 2007



TRIDENT ENVIRONMENTAL

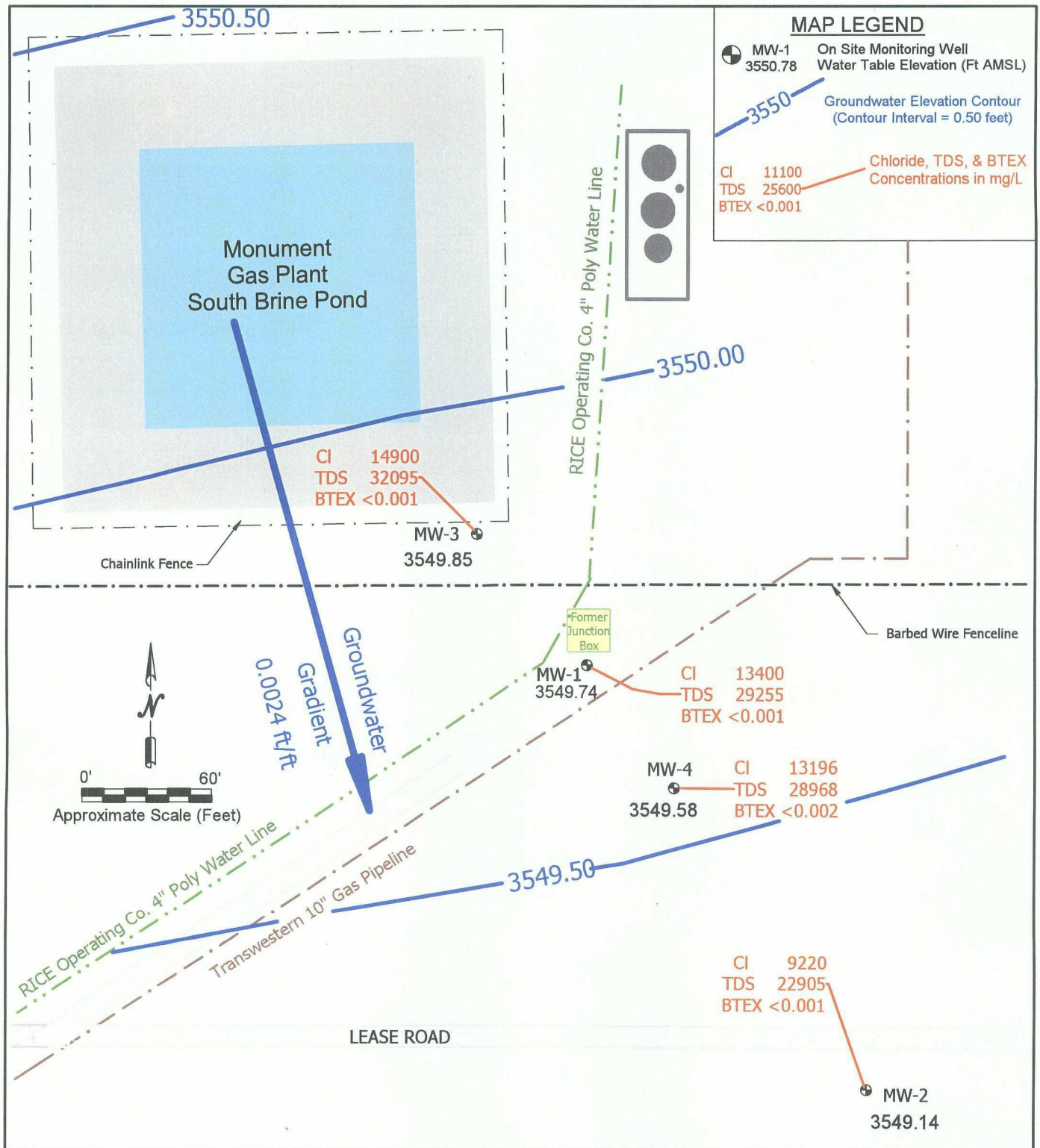
EME Jct. D-1 Site

T20S - R36E - Section 1- Unit D

RICE Operating Company

GROUNDWATER ELEVATION AND CHLORIDE, TDS, & BTEX CONCENTRATION MAP

AUGUST 20, 2007



TRIDENT ENVIRONMENTAL

EME Jct. D-1 Site

T20S - R36E - Section 1- Unit D

RICE Operating Company

GROUNDWATER ELEVATION AND CHLORIDE, TDS, & BTEX CONCENTRATION MAP

NOVEMBER 6, 2007

Table 1

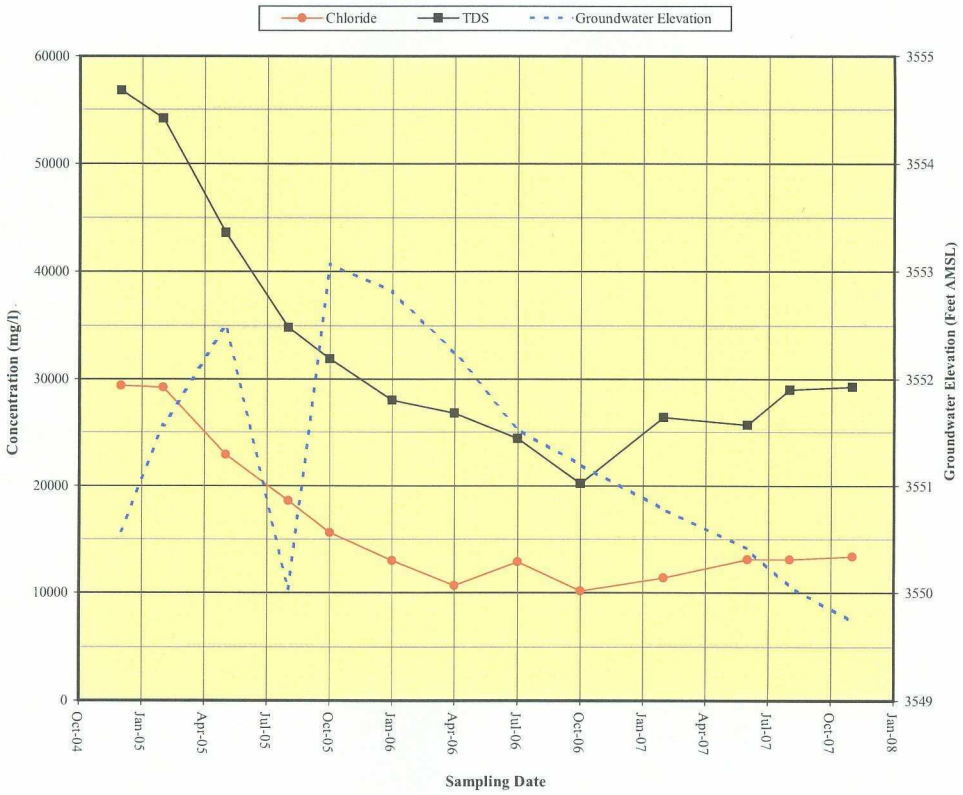
Summary of Groundwater Sampling Results

EME Jct. D-1 Site (AP-67)

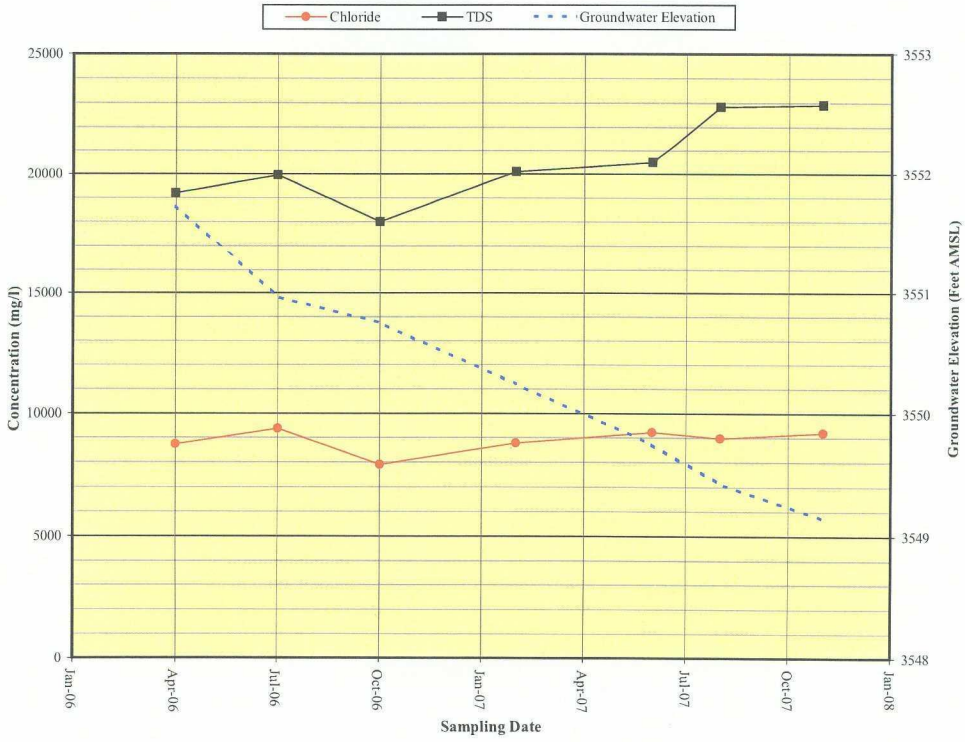
Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-1	12/21/04	37.20	3550.57	**29,400**	**56,800**	<0.001	<0.001	<0.001	<0.001
	02/09/05	36.20	3551.57	**29,200**	**54,200**	<0.001	<0.001	<0.001	<0.001
	05/03/05	35.27	3552.50	**22,900**	**43,600**	<0.001	<0.001	<0.001	<0.001
	08/13/05	37.74	3550.03	**18,600**	**34,800**	<0.001	<0.001	<0.001	<0.001
	10/19/05	34.70	3553.07	**15,600**	**31,900**	<0.001	<0.001	<0.001	<0.001
	01/18/06	34.95	3552.82	**13,000**	**28,000**	<0.001	<0.001	<0.001	<0.001
	04/19/06	35.54	3552.23	**10,700**	**26,800**	<0.001	<0.001	<0.001	<0.001
	07/18/06	36.24	3551.53	**12,900**	**24,400**	<0.001	<0.001	<0.001	<0.001
	10/10/06	36.57	3551.20	**10,200**	**20,200**	<0.001	<0.001	<0.001	<0.001
	02/27/07	36.99	3550.78	**11,400**	**26,400**	<0.001	<0.001	<0.001	<0.001
	06/04/07	37.36	3550.41	**13,100**	**25,700**	<0.001	<0.001	<0.001	<0.001
	08/20/07	37.71	3550.06	**13,096**	**29,024**	<0.002	<0.002	<0.002	<0.006
	11/06/07	38.03	3549.74	**13,400**	**29,255**	<0.001	<0.001	<0.001	<0.003
MW-2	04/19/06	33.89	3551.73	**8,730**	**19,200**	<0.001	<0.001	<0.001	<0.001
	07/18/06	34.65	3550.97	**9,390**	**19,950**	<0.001	<0.001	<0.001	<0.001
	10/10/06	34.87	3550.75	**7,910**	**18,000**	<0.001	<0.001	<0.001	<0.001
	02/27/07	35.38	3550.24	**8,780**	**20,100**	<0.001	<0.001	<0.001	<0.001
	06/04/07	35.87	3549.75	**9,230**	**20,500**	<0.001	<0.001	<0.001	<0.001
	08/20/07	36.19	3549.43	**8,997**	**22,820**	<0.002	<0.002	<0.002	<0.006
	11/06/07	36.48	3549.14	**9,200**	**22,905**	<0.001	<0.001	<0.001	<0.003
MW-3	04/19/06	37.55	3552.29	**11,100**	**25,600**	<0.001	<0.001	<0.001	<0.001
	07/18/06	38.24	3551.60	**15,400**	**25,900**	<0.001	<0.001	<0.001	<0.001
	10/10/06	38.59	3551.25	**13,100**	**24,000**	<0.001	<0.001	<0.001	<0.001
	02/27/07	39.00	3550.84	**15,900**	**30,800**	<0.001	<0.001	<0.001	<0.001
	06/04/07	39.47	3550.37	**18,100**	**33,100**	<0.001	<0.001	<0.001	<0.001
	08/20/07	39.81	3550.03	**12,696**	**28,292**	<0.002	<0.002	<0.002	<0.006
	11/06/07	39.99	3549.85	**14,900**	**32,095**	<0.001	<0.001	<0.001	<0.003
MW-4	12/22/06	35.97	3550.93	**12,900**	**22,700**	<0.001	<0.001	<0.001	<0.001
	02/27/07	36.23	3550.67	**11,800**	**26,400**	<0.001	<0.001	<0.001	<0.001
	06/04/07	36.67	3550.23	**12,600**	**25,100**	<0.001	<0.001	<0.001	<0.001
	08/20/07	37.00	3549.90	**13,196**	**28,968**	<0.002	<0.002	<0.002	<0.006
	11/06/07	37.32	3549.58	**11,900**	**26,419**	<0.001	<0.001	<0.001	<0.003

Total Dissolved Solids (TDS), chloride, and BTEX concentrations listed in milligrams per liter (mg/L)
Analyses performed by Cardinal Labs, Hobbs, NM (1995-1998) and Environmental Lab of Texas, Odessa, TX (1999-2003).
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
AMSL - Above Mean Sea Level; BTOC - Below Top of Casing
Elevations and state plane coordinates surveyed by Basin Surveys, Hobbs, NM.

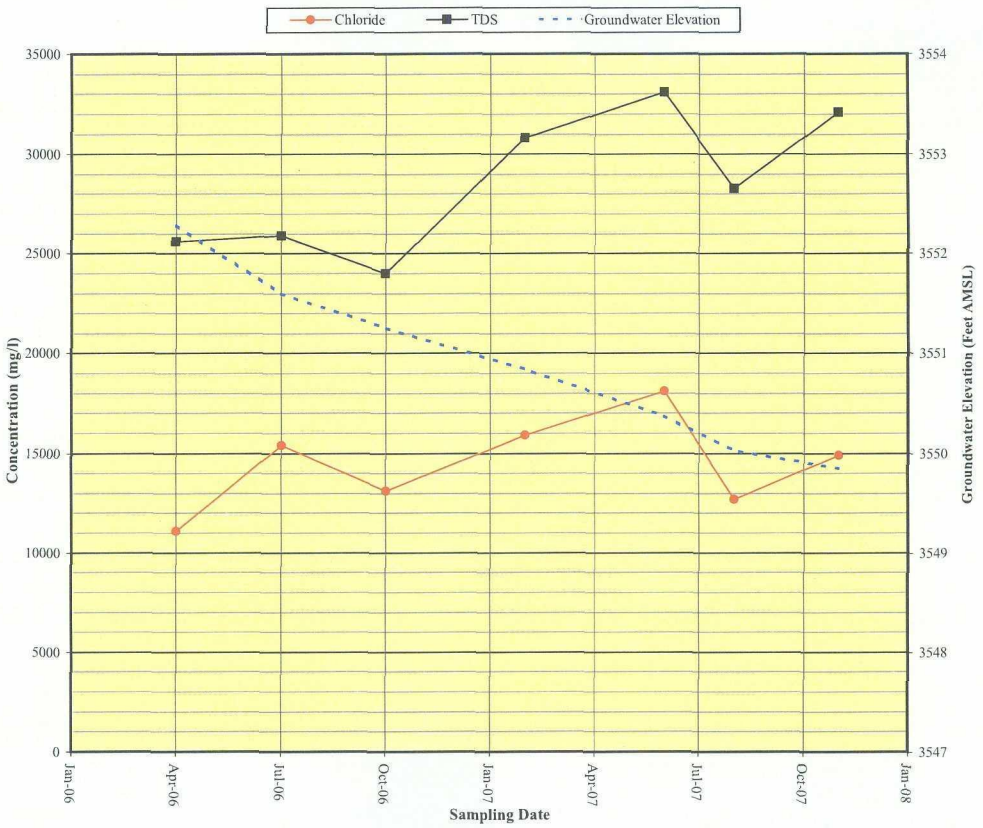
MW-1
Chloride, TDS, and Groundwater Elevation Values Versus Time



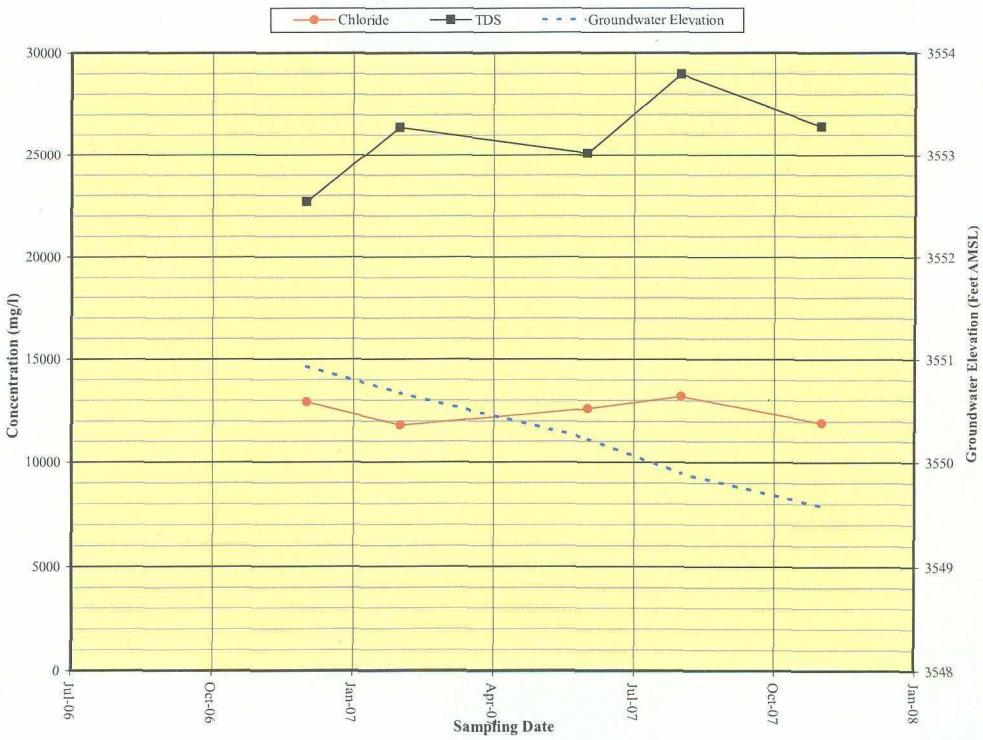
MW-2
Chloride, TDS, and Groundwater Elevation Values Versus Time



MW-3
Chloride, TDS, and Groundwater Elevation Values Versus Time



MW-4
***Chloride*, TDS, and Groundwater Elevation Values Versus Time**



ATTACHMENT B

Laboratory Analytical Reports

And

Chain of Custody Documentation

ENVIRONMENTAL LAB OF
12600 West I-20 East - Odessa, Texas 79765
A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. D-1 Leak

Project Number: None Given

Location: T20S-R36E-Sec D-1 Lea Co., NM

Lab Order Number: 7C01014

Report Date: 03/09/07

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1	7C01014-01	Water	02/27/07 14:45	03-01-2007 15:00
Monitor Well #2	7C01014-02	Water	02/27/07 13:20	03-01-2007 15:00
Monitor Well #3	7C01014-03	Water	02/27/07 15:15	03-01-2007 15:00
Monitor Well #4	7C01014-04	Water	02/27/07 14:00	03-01-2007 15:00

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

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1 (7C01014-01) Water									
Benzene	ND	0.00100	mg/L	1	EC70201	03/02/07	03/07/07	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		*111 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
Monitor Well #2 (7C01014-02) Water									
Benzene	ND	0.00100	mg/L	1	EC70201	03/02/07	03/07/07	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		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
Monitor Well #3 (7C01014-03) Water									
Benzene	ND	0.00100	mg/L	1	EC70201	03/02/07	03/07/07	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		*96.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
Monitor Well #4 (7C01014-04) Water									
Benzene	ND	0.00100	mg/L	1	EC70201	03/02/07	03/07/07	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		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	

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

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1 (7C01014-01) Water									
Total Alkalinity	**490**	2.00	mg/L	1	EC70704	03/09/07	03/09/07	EPA 310.1M	
Chloride	**11400**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	
Total Dissolved Solids	**26400**	10.0	"	1	EC70715	03/05/07	03/08/07	EPA 160.1	
Sulfate	**4360**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	
Monitor Well #2 (7C01014-02) Water									
Total Alkalinity	**520**	2.00	mg/L	1	EC70704	03/09/07	03/09/07	EPA 310.1M	
Chloride	**8780**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	
Total Dissolved Solids	**20100**	10.0	"	1	EC70715	03/05/07	03/08/07	EPA 160.1	
Sulfate	**4780**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	
Monitor Well #3 (7C01014-03) Water									
Total Alkalinity	**520**	2.00	mg/L	1	EC70704	03/09/07	03/09/07	EPA 310.1M	
Chloride	**15900**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	
Total Dissolved Solids	**30800**	10.0	"	1	EC70715	03/05/07	03/08/07	EPA 160.1	
Sulfate	**4570**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	
Monitor Well #4 (7C01014-04) Water									
Total Alkalinity	**470**	2.00	mg/L	1	EC70704	03/09/07	03/09/07	EPA 310.1M	
Chloride	**11800**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	
Total Dissolved Solids	**26400**	10.0	"	1	EC70715	03/05/07	03/08/07	EPA 160.1	
Sulfate	**4540**	250	"	500	EC70717	03/07/07	03/08/07	EPA 300.0	

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1 (7C01014-01) Water									
Calcium	**551**	0.200	mg/L	1	EC70707	03/07/07	03/07/07	EPA 6010B	
Magnesium	**271**	0.0200	"	"	"	"	"	"	
Potassium	**171**	1.00	"	"	"	"	"	"	
Sodium	**7490**	1.00	"	"	"	"	"	"	
Monitor Well #2 (7C01014-02) Water									
Calcium	**396**	0.200	mg/L	1	EC70707	03/07/07	03/07/07	EPA 6010B	
Magnesium	**208**	0.0200	"	"	"	"	"	"	
Potassium	**145**	1.00	"	"	"	"	"	"	
Sodium	**6130**	1.00	"	"	"	"	"	"	
Monitor Well #3 (7C01014-03) Water									
Calcium	**597**	0.200	mg/L	1	EC70707	03/07/07	03/07/07	EPA 6010B	
Magnesium	**390**	0.0200	"	"	"	"	"	"	
Potassium	**183**	1.00	"	"	"	"	"	"	
Sodium	**9280**	1.00	"	"	"	"	"	"	
Monitor Well #4 (7C01014-04) Water									
Calcium	**4840**	0.200	mg/L	1	EC70707	03/07/07	03/07/07	EPA 6010B	
Magnesium	**260**	0.0200	"	"	"	"	"	"	
Potassium	**156**	1.00	"	"	"	"	"	"	
Sodium	**7480**	1.00	"	"	"	"	"	"	

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

Project: EME Jct. D-1 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EC70201 - EPA 5030C (GC)										
Blank (EC70201-BLK1)				Prepared: 03/02/07 Analyzed: 03/07/07						
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	*55.3*		*ug/l*	*50.0*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*80-120*			
LCS (EC70201-BS1)				Prepared: 03/02/07 Analyzed: 03/07/07						
Benzene	0.0566	0.00100	mg/L	0.0500		113	80-120			
Toluene	0.0512	0.00100	"	0.0500		102	80-120			
Ethylbenzene	0.0484	0.00100	"	0.0500		96.8	80-120			
Xylene (p/m)	0.0955	0.00100	"	0.100		95.5	80-120			
Xylene (o)	0.0444	0.00100	"	0.0500		88.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*57.7*		*ug/l*	*50.0*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*54.5*		*"*	*50.0*		*109*	*80-120*			
Calibration Check (EC70201-CCV1)				Prepared: 03/02/07 Analyzed: 03/07/07						
Benzene	59.0		ug/l	50.0		118	80-120			
Toluene	53.4		"	50.0		107	80-120			
Ethylbenzene	51.9		"	50.0		104	80-120			
Xylene (p/m)	98.7		"	100		98.7	80-120			
Xylene (o)	46.6		"	50.0		93.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*58.5*		*"*	*50.0*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*59.0*		*"*	*50.0*		*118*	*80-120*			
Matrix Spike (EC70201-MS1)	**Source: 7C02009-01**			Prepared: 03/02/07 Analyzed: 03/07/07						
Benzene	0.0588	0.00100	mg/L	0.0500	ND	118	80-120			
Toluene	0.0535	0.00100	"	0.0500	ND	107	80-120			
Ethylbenzene	0.0537	0.00100	"	0.0500	ND	107	80-120			
Xylene (p/m)	0.101	0.00100	"	0.100	ND	101	80-120			
Xylene (o)	0.0474	0.00100	"	0.0500	ND	94.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*61.8*		*ug/l*	*50.0*		*124*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*62.8*		*"*	*50.0*		*126*	*80-120*			*S-04*

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 EC70201 - EPA 5030C (GC)										
Matrix Spike Dup (EC70201-MSD1)	**Source: 7C02009-01**			Prepared: 03/02/07 Analyzed: 03/07/07						
Benzene	0.0564	0.00100	mg/L	0.0500	ND	113	80-120	4.33	20	
Toluene	0.0521	0.00100	"	0.0500	ND	104	80-120	2.84	20	
Ethylbenzene	0.0533	0.00100	"	0.0500	ND	107	80-120	0.00	20	
Xylene (p/m)	0.0999	0.00100	"	0.100	ND	99.9	80-120	1.10	20	
Xylene (o)	0.0468	0.00100	"	0.0500	ND	93.6	80-120	1.27	20	
Surrogate: a,a,a-Trifluorotoluene	*61.4*		*ug/l*	*50.0*		*123*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*63.4*		*"*	*50.0*		*127*	*80-120*			*S-04*

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 EC70704 - General Preparation (WetChem)										
Blank (EC70704-BLK1)				Prepared & Analyzed: 03/09/07						
Total Alkalinity	ND	2.00	mg/L							
Carbonate Alkalinity	ND	0.100	"							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
LCS (EC70704-BS1)				Prepared & Analyzed: 03/09/07						
Total Alkalinity	170	2.00	mg/L				85-115			
Bicarbonate Alkalinity	170	2.00	"	200		85.0	85-115			
Duplicate (EC70704-DUP1)		**Source: 7C01005-01**		Prepared & Analyzed: 03/09/07						
Total Alkalinity	100	2.00	mg/L		110			9.52	20	
Carbonate Alkalinity	0.00	0.100	"		0.00				20	
Bicarbonate Alkalinity	0.00	2.00	"		0.00				20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	
Reference (EC70704-SRM1)				Prepared & Analyzed: 03/09/07						
Total Alkalinity	246		mg/L	250		98.4	90-110			
Batch EC70715 - General Preparation (WetChem)										
Blank (EC70715-BLK1)				Prepared: 03/05/07 Analyzed: 03/08/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EC70715-DUP1)		**Source: 7C01013-01**		Prepared: 03/05/07 Analyzed: 03/08/07						
Total Dissolved Solids	4630	10.0	mg/L		4520			2.40	20	
Duplicate (EC70715-DUP2)		**Source: 7C01015-04**		Prepared: 03/05/07 Analyzed: 03/08/07						
Total Dissolved Solids	12500	10.0	mg/L		12100			3.25	20	

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

Project: EME Jct. D-1 Leak
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 EC70717 - General Preparation (WetChem)										
Blank (EC70717-BLK1)				Prepared: 03/07/07 Analyzed: 03/08/07						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EC70717-BS1)				Prepared: 03/07/07 Analyzed: 03/08/07						
Chloride	9.11	0.500	mg/L	10.0		91.1	80-120			
Sulfate	9.86	0.500	"	10.0		98.6	80-120			
Calibration Check (EC70717-CCV1)				Prepared: 03/07/07 Analyzed: 03/08/07						
Chloride	8.24		mg/L	10.0		82.4	80-120			
Sulfate	11.7		"	10.0		117	80-120			
Duplicate (EC70717-DUP1)	**Source: 7B28002-05**			Prepared: 03/07/07 Analyzed: 03/08/07						
Sulfate	0.766	0.500	mg/L		0.755			1.45	20	
Chloride	0.823	0.500	"		0.811			1.47	20	
Duplicate (EC70717-DUP2)	**Source: 7C01014-01**			Prepared: 03/07/07 Analyzed: 03/08/07						
Sulfate	4410	250	mg/L		4360			1.14	20	
Chloride	11300	250	"		11400			0.881	20	
Matrix Spike (EC70717-MS1)	**Source: 7B28002-05**			Prepared: 03/07/07 Analyzed: 03/08/07						
Sulfate	9.35	0.500	mg/L	10.0	0.755	86.0	80-120			
Chloride	9.17	0.500	"	10.0	0.811	83.6	80-120			
Matrix Spike (EC70717-MS2)	**Source: 7C01014-01**			Prepared: 03/07/07 Analyzed: 03/08/07						
Chloride	17500	250	mg/L	5000	11400	122	80-120			M1
Sulfate	9950	250	"	5000	4360	112	80-120			

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 EC70707 - 6010B/No Digestion										
Blank (EC70707-BLK1)				Prepared & Analyzed: 03/07/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
LCS (EC70707-BS1)				Prepared & Analyzed: 03/07/07						
Calcium	1.00		mg/L	1.00		100	85-115			
Magnesium	1.04		"	1.00		104	85-115			
Potassium	9.88		"	10.0		98.8	85-115			
Sodium	9.92		"	11.0		90.2	85-115			
LCS Dup (EC70707-BSD1)				Prepared & Analyzed: 03/07/07						
Calcium	1.01		mg/L	1.00		101	85-115	0.995	20	
Magnesium	1.05		"	1.00		105	85-115	0.957	20	
Potassium	9.97		"	10.0		99.7	85-115	0.907	20	
Sodium	10.0		"	11.0		90.9	85-115	0.803	20	
Matrix Spike (EC70707-MS1)		**Source: 7C01014-01RE1**		Prepared & Analyzed: 03/07/07						
Calcium	118		mg/L	2.00	116	100	75-125			
Magnesium	50.7		"	2.00	47.1	180	75-125			M1
Potassium	42.8		"	20.0	14.3	142	75-125			M1
Sodium	317		"	22.0	235	373	75-125			M1
Matrix Spike Dup (EC70707-MSD1)		**Source: 7C01014-01RE1**		Prepared & Analyzed: 03/07/07						
Calcium	123		mg/L	2.00	116	350	75-125	4.15	20	M1
Magnesium	51.9		"	2.00	47.1	240	75-125	2.34	20	M1
Potassium	42.9		"	20.0	14.3	143	75-125	0.233	20	M1
Sodium	322		"	22.0	235	395	75-125	1.56	20	M1

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
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: Brent Barron Date: 3/9/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

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 e-mail: rozanne@valornet.com

Project Name: EME Junction D-1 Leak
Project #:
Project Loc: T20S-R36E-SecD 1 ~ Lea County New Mexico
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 7C01014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl (2) 40 ml glass vials	H2SO4	NaOH	Na2S2O3	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL:	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	Monitor Well #1			2/27/2007	14:45		3	X		2				1			GW					X	X						X				X				X
-02	Monitor Well #2			2/27/2007	13:20		3	X		2				1			GW					X	X						X				X				X
-03	Monitor Well #3			2/27/2007	15:15		3	X		2				1			GW					X	X						X				X				X
-04	Monitor Well #4			2/27/2007	14:00		3	X		2				1			GW					X	X						X				X				X

Special Instructions:
Please email to: kpope@riceswd.com jpurvis@riceswd.com matt@riceswd.com rozanne@valornet.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	3-1-07	3:30			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				3/1/07	3:30

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		
Temperature Upon Receipt: 1.0 °C		

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

lient: Rice Op.

ate/ Time: 3/1/07 3:30

ab ID #: MC0014

itials: VK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	1.0 °C	
2	Shipping container in good condition?	Yes	No		
3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
5	Chain of Custody present?	Yes	No		
6	Sample instructions complete of Chain of Custody?	Yes	No		
7	Chain of Custody signed when relinquished/ received?	Yes	No		
8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
9	Container label(s) legible and intact?	Yes	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
11	Containers supplied by ELOT?	Yes	No		
12	Samples in proper container/ bottle?	Yes	No	See Below	
13	Samples properly preserved?	Yes	No	See Below	
14	Sample bottles intact?	Yes	No		
15	Preservations documented on Chain of Custody?	Yes	No		
16	Containers documented on Chain of Custody?	Yes	No		
17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
18	All samples received within sufficient hold time?	Yes	No	See Below	
19	Subcontract of sample(s)?	Yes	No	Not Applicable	
20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. D-1 Leak

Project Number: None Given

Location: T20S-R36E-SecD 1 ~ Lea County New Mexico

Lab Order Number: 7F06020

Report Date: 06/27/07

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1	7F06020-01	Water	06/04/07 10:15	06-06-2007 12:51
Monitor Well #2	7F06020-02	Water	06/04/07 08:40	06-06-2007 12:51
Monitor Well #3	7F06020-03	Water	06/04/07 11:20	06-06-2007 12:51
Monitor Well #4	7F06020-04	Water	06/04/07 09:30	06-06-2007 12:51

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

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1 (7F06020-01) Water									
Benzene	ND	0.00100	mg/L	1	EF70804	06/08/07	06/11/07	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		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*80-120*		"	"	"	"	
Monitor Well #2 (7F06020-02) Water									
Benzene	ND	0.00100	mg/L	1	EF70804	06/08/07	06/11/07	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		*111 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.4 %*	*80-120*		"	"	"	"	
Monitor Well #3 (7F06020-03) Water									
Benzene	ND	0.00100	mg/L	1	EF70804	06/08/07	06/11/07	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		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*80-120*		"	"	"	"	
Monitor Well #4 (7F06020-04) Water									
Benzene	ND	0.00100	mg/L	1	EF70804	06/08/07	06/11/07	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		*97.2 %*	*80-120*		"	"	"	"	

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1 (7F06020-01) Water									
Total Alkalinity	**440**	2.00	mg/L	1	EF71309	06/13/07	06/13/07	EPA 310.1M	
Chloride	**13100**	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Total Dissolved Solids	**25700**	10.0	"	1	EF71110	06/07/07	06/11/07	EPA 160.1	
Sulfate	**4650**	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Monitor Well #2 (7F06020-02) Water									
Total Alkalinity	**560**	2.00	mg/L	1	EF71309	06/13/07	06/13/07	EPA 310.1M	
Chloride	**9230**	100	"	200	EF71204	06/12/07	06/12/07	EPA 300.0	
Total Dissolved Solids	**20500**	10.0	"	1	EF71110	06/07/07	06/11/07	EPA 160.1	
Sulfate	**4910**	100	"	200	EF71204	06/12/07	06/12/07	EPA 300.0	
Monitor Well #3 (7F06020-03) Water									
Total Alkalinity	**510**	2.00	mg/L	1	EF71309	06/13/07	06/13/07	EPA 310.1M	
Chloride	**18100**	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Total Dissolved Solids	**33100**	10.0	"	1	EF71110	06/07/07	06/11/07	EPA 160.1	
Sulfate	**4670**	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Monitor Well #4 (7F06020-04) Water									
Total Alkalinity	**510**	2.00	mg/L	1	EF71309	06/13/07	06/13/07	EPA 310.1M	
Chloride	**12600**	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Total Dissolved Solids	**25100**	10.0	"	1	EF71110	06/07/07	06/11/07	EPA 160.1	
Sulfate	**4530**	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 #1 (7F06020-01) Water									
Calcium	**489**	20.2	mg/L	250	EF70807	06/08/07	06/08/07	EPA 6010B	
Magnesium	**230**	1.80	"	50	"	"	"	"	
Potassium	**172**	3.00	"	"	"	"	"	"	
Sodium	**9120**	215	"	5000	"	"	"	"	
Monitor Well #2 (7F06020-02) Water									
Calcium	**343**	20.2	mg/L	250	EF70807	06/08/07	06/08/07	EPA 6010B	
Magnesium	**166**	1.80	"	50	"	"	"	"	
Potassium	**111**	3.00	"	"	"	"	"	"	
Sodium	**7840**	43.0	"	1000	"	"	"	"	
Monitor Well #3 (7F06020-03) Water									
Calcium	**499**	20.2	mg/L	250	EF70807	06/08/07	06/08/07	EPA 6010B	
Magnesium	**303**	1.80	"	50	"	"	"	"	
Potassium	**244**	3.00	"	"	"	"	"	"	
Sodium	**10200**	215	"	5000	"	"	"	"	
Monitor Well #4 (7F06020-04) Water									
Calcium	**394**	20.2	mg/L	250	EF70807	06/08/07	06/08/07	EPA 6010B	
Magnesium	**204**	1.80	"	50	"	"	"	"	
Potassium	**132**	3.00	"	"	"	"	"	"	
Sodium	**11400**	215	"	5000	"	"	"	"	

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

Project: EME Jct. D-1 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF70804 - EPA 5030C (GC)										
Blank (EF70804-BLK1)				Prepared: 06/08/07 Analyzed: 06/11/07						
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	*48.0*		*ug/l*	*50.0*		*96.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.7*		*"*	*50.0*		*91.4*	*80-120*			
LCS (EF70804-BS1)				Prepared: 06/08/07 Analyzed: 06/11/07						
Benzene	0.0508	0.00100	mg/L	0.0500		102	80-120			
Toluene	0.0518	0.00100	"	0.0500		104	80-120			
Ethylbenzene	0.0505	0.00100	"	0.0500		101	80-120			
Xylene (p/m)	0.0995	0.00100	"	0.100		99.5	80-120			
Xylene (o)	0.0526	0.00100	"	0.0500		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*49.7*		*ug/l*	*50.0*		*99.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*48.0*		*"*	*50.0*		*96.0*	*80-120*			
Calibration Check (EF70804-CCV1)				Prepared: 06/08/07 Analyzed: 06/12/07						
Benzene	0.0577		mg/L	0.0500		115	80-120			
Toluene	0.0576		"	0.0500		115	80-120			
Ethylbenzene	0.0548		"	0.0500		110	80-120			
Xylene (p/m)	0.104		"	0.100		104	80-120			
Xylene (o)	0.0579		"	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*57.6*		*ug/l*	*50.0*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*80-120*			
Matrix Spike (EF70804-MS1)	**Source: 7F06020-01**			Prepared: 06/08/07 Analyzed: 06/11/07						
Benzene	0.0547	0.00100	mg/L	0.0500	ND	109	80-120			
Toluene	0.0556	0.00100	"	0.0500	ND	111	80-120			
Ethylbenzene	0.0531	0.00100	"	0.0500	ND	106	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100	ND	105	80-120			
Xylene (o)	0.0578	0.00100	"	0.0500	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*56.5*		*ug/l*	*50.0*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*53.6*		*"*	*50.0*		*107*	*80-120*			

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

Project: EME Jct. D-1 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF70804 - EPA 5030C (GC)										
Matrix Spike Dup (EF70804-MSD1)	**Source: 7F06020-01**			Prepared: 06/08/07 Analyzed: 06/12/07						
Benzene	0.0562	0.00100	mg/L	0.0500	ND	112	80-120	2.71	20	
Toluene	0.0569	0.00100	"	0.0500	ND	114	80-120	2.67	20	
Ethylbenzene	0.0558	0.00100	"	0.0500	ND	112	80-120	5.50	20	
Xylene (p/m)	0.107	0.00100	"	0.100	ND	107	80-120	1.89	20	
Xylene (o)	0.0589	0.00100	"	0.0500	ND	118	80-120	1.71	20	
Surrogate: a,a,a-Trifluorotoluene	*59.3*		*ug/l*	*50.0*		*119*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*55.2*		*"*	*50.0*		*110*	*80-120*			

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 EF71110 - General Preparation (WetChem)										
Blank (EF71110-BLK1)				Prepared: 06/07/07 Analyzed: 06/11/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EF71110-DUP1)		**Source: 7F06016-01**		Prepared: 06/07/07 Analyzed: 06/11/07						
Total Dissolved Solids	1270	10.0	mg/L		1210			4.84	20	
Duplicate (EF71110-DUP2)		**Source: 7F06019-03**		Prepared: 06/07/07 Analyzed: 06/11/07						
Total Dissolved Solids	7020	10.0	mg/L		6900			1.72	20	
Batch EF71204 - General Preparation (WetChem)										
Blank (EF71204-BLK1)				Prepared & Analyzed: 06/12/07						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EF71204-BS1)				Prepared & Analyzed: 06/12/07						
Sulfate	10.0	0.500	mg/L	10.0		100	80-120			
Chloride	10.8	0.500	"	10.0		108	80-120			
Calibration Check (EF71204-CCV1)				Prepared & Analyzed: 06/12/07						
Sulfate	10.0		mg/L	10.0		100	80-120			
Chloride	10.8		"	10.0		108	80-120			
Duplicate (EF71204-DUP1)		**Source: 7F06020-03**		Prepared & Analyzed: 06/12/07						
Sulfate	4550	250	mg/L		4670			2.60	20	
Chloride	17500	250	"		18100			3.37	20	
Matrix Spike (EF71204-MS1)		**Source: 7F06020-03**		Prepared & Analyzed: 06/12/07						
Chloride	21100	250	mg/L	5000	18100	60.0	80-120			QM-10
Sulfate	7770	250	"	5000	4670	62.0	80-120			QM-10

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

Project: EME Jct. D-1 Leak
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 EF71309 - General Preparation (WetChem)										
Blank (EF71309-BLK1)				Prepared & Analyzed: 06/13/07						
Total Alkalinity	ND	2.00	mg/L							
Carbonate Alkalinity	ND	0.100	"							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
LCS (EF71309-BS1)				Prepared & Analyzed: 06/13/07						
Bicarbonate Alkalinity	174	2.00	mg/L	200		87.0	85-115			
Duplicate (EF71309-DUP1)		**Source: 7F06017-02**		Prepared & Analyzed: 06/13/07						
Total Alkalinity	348	2.00	mg/L		348			0.00	20	
Reference (EF71309-SRM1)				Prepared & Analyzed: 06/13/07						
Total Alkalinity	250		mg/L	250		100	90-110			

Rice Operating Co.	Project: EME Jct. D-1 Leak	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 EF70807 - 6010B/No Digestion										
Blank (EF70807-BLK1)				Prepared & Analyzed: 06/08/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EF70807-CCV1)				Prepared & Analyzed: 06/08/07						
Calcium	1.78		mg/L	2.00		89.0	85-115			
Magnesium	1.83		"	2.00		91.5	85-115			
Potassium	2.28		"	2.00		114	85-115			
Sodium	1.82		"	2.00		91.0	85-115			
Duplicate (EF70807-DUP1)	**Source: 7F05011-03**			Prepared & Analyzed: 06/08/07						
Calcium	139	4.05	mg/L		139			0.00	20	
Magnesium	29.5	0.360	"		29.8			1.01	20	
Potassium	6.37	0.600	"		6.57			3.09	20	
Sodium	121	2.15	"		124			2.45	20	

Rice Operating Co.	Project: EME Jct. D-1 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

QM-10	LCS/LCSD were analyzed in place of MS/MSD.
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: Brent Barron Date: 6/27/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Kristin Farris Pope kpope@riceswd.com

Project Name: EME Junction D-1 Leak

Company Name: RICE Operating Company

Project #:

Company Address: 122 W. Taylor Street

Project Loc: T20S-R36E-SecD 1 ~ Lea County New Mexico

City/State/Zip: Hobbs, New Mexico 88240

PO #:

Telephone No: (505) 393-9174 Fax No: (505) 397-1471

Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Rozanne Johnson (505)631-9310 e-mail: rozanne@valornet.com

(lab use only)

ORDER #: 7060720

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (2) 40 ml glass vials	H_2SO_4	NaOH	$Na_2S_2O_3$	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH 418.1	TPH 8015M	TPH TX 1005	TPH TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se (TCLP)	Metals: As Ag Ba Cd Cr Pb Hg Se (TOTAL)	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Scheduled) 24, 48, 72 hrs	Standard TAT
783039																																				
01	Monitor Well #1			6/4/2007	10:15		3	X		2				1			GW					X	X						X			X				X
02	Monitor Well #2			6/4/2007	8:40		3	X		2				1			GW					X	X						X			X				X
03	Monitor Well #3			6/4/2007	11:20		3	X		2				1			GW					X	X						X			X				X
04	Monitor Well #4			6/4/2007	9:30		3	X		2				1			GW					X	X						X			X				X

Special Instructions:
Please email to: kpope@riceswd.com matt@riceswd.com rozanne@valornet.com
jpurvis@riceswd.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	6/6/07	8:45	Mary Morton	6/6/07	8:46
Relinquished by:	Date	Time	Received by:	Date	Time
Mary Morton	6/6/07				
Relinquished by:	Date	Time	Received by ELOT: Andrea Lomn	Date: 6-6-07	Time: 12:51

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep ? Y N
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 2.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 6-6-07 12:51

Lab ID #: 706020

Initials: AL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	2.0 °C	
#2 Shipping container in good condition?	(Yes)	No		
#3 Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5 Chain of Custody present?	(Yes)	No		
#6 Sample instructions complete of Chain of Custody?	(Yes)	No		
#7 Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8 Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11 Containers supplied by ELOT?	(Yes)	No		
#12 Samples in proper container/ bottle?	(Yes)	No	See Below	
#13 Samples properly preserved?	(Yes)	No	See Below	
#14 Sample bottles intact?	(Yes)	No		
#15 Preservations documented on Chain of Custody?	(Yes)	No		
#16 Containers documented on Chain of Custody?	(Yes)	No		
#17 Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18 All samples received within sufficient hold time?	(Yes)	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20 VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/21/07
Reporting Date: 08/27/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION D-1 LEAK
Project Location: T20S-R36E-SEC1 D ~ LEA COUNTY - NEW MEXICO

Sampling Date: 08/20/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:		08/21/07	08/23/07	08/23/07	08/23/07	08/22/07	08/23/07
H13142-1	MONITOR WELL #1	9,570	592	331	145	40100	408
H13142-2	MONITOR WELL #2	7,400	446	383	98.5	31300	388
H13142-3	MONITOR WELL #3	9,633	605	286	150	39300	420
H13142-4	MONITOR WELL #4	10,114	579	270	105	40300	416
Quality Control		NR	51.9	49.2	1.94	1423	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	104	98.4	97.0	101	NR
Relative Percent Difference		NR	8.0	6.3	2.1	0.3	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		08/22/07	08/22/07	08/23/07	08/23/07	08/22/07	08/22/07
H13142-1	MONITOR WELL #1	13,096	4,780	0	498	6.89	29,024
H13142-2	MONITOR WELL #2	8,997	5,610	0	473	7.11	22,820
H13142-3	MONITOR WELL #3	12,696	5,300	0	512	6.92	28,292
H13142-4	MONITOR WELL #4	13,196	5,450	0	508	6.98	28,968
Quality Control		500	25.6	NR	939	6.95	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	103	NR	93.9	99.3	NR
Relative Percent Difference		< 0.1	1.0	NR	1.4	< 0.1	NR
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Chemist

08-27-07
Date

H13142 RICE

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/21/07
Reporting Date: 08/23/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION D-1 LEAK
Project Location: T20S-R36E-SEC1 D ~ LEA COUNTY, NM

Sampling Date: 08/20/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		08/22/07	08/22/07	08/22/07	08/22/07
H13142-1	MONITOR WELL #1	<0.002	<0.002	<0.002	<0.006
H13142-2	MONITOR WELL #2	<0.002	<0.002	<0.002	<0.006
H13142-3	MONITOR WELL #3	<0.002	<0.002	<0.002	<0.006
H13142-4	MONITOR WELL #4	<0.002	<0.002	<0.002	<0.006
Quality Control		0.093	0.091	0.093	0.264
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.8	91.2	93.4	88.0
Relative Percent Difference		2.8	2.6	1.6	1.2

METHOD: EPA SW-846 8260

Chemist

8/27/07
Date

101 East Marland - Hobbs, New Mexico 88240
Tel (505) 393-2326
Fax (505) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company — PO#
Project Manager: Kristin Farris-Pope, Project Scientist	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (505) 393-9174 — Fax#: (505)397-1471
Phone #: (505) 393-9174 — Fax #: (505)397-1471	
Project #: — Project Name: EME Junction D-1 Leak	
Project Location: T20S-R36E-Sec1 D ~ Lea County - New Mexico	Sampler Signature: — Rozanne Johnson (505)631-9310 rozanne@valornet.com

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2007)	TIME
H13142-1	Monitor Well #1	G	3	X				2				1		8-20	14:30
-2	Monitor Well #2	G	3	X				2				1		8-20	12:50
-3	Monitor Well #3	G	3	X				2				1		8-20	15:50
-4	Monitor Well #4	G	3	X				2				1		8-20	13:40

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
	X																X	X	X		
	X																X	X	X		
	X																X	X	X		
	X																X	X	X		

Relinquished by: Rozanne Johnson — Date: 8-21-07 — Time: 8:01 AM

Received by: — Date: — Time:

Phone Results: [ ] Yes [ ] No

Fax Results: [ ] Yes [ ] No — Additional Fax Number:

Relinquished by: — Date: — Time:

Received By: (Laboratory Staff) Burgess Jr Cooke — Date: 8-21-07 — Time: 8:01 AM

REMARKS: 4 - cut BTEX → 780 w

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Sample Condition: Cool Yes [X] No [X] — Intact Yes [ ] No [ ]

CHECKED BY: (Initials)

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/08/07
Reporting Date: 11/19/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION D-1 LEAK
Project Location: T20S R36E SEC1 D - LEA COUNTY, NM

Sampling Date: 11/06/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		11/08/07	11/08/07	11/08/07	11/08/07
H13667-1	MONITOR WELL # 1	<0.001	<0.001	<0.001	<0.003
H13667-2	MONITOR WELL # 2	<0.001	<0.001	<0.001	<0.003
H13667-3	MONITOR WELL # 3	<0.001	<0.001	<0.001	<0.003
H13667-4	MONITOR WELL # 4	<0.001	<0.001	<0.001	<0.003
Quality Control		0.111	0.109	0.110	0.331
True Value QC		0.100	0.100	0.100	0.300
% Recovery		111	109	110	110
Relative Percent Difference		10.6	3.9	2.9	3.8

METHOD: EPA SW-846 8021B

Chemist

11/19/07
Date

H13667b Rice

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/08/07
Reporting Date: 11/15/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION D-1 LEAK
Project Location: T20S-R36E-SEC1 D~LEA COUNTY, NM

Sampling Date: 11/06/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:		11/14/07	11/14/07	11/14/07	11/14/07	11/09/07	11/09/07
H13667-1	MONITOR WELL #1	9,608	506	339	135	41,300	492
H13667-2	MONITOR WELL #2	7,893	323	222	90.0	31,500	464
H13667-3	MONITOR WELL #3	10,997	432	363	190	44,900	528
H13667-4	MONITOR WELL #4	9,271	419	274	84.3	37,800	468
Quality Control		NR	49.2	52.4	3.10	1,389	NR
True Value QC		NR	50.0	50.0	3.00	1,404	NR
% Recovery		NR	98.4	105	103	98.9	NR
Relative Percent Difference		NR	< 0.1	1.5	12.7	0.5	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		11/09/07	11/12/07	11/09/07	11/09/07	11/09/07	11/13/07
H13667-1	MONITOR WELL #1	13,400	4,180	0	600	6.87	29,255
H13667-2	MONITOR WELL #2	9,200	5,350	0	566	7.10	22,905
H13667-3	MONITOR WELL #3	14,900	5,001	0	644	6.96	32,095
H13667-4	MONITOR WELL #4	11,900	5,001	0	571	7.04	26,419
Quality Control		500	24.3	NR	1000	6.99	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	97.0	NR	100	99.9	NR
Relative Percent Difference		< 0.1	3.5	NR	< 0.1	< 0.1	NR
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Kristin Farris-Pope
Chemist

11/15/07
Date

H13667 RICE

101 East Marland - Hobbs, New Mexico 88240
Tel (505) 393-2326
Fax (505) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name:	BILL TO Company:	PO#
RICE Operating Company	RICE Operating Company	
Project Manager:	**Address:** (Street, City, Zip)	
Kristin Farris-Pope, Project Scientist	122 W Taylor Street ~ Hobbs, New Mexico 88240	
Address: (Street, City, Zip)	**Phone#:**	**Fax#:**
122 W Taylor Street ~ Hobbs, New Mexico 88240	(505) 393-9174	(505)397-1471
Phone #:	**Fax #:**	
(505) 393-9174	(505)397-1471	
Project #:	**Project Name:**	
	EME Junction D-1 Leak	
Project Location:	**Sampler Signature:**	Rozanne Johnson (505)631-9310
T20S-R36E-Sec1 D ~ Lea County - New Mexico		rozanne@valornet.com

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE		PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2007)	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
H13667-1	Monitor Well #1	G	3	X					2				1		11-6	11:15		X																X	X	X		
2	Monitor Well #2	G	3	X					2				1		11-6	9:40		X																X	X	X		
3	Monitor Well #3	G	3	X					2				1		11-6	12:45		X																X	X	X		
4	Monitor Well #4	G	3	X					2				1		11-6	10:20		X																X	X	X		

Relinquished by: Rozanne Johnson	Date: 11-8-07	Time: 11:20	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff) Sue Barnes	Date: 11/08/07 Time: 11:20

Phone Results		Yes	No
Fax Results		Yes	No Additional Fax Number:

REMARKS:

Email Results to: kpope@riceswd.com
lweinheimer@riceswd.com
rozanne@valornet.com

Delivered By: (Circle One)
Sampler UPS - Bus - Other:

Sample Condition: Cool — Yes ☑ / No ☐; Intact — Yes ☑ / No ☐

CHECKED BY: (Initials) Sue

ATTACHMENT C

Field Data Forms

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: February 27, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 42.59 Feet

DEPTH TO WATER: 36.99 Feet

HEIGHT OF WATER COLUMN: 5.60 Feet

WELL VOLUME: 0.9 Gal.

2 In. Well Diameter

5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
14:45	20.2	35.83	6.93	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: June 4, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 42.59 Feet
DEPTH TO WATER: 37.36 Feet
HEIGHT OF WATER COLUMN: 5.23 Feet
WELL VOLUME: 0.8 Gal.

2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:15	20.7	38.1	6.90	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: August 20, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 42.59 Feet

DEPTH TO WATER: 37.71 Feet

HEIGHT OF WATER COLUMN: 4.88 Feet

WELL VOLUME: 0.8 Gal.

2 In. Well Diameter

4 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
14:30	21.2	38.53	6.94	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: November 6, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 42.59 Feet

DEPTH TO WATER: 38.03 Feet

HEIGHT OF WATER COLUMN: 4.56 Feet

WELL VOLUME: 0.7 Gal.

2 In. Well Diameter

4 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:15	19.7	40.21	6.92	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: February 27, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.18 Feet

DEPTH TO WATER: 35.38 Feet

HEIGHT OF WATER COLUMN: 11.80 Feet 2 In. Well Diameter

WELL VOLUME: 1.9 Gal. 8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
13:20	20.5	29.97	6.98	Silt to Clear with no odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: June 4, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.18 Feet
DEPTH TO WATER: 35.87 Feet
HEIGHT OF WATER COLUMN: 11.31 Feet
WELL VOLUME: 1.8 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
8:40	20.0	30.31	6.97	Silt to Clear with no odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: August 20, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.18 Feet

DEPTH TO WATER: 36.19 Feet

HEIGHT OF WATER COLUMN: 10.99 Feet

WELL VOLUME: 1.8 Gal.

2 In. Well Diameter

8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
12:50	20.9	30.9	7.01	Silt to Clear with no odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: November 6, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.18 Feet
DEPTH TO WATER: 36.48 Feet
HEIGHT OF WATER COLUMN: 10.70 Feet
WELL VOLUME: 1.7 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:40	19.7	30.64	6.85	Silt to Clear with no odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: February 27, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.93 Feet

DEPTH TO WATER: 39.00 Feet

HEIGHT OF WATER COLUMN: 8.93 Feet 2 In. Well Diameter

WELL VOLUME: 1.4 Gal. 6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
15:15	20.9	43.99	6.83	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: June 4, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.93 Feet
DEPTH TO WATER: 39.47 Feet
HEIGHT OF WATER COLUMN: 8.46 Feet
WELL VOLUME: 1.4 Gal.

2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:20	20.9	40.36	6.85	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: August 20, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.93 Feet

DEPTH TO WATER: 39.81 Feet

HEIGHT OF WATER COLUMN: 8.12 Feet — 2 In. Well Diameter

WELL VOLUME: 1.3 Gal. — 6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
15:50	21.3	39.77	6.87	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: November 6, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.93 Feet
DEPTH TO WATER: 39.99 Feet
HEIGHT OF WATER COLUMN: 7.94 Feet
WELL VOLUME: 1.3 Gal.

2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
12:45	19.6	43.76	6.98	Silt to Clear with slight odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #4

SYSTEM: EME DATE: December 22, 2006

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.33 Feet

DEPTH TO WATER: 35.97 Feet

HEIGHT OF WATER COLUMN: 11.36 Feet 2 In. Well Diameter

WELL VOLUME: 1.8 Gal. 6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Well is weak and will pump off.
9:10	16.8	36.97	7.28	Clear with no odor.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #4

SYSTEM: EME DATE: June 4, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.33 Feet

DEPTH TO WATER: 36.67 Feet

HEIGHT OF WATER COLUMN: 10.66 Feet

WELL VOLUME: 1.7 Gal.

2 In. Well Diameter

6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:30	20.2	37.72	7.00	Silt to Clear with slight odor. Well pumps dry.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)
				Well Pumps off

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #4

SYSTEM: EME DATE: August 20, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.33 Feet
DEPTH TO WATER: 37.00 Feet
HEIGHT OF WATER COLUMN: 10.33 Feet
WELL VOLUME: 1.7 Gal.

2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
13:40	21.0	34.46	7.02	Silt to Clear with slight odor. Well pumps dry.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)
				Well Pumps off

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #4

SYSTEM: EME DATE: November 6, 2007

SITE LOCATION: Jct. D-1 Leak SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 47.33 Feet
DEPTH TO WATER: 37.32 Feet
HEIGHT OF WATER COLUMN: 10.01 Feet
WELL VOLUME: 1.6 Gal.

2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:20	19.9	36.85	7.00	Silt to Clear with slight odor. Well pumps dry.
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)
				Well Pumps off

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.