

1R - 427-286

REPORTS

DATE:

8-11-08

EME Conoco A-17 EOL
(2 Boxes)

1R427-298

RECEIVED
MAR 25 2009
Environmental Bureau
Oil Conservation Division

Disclosure

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Conoco A-17 EOL (2 boxes)	M	17	19S	37E	Lea	Length	Width	Depth
							moved 150 ft north		

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

Depth to Groundwater 59 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/13/2004 Date Completed 5/6/2005 OCD Witness no

Soil Excavated 241 cubic yards Excavation Length 20 Width 25 Depth 13 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 10/21/2004,
4/15/2005 Sample Depth 13 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH,
BTEX and Chloride laboratory test results completed by using an approved lab and testing
procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	ND	0.177	0.338	1.551	372	1260	319
BOTTOM COMP.	ND	0.286	0.449	1.814	155	520	330
BACKFILL	PID = 141 (field)				340	1970	276
REMEDIATED BACKFILL	PID = 23.1 (field)				39.4	500	179

General Description of Remedial Action: These junction boxes were addressed

under the pipeline replacement/upgrade program. A new, watertight junction box was built 150 ft north of the former. After the former boxes were removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals, producing a 20x25x12-ft-deep hole. Chloride field tests were performed on each sample. Organic vapors were measured using a PID, which yielded elevated levels. The excavated soil was remediated on-site and returned to the excavation to ground surface. An identification plate was placed on the surface of the backfilled site to mark the location of the former junction for future environmental consideration. NMOCD was notified of potential groundwater impact on 5/4/2005.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, PID screenings,

BTEX comparison table, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	368
bottom comp.	13'	321
backfill comp.	n/a	2747
remediated backfill	n/a	198
delineation trench at junction (source)	5'	372
	6'	428
	7'	510
	8'	434
	9'	490
	10'	529
	11'	608
	12'	732

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

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 8-11-08

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

EME Conoco A-17

EOL

Unit M, Section 17, T19S, R37E



undisturbed junction box (1)

1/6/2004



undisturbed junction box (2)
with box (1) on left hand side, facing north

1/6/2004



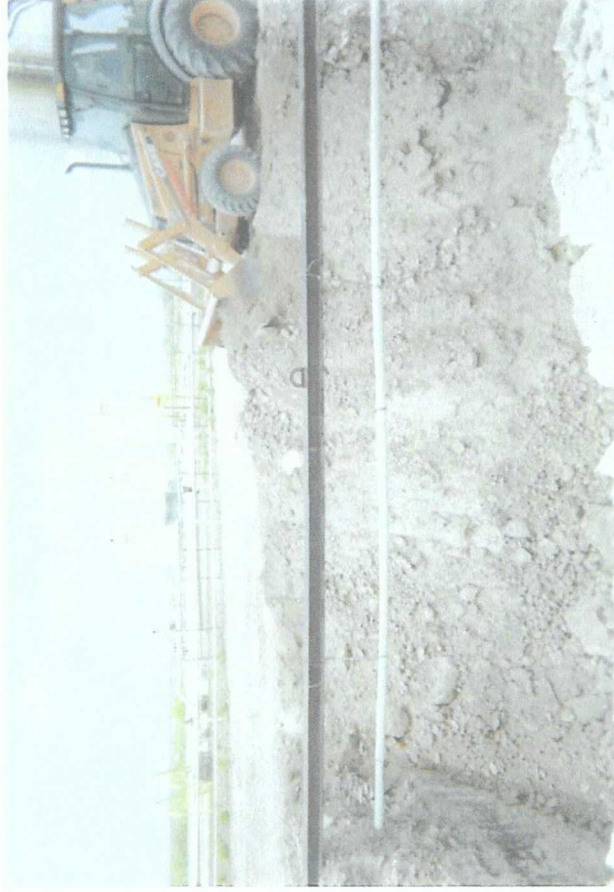
junction boxes removed, facing north

9/1/2004



excavation, facing east

10/25/2004



backfilling excavation, facing west

5/6/2005



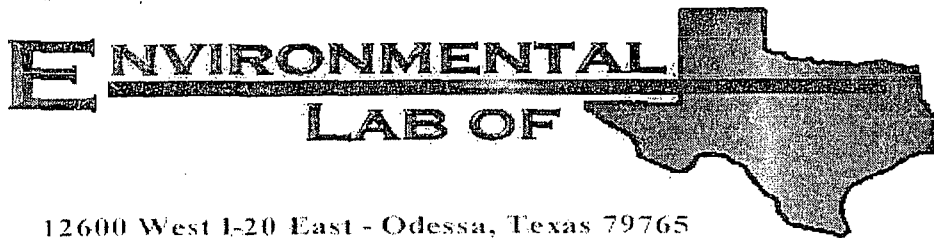
identification plates, facing south

5/16/2005



new, watertight junction box

12/10/2005



Bottom + 4-wall
composites with
BTEX study

10-21-04

COPY

Analytical Report

Prepared for:

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

Project: EME Conoco Phillips A-17 EOL & JCT K-17 Boost

Project Number: None Given

Location: None Given

Lab Order Number: 4J25004

Report Date: 10/28/04

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

Project: EME Conoco Phillips A-17 EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
10/28/04 08:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bttm Field Comp @ 13'	4J25004-01	Soil	10/21/04 16:15	10/24/04 14:00
4 Wall Field Comp.	4J25004-02	Soil	10/21/04 16:30	10/24/04 14:00
Remed. Dirt 5 pt Comp.	4J25004-03	Soil	10/22/04 10:10	10/24/04 14:00
4 Wall Lab Comp.	4J25004-04	Soil	10/21/04 00:00	10/24/04 14:00
Bottom Lab Comp.	4J25004-05	Soil	10/21/04 00:00	10/24/04 14:00

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

Project: EME Conoco Phillips A-17 EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
10/28/04 08:20

Organics by GC
Environmental Lab of Texas

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bttm Field Comp @ 13' (4J25004-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ42716	10/26/04	10/26/04	EPA 8021B	
Toluene	0.286	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.449	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.51	0.0250	"	"	"	"	"	"	
Xylene (o)	0.304	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		123 %	80-120		"	"	"	"	S-04
Gasoline Range Organics C6-C12	155	10.0	mg/kg dry	1	EJ42514	10/25/04	10/25/04	EPA 8015M	
Diesel Range Organics >C12-C35	520	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	675	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		95.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		99.8 %	70-130		"	"	"	"	
4 Wall Field Comp. (4J25004-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ42716	10/26/04	10/26/04	EPA 8021B	
Toluene	0.177	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.338	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.23	0.0250	"	"	"	"	"	"	
Xylene (o)	0.321	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.8 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		116 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	372	10.0	mg/kg dry	1	EJ42514	10/25/04	10/25/04	EPA 8015M	
Diesel Range Organics >C12-C35	1260	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1630	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		95.2 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		96.2 %	70-130		"	"	"	"	
Remed. Dirt 5 pt Comp. (4J25004-03) Soil									
Gasoline Range Organics C6-C12	340	10.0	mg/kg dry	1	EJ42514	10/25/04	10/25/04	EPA 8015M	
Diesel Range Organics >C12-C35	1970	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	2310	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		98.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		99.8 %	70-130		"	"	"	"	

Rice Operating Co.
122 W. Taylor
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Organics by GC
Environmental Lab of Texas

COPY

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4 Wall Lab Comp. (4J25004-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ42716	10/26/04	10/26/04	EPA 8021B	
Toluene	0.203	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.479	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.69	0.0250	"	"	"	"	"	"	
Xylene (o)	0.383	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		132 %	80-120		"	"	"	"	S-04

Bottom Lab Comp. (4J25004-05) Soil

Benzene	ND	0.0250	mg/kg dry	25	EJ42716	10/26/04	10/26/04	EPA 8021B	
Toluene	0.150	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.352	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.09	0.0250	"	"	"	"	"	"	
Xylene (o)	0.236	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		119 %	80-120		"	"	"	"	

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

Project: EME Conoco Phillips A-17 EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
10/28/04 08:20

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

COPY

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bttm Field Comp @ 13' (4J25004-01) Soil									
Chloride	330	20.0	mg/kg Wet	2	EJ42612	10/25/04	10/26/04	SW 846 9253	
% Moisture	9.0		%	1	EJ42603	10/25/04	10/26/04	% calculation	
4 Wall Field Comp. (4J25004-02) Soil									
Chloride	319	20.0	mg/kg Wet	2	EJ42612	10/25/04	10/26/04	SW 846 9253	
% Moisture	10.0		%	1	EJ42603	10/25/04	10/26/04	% calculation	
Remed. Dirt 5 pt Comp. (4J25004-03) Soil									
Chloride	276	20.0	mg/kg Wet	2	EJ42612	10/25/04	10/26/04	SW 846 9253	
% Moisture	17.0		%	1	EJ42603	10/25/04	10/26/04	% calculation	
4 Wall Lab Comp. (4J25004-04) Soil									
% Moisture	11.0		%	1	EJ42603	10/25/04	10/26/04	% calculation	
Bottom Lab Comp. (4J25004-05) Soil									
% Moisture	9.0		%	1	EJ42603	10/25/04	10/26/04	% calculation	

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

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Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
10/28/04 08:20

Organics by GC - Quality Control
Environmental Lab of Texas

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ42514 - Solvent Extraction (GC)

Blank (EJ42514-BLK1)

Prepared & Analyzed: 10/25/04

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	37.4		mg/kg	50.0		74.8	70-130			
Surrogate: 1-Chlorooctadecane	40.5		"	50.0		81.0	70-130			

LCS (EJ42514-BS1)

Prepared & Analyzed: 10/25/04

Gasoline Range Organics C6-C12	452	10.0	mg/kg wet	500		90.4	75-125			
Diesel Range Organics >C12-C35	488	10.0	"	500		97.6	75-125			
Total Hydrocarbon C6-C35	940	10.0	"	1000		94.0	75-125			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.4	70-130			
Surrogate: 1-Chlorooctadecane	46.6		"	50.0		93.2	70-130			

Calibration Check (EJ42514-CCV1)

Prepared & Analyzed: 10/25/04

Gasoline Range Organics C6-C12	473		mg/kg	500		94.6	80-120			
Diesel Range Organics >C12-C35	533		"	500		107	80-120			
Total Hydrocarbon C6-C35	1010		"	1000		101	80-120			
Surrogate: 1-Chlorooctane	50.9		"	50.0		102	70-130			
Surrogate: 1-Chlorooctadecane	49.9		"	50.0		99.8	70-130			

Matrix Spike (EJ42514-MS1)

Source: 4J25002-01

Prepared & Analyzed: 10/25/04

Gasoline Range Organics C6-C12	599	10.0	mg/kg dry	575	ND	104	75-125			
Diesel Range Organics >C12-C35	631	10.0	"	575	ND	110	75-125			
Total Hydrocarbon C6-C35	1230	10.0	"	1150	ND	107	75-125			
Surrogate: 1-Chlorooctane	53.9		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	50.1		"	50.0		100	70-130			

Matrix Spike Dup (EJ42514-MSD1)

Source: 4J25002-01

Prepared & Analyzed: 10/25/04

Gasoline Range Organics C6-C12	607	10.0	mg/kg dry	575	ND	106	75-125	1.33	20	
Diesel Range Organics >C12-C35	640	10.0	"	575	ND	111	75-125	1.42	20	
Total Hydrocarbon C6-C35	1250	10.0	"	1150	ND	109	75-125	1.61	20	
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	50.5		"	50.0		101	70-130			

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

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Project Manager: Roy Rascon

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10/28/04 08:20

Organics by GC - Quality Control
Environmental Lab of Texas

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ42716 - EPA 5030C (GC)

Blank (EJ42716-BLK1)

Prepared: 10/26/04 Analyzed: 10/27/04

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	87.0		ug/kg	100		87.0	80-120			
Surrogate: 4-Bromofluorobenzene	103		"	100		103	80-120			

LCS (EJ42716-BS1)

Prepared & Analyzed: 10/26/04

Benzene	115		ug/kg	100		115	80-120			
Toluene	108		"	100		108	80-120			
Ethylbenzene	105		"	100		105	80-120			
Xylene (p/m)	240		"	200		120	80-120			
Xylene (o)	115		"	100		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	111		"	100		111	80-120			
Surrogate: 4-Bromofluorobenzene	119		"	100		119	80-120			

Calibration Check (EJ42716-CCV1)

Prepared: 10/26/04 Analyzed: 10/27/04

Benzene	99.0		ug/kg	100		99.0	80-120			
Toluene	92.9		"	100		92.9	80-120			
Ethylbenzene	96.9		"	100		96.9	80-120			
Xylene (p/m)	218		"	200		109	80-120			
Xylene (o)	104		"	100		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	103		"	100		103	80-120			
Surrogate: 4-Bromofluorobenzene	114		"	100		114	80-120			

Matrix Spike (EJ42716-MS1)

Source: 4J25002-01

Prepared: 10/26/04 Analyzed: 10/27/04

Benzene	88.8		ug/kg	100	ND	88.8	80-120			
Toluene	91.2		"	100	ND	91.2	80-120			
Ethylbenzene	97.3		"	100	ND	97.3	80-120			
Xylene (p/m)	220		"	200	ND	110	80-120			
Xylene (o)	106		"	100	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	104		"	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	118		"	100		118	80-120			

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

Project: EME Conoco Phillips A-17 EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
10/28/04 08:20

Organics by GC - Quality Control
Environmental Lab of Texas

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ42716 - EPA 5030C (GC)

Matrix Spike Dup (EJ42716-MSD1)

Source: 4J25002-01

Prepared: 10/26/04 Analyzed: 10/27/04

Benzene	92.0		ug/kg	100	ND	92.0	80-120	3.54	20	
Toluene	93.6		"	100	ND	93.6	80-120	2.60	20	
Ethylbenzene	102		"	100	ND	102	80-120	4.72	20	
Xylene (p/m)	233		"	200	ND	116	80-120	5.31	20	
Xylene (o)	113		"	100	ND	113	80-120	6.39	20	
Surrogate: a,a,a-Trifluorotoluene	104		"	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	118		"	100		118	80-120			

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

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

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ42603 - General Preparation (Prep)

Blank (EJ42603-BLK1)

Prepared: 10/25/04 Analyzed: 10/26/04

% Moisture 0.0 %

Duplicate (EJ42603-DUP1)

Source: 4J25004-01

Prepared: 10/25/04 Analyzed: 10/26/04

% Moisture 9.0 % 9.0 0.00 20

Batch EJ42612 - Water Extraction

Blank (EJ42612-BLK1)

Prepared: 10/22/04 Analyzed: 10/26/04

Chloride ND 20.0 mg/kg Wet

Matrix Spike (EJ42612-MS1)

Source: 4J21010-01

Prepared: 10/22/04 Analyzed: 10/26/04

Chloride 510 20.0 mg/kg Wet 500 0.00 102 80-120

Matrix Spike Dup (EJ42612-MSD1)

Source: 4J21010-01

Prepared: 10/22/04 Analyzed: 10/26/04

Chloride 520 20.0 mg/kg Wet 500 0.00 104 80-120 1.94 20

Reference (EJ42612-SRM1)

Prepared & Analyzed: 10/26/04

Chloride 5000 mg/kg 5000 100 80-120

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

Project: EME Conoco Phillips A-17 EOL
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
10/28/04 08:20

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

COPY

Report Approved By: Raland K. Tuttle Date: 10-28-04

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Biezugbe, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature: Roy R. Rascon

Project Name: EME Conoco Phillips A-17 EOL
Project #: _____
Project Loc: _____
PO #: _____

LAB # (date, use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	PRESERVATIVE										MATRIX										ANALYZE FOR:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TDS / CL / SAR / EC	TPH 118.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatiles	BTEX 0021B/5030	Standard TAT				RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
4225004	SP#1 EAST WALL (E.W.)	10-21-04	1340	1	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</

Special Instructions: COMBINED SP 1-5 FOR E.W., S.W., W.W., & BTEX (BTEX Study) LAB COMP. in Report
1-Composite, RUSH TAT (Pre-Schedule)
Sample Containers intact? Y
Temperature Upon Receipt: 4.0 C
Laboratory Comments: LAB COMP. in Report

Relinquished by: <u>Roy R. Rascon</u>	Date: <u>10-22-04</u>	Time: <u>500</u>	Received by:	Date:	Time:
Relinquished by: <u>[Signature]</u>	Date: <u>10-23-04</u>	Time: <u>12:00</u>	Received by: <u>Raland K. Tull</u>	Date: <u>10-24-04</u>	Time: <u>1400</u>

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763

COPY

Phone: 915-563-1800
Fax: 915-563-4713

Project Manager: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No.: (505) 393-9174
Sample Signature: Roy R. Rascon

Project Name: ENIE Conce Phillips A-17 EOL
Project #: _____
Project Loc: _____
PO #: _____

Chain of Custody Record and Analysis Request

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative										Matrix					Analyze For:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify)	TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 80218/5030	TCLP:	TOTAL:	RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	SP#1 West Wall (W.W.)	10-21-04	300	1	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</

Special Instructions:

Relinquished by: Roy R. Rascon Date: 10-22-04 Time: 5:00

Relinquished by: Raland K. Mello Date: 10-24-04 Time: 1400

Received by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Sample Containers Intact? Y N

Temperature Upon Receipt: _____

Laboratory Comments: 4.00

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: KINE CAGE Phillips A-17 EOL

Project #:

Project Loc:

PO #:

Fax No: (505) 397-1471

Sampler Signature: *[Signature]* 1627

LAB # (Lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative						Matrix				Analyze For:						
					HClO ₄	HNO ₃	HCl	NaOH	H ₂ SO ₄	NONE	Other (Specify)	Water	Sediment	Soil	Other (specify)	TDS (CL SAR / EC)	TPH 418.1	TPH TX 100S/100S	TPH 80:5M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles
SP#1 BTM @ 13'	10-21-04	338	1	☒																	
SP#2		341	1	☒																	
SP#3		345	1	☒																	
SP#4		348	1	☒																	
SP#5		351	1	☒																	
-01 BTM Field Comp @ 13'	10-21-04	351	1	☒																	
-02 4 Well Field Comp.	10-21-04	351	1	☒																	
-03 Repted. Dirt SW Comp.	10-22-04	1010	1	☒																	
-04 4 Well Lab Comp.	10-25-04		1	☒																	
-05 Bottom Lab Comp.	10-25-04		1	☒																	

Special Instructions: Composite SP#1 - 45' IN LAB FOR ONE COMPOSITE RPTED. DIRT SW COMP. BTEX

(BTEX Study) Label AS "Bottom Lab Comp."

Received by: [Signature] Date: 10-22-04 Time: 500

Relinquished by: [Signature] Date: 10-25-04 Time: 11:00

Received by: [Signature] Date: 10-24-04 Time: 1400

Jeanne McMurrey

From: "Roy Rascon" <rroyriceswd@leaco.net>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Monday, October 25, 2004 12:44 PM
Subject: Conoco A-17 EOL

COPY

Field Bottom and Four Wall time refer to jar and not COC.

--

This message has been scanned for viruses and dangerous content by MailScanner at **BasinBroadBand.com**, and is believed to be clean.

10/25/04

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating Co.

Date/Time: 10-25-04 @ 0830

Order #: 4J25004

Initials: JMM

COPY

Sample Receipt Checklist

Temperature of container/cooler?	☒ Yes	☐ No	4.0	C
Shipping container/cooler in good condition?	☒ Yes	☐ No		
Custody Seals intact on shipping container/cooler?	☒ Yes	☐ No	<u>Not present</u>	
Custody Seals intact on sample bottles?	☒ Yes	☐ No	<u>Not present</u>	
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	* see below	
Container labels legible and intact?	☒ Yes	☐ No		
Sample Matrix and properties same as on chain of custody?	☒ Yes	☐ No		
Samples in proper container/bottle?	☒ Yes	☐ No		
Samples properly preserved?	☒ Yes	☐ No		
Sample bottles intact?	☒ Yes	☐ No		
Preservations documented on Chain of Custody?	☒ Yes	☐ No		
Containers documented on Chain of Custody?	☒ Yes	☐ No		
Sufficient sample amount for indicated test?	☒ Yes	☐ No		
All samples received within sufficient hold time?	☒ Yes	☐ No		
VOC samples have zero headspace?	☒ Yes	☐ No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: - Roy Reason Date/Time: 10-25-04 @ 1010 Contacted by: Jeanne M. Munn
Regarding:

* discrepancy of sample times on 2 samples

Corrective Action Taken:

* Client said to take the time on the container
not the COC. Roy will e-mail confirmation on
this when he gets to the office

Roy Rascon

From: "Jeanne McMurrey" <jeanne@elabtexas.com>
To: "Roy Rascon" <rroyriceswd@leaco.net>
Sent: Monday, October 25, 2004 12:13 PM
Subject: Re: Conoco A-17 EOL

Thanks Roy...Jeanne

COPY

----- Original Message -----

From: Roy Rascon
To: Jeanne McMurrey
Sent: Monday, October 25, 2004 12:44 PM
Subject: Conoco A-17 EOL

Field Bottom and Four Wall time refer to jar and not COC.

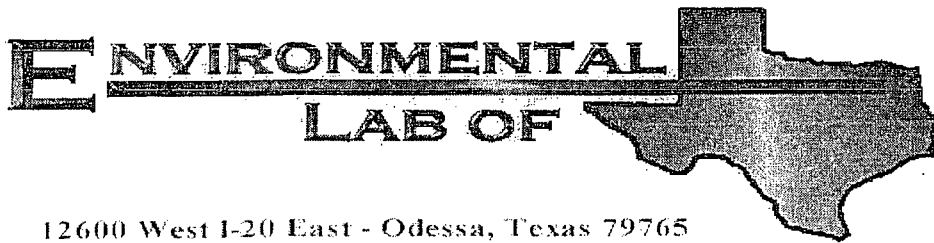
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10/28/2004



Remediated Backfill
4-15-05

12600 West I-20 East - Odessa, Texas 79765

COPY

Analytical Report

Prepared for:

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

Project: EME Jct. K-17/ Jct. A-17 eol

Project Number: None Given

Location: None Given

Lab Order Number: 5D22004

Report Date: 04/26/05

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

Project: EME Jct. K-17/ Jct. A-17 eol
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/05 14:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Remediated Backfill	5D22004-01	Soil	04/15/05 13:00	04/22/05 07:50

COPY

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

Project: EME Jct. K-17/ Jct. A-17 eol
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/05 14:13

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Remediated Backfill (SD22004-01) Soil									
Gasoline Range Organics C6-C12	39.4	10.0	mg/kg dry	1	ED52212	04/22/05	04/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	500	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	539	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		88.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		87.8 %	70-130		"	"	"	"	

COPY

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

Project: EME Jct. K-17/ Jct. A-17 eol
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/05 14:13

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	ANALYZED	Method	Notes
Remediated Backfill (5D22004-01) Soil									
Chloride	179	10.0	mg/kg	20	ED52606	04/25/05	04/25/05	EPA 300.0	
% Moisture	10.8	0.1	%	1	ED52501	04/22/05	04/25/05	% calculation	

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

Project: EME Jct. K-17/ Jct. A-17 eol
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/05 14:13

Organics by GC - Quality Control
Environmental Lab of Texas

COPY

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch ED52212 - Solvent Extraction (GC)

Blank (ED52212-BLK1)

Prepared: 04/22/05 Analyzed: 04/25/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	36.5		mg/kg	50.0		73.0	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			

LCS (ED52212-BS1)

Prepared: 04/22/05 Analyzed: 04/24/05

Gasoline Range Organics C6-C12	473	10.0	mg/kg wet	500		94.6	75-125			
Diesel Range Organics >C12-C35	514	10.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	987	10.0	"	1000		98.7	75-125			
Surrogate: 1-Chlorooctane	38.2		mg/kg	50.0		76.4	70-130			
Surrogate: 1-Chlorooctadecane	35.8		"	50.0		71.6	70-130			

Calibration Check (ED52212-CCV1)

Prepared: 04/22/05 Analyzed: 04/24/05

Gasoline Range Organics C6-C12	434		mg/kg	500		86.8	80-120			
Diesel Range Organics >C12-C35	488		"	500		97.6	80-120			
Total Hydrocarbon C6-C35	922		"	1000		92.2	80-120			
Surrogate: 1-Chlorooctane	49.9		"	50.0		99.8	70-130			
Surrogate: 1-Chlorooctadecane	45.3		"	50.0		90.6	70-130			

Matrix Spike (ED52212-MS1)

Source: 5D22003-15

Prepared: 04/22/05 Analyzed: 04/25/05

Gasoline Range Organics C6-C12	480	10.0	mg/kg dry	541	31.7	82.9	75-125			
Diesel Range Organics >C12-C35	559	10.0	"	541	38.5	96.2	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1080	70.2	89.8	75-125			
Surrogate: 1-Chlorooctane	55.7		mg/kg	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	49.7		"	50.0		99.4	70-130			

Matrix Spike Dup (ED52212-MSD1)

Source: 5D22003-15

Prepared: 04/22/05 Analyzed: 04/25/05

Gasoline Range Organics C6-C12	480	10.0	mg/kg dry	541	31.7	82.9	75-125	0.00	20	
Diesel Range Organics >C12-C35	547	10.0	"	541	38.5	94.0	75-125	2.17	20	
Total Hydrocarbon C6-C35	1030	10.0	"	1080	70.2	88.9	75-125	0.966	20	
Surrogate: 1-Chlorooctane	54.6		mg/kg	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	51.1		"	50.0		102	70-130			

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

Project: EME Jct. K-17/ Jct. A-17 eol
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/05 14:13

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 ED52501 - General Preparation (Prep)

Blank (ED52501-BLK1)

Prepared: 04/22/05 Analyzed: 04/25/05

% Moisture	ND	0.1	%							
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Duplicate (ED52501-DUP1)

Source: 5D21010-01

Prepared: 04/22/05 Analyzed: 04/25/05

% Moisture	12.8	0.1	%		13.0			1.55	20	
------------	------	-----	---	--	------	--	--	------	----	--

Batch ED52606 - Water Extraction

Blank (ED52606-BLK1)

Prepared & Analyzed: 04/25/05

Chloride	ND	0.500	mg/kg							
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LCS (ED52606-BS1)

Prepared & Analyzed: 04/25/05

Chloride	10.8		mg/L	10.0		108	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

Calibration Check (ED52606-CCV1)

Prepared & Analyzed: 04/25/05

Chloride	10.3		mg/L	10.0		103	80-120			
----------	------	--	------	------	--	-----	--------	--	--	--

Duplicate (ED52606-DUP1)

Source: 5D22004-01

Prepared & Analyzed: 04/25/05

Chloride	176	10.0	mg/kg		179			1.69	20	
----------	-----	------	-------	--	-----	--	--	------	----	--

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

Project: EME Jct. K-17/ Jct. A-17 eol
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
04/26/05 14:13

Notes and Definitions

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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: 4-26-05

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Y
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name:

Project #:

Project Loc:

PO#:

Fax No: 505-397-1471

Korak Jurek

[illegible]

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

Client: Rice Operating
 Date/Time: 4/22/05 11:30
 Order #: 5D22004
 Initials: ck

COPY

Sample Receipt Checklist

Temperature of container/cooler?	☐ Yes	☐ No	<u>3.0</u>	<u>C</u>
Shipping container/cooler in good condition?	☒ Yes	☐ No		
Custody Seals intact on shipping container/cooler?	☒ Yes	☐ No	Not present	
Custody Seals intact on sample bottles?	☒ Yes	☐ No	Not present	
Chain of custody present?	☒ Yes	☐ No		
Sample instructions complete on Chain of Custody?	☒ Yes	☐ No		
Chain of Custody signed when relinquished and received?	☒ Yes	☐ No		
Chain of custody agrees with sample labels?	☒ Yes	☐ No		
Container labels legible and intact?	☒ Yes	☐ No		
Sample Matrix and properties same as on chain of custody?	☒ Yes	☐ No		
Samples in proper container/bottle?	☒ Yes	☐ No		
Samples properly preserved?	☒ Yes	☐ No		
Sample bottles intact?	☒ Yes	☐ No		
Preservations documented on Chain of Custody?	☒ Yes	☐ No		
Containers documented on Chain of Custody?	☒ Yes	☐ No		
Sufficient sample amount for indicated test?	☒ Yes	☐ No		
All samples received within sufficient hold time?	☒ Yes	☐ No		
VGC samples have zero headspace?	☒ Yes	☐ No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: _____ Data/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:

HOBBS, NEW MEXICO 8824
PHONE: (505) 393-9174 FAX: (505) 391-1471
VOC FIELD TEST REPORT FORM
MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
AIR

LOT NO: 03-2475
EXP. DATE: 1-7-06
METER READING
ACCURACY: 100.1

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 7-7-04
ACCURACY: 100.0(+-) 2%

COPY

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	Comocophill A-17EOL	7M	17	19	37

4 JCT K-17

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5 PT Comp 13'	949		
5 PT Comp 4WALL	634		

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

Ray L. Larson
Signature

10-21-04
Date

HOBBS, NEW MEXICO 8824
PHONE: (505) 393-9174 FAX: (505) 391-1471
VOC FIELD TEST REPORT FORM
MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
AIR
LOT NO: 03-2475
EXP. DATE: 1-7-06
METER READING
ACCURACY: 100.0

SERIAL NO: 104412
100 PPM
BALANCE
FILL DATE: 7-7-04
ACCURACY: 100.0 (+/-) 2%

COPY

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	CONOCO Phillips A-17 EOL- #	M	17	19	37

ICT K-17

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Remed. Soil 5PT	141		
Comp.			

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

Ray R. Rascon
Signature

10-22-04
Date

EME K-17

4-15-03 Sent Remediated backfill to the lab

Cl. 198 PID 23.1

COPY

Israel Guary

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: EME
Site: Conoco A-17 EOL

Date: 10/21/2004
Sampler: Roy Rascon

Laboratory: Environmental Lab
of Texas

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 13 ft BGS	1	1,433.0	ND	0.286	0.449	1.814
	2	55.4				
	3	4.4				
	4	2.4				
	5	4.5				
			LAB COMPOSITE (mg/kg)			
			ND	0.150	0.352	1.326

Location	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
		Benzene	Toluene	Ethyl Benzene	Total Xylenes
4-WALL COMPOSITE from 20x25x12	634.0	ND	0.177	0.338	1.551
		LAB COMPOSITE (mg/kg)			
		ND	0.203	0.479	2.073

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME Conoco A-17 EOL

unit 'M', Sec. 17, T19S, R37E

Backhoe samples at junction (source)

Depth bgs (ft)	Cl ⁻ ppm
5	372
6	428
7	510
8	434
9	490
10	529
11	608
12	732

Groundwater = 59 ft

