1R - 427 - 50

REPORTS

DATE:

2-24-2004

FINAL

REPORT

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	I-9	I	9	21 S	36 E	Lea	eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck OTHER _____

Depth to Groundwater 200 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 10/9/2003 Date Completed 11/21/2003 OCD Witness No

Soil Excavated 177 cubic yards Excavation Length 20 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 10/13/2003 **Sample Depth** 12 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	Chloride mg/kg
SIDEWALLS	<0.005	<0.005	<0.005	<0.015	<10.0	217	352
BOTTOM	See analytical report from Environmental Lab of Texas						
REMEDIATED	<0.005	<0.005	<0.005	<0.015	<10.0	626	544

General Description of Remedial Action: This junction box site was delineated with a backhoe while chloride tests and PID readings were conducted regularly. Chloride concentrations sufficiently declined vertically with depth and laterally. Although NMOCD TPH and BTEX guidelines were met, elevated PID readings during delineation caused concern. In accordance with the 2003 NMOCD-approved "Revised Junction Box Upgrade Work Plan", the bottom composite at 12 ft BGS was prepared in the field and sent to a lab for analysis. The five components of the composite were also sent separately to the lab for analysis, but the components were composited under laboratory conditions. The attached analysis by Environmental Lab of Texas indicates no significant disparities in BTEX concentrations of the two methods. At 6 ft of the 20 x 20 x 12-ft-deep excavation, a compacted clay barrier was installed to inhibit downward migration of remaining chloride impact. The remainder of the excavation was backfilled with soil that was landfarmed on site. The disturbed surface was seeded with a blend of native vegetation and will be monitored for growth. An identification plate was placed on the surface to mark the presence of the clay barrier below. A new junction is not required here anymore as the new pipeline was plumbed straight through.

enclosures: chloride graphs, photos, lab results, clay density test, PID readings, BTEX study

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
5 ft South	8	1375
	9	1510
	10	1654
	12	1442
	14	1184
Vertical	6	941
at jct.	7	914
	8	784
	10	676
	12	542
4-wall comp.	n/a	676
bottom comp.	12	740
remed. comp.	n/a	875

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

DATE 2/24/2004 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Project Scientist

EME jct. I-9

Box removed; prior to excavation 8/21/2003

Seeding disturbed surface at backfilled site 12/12/2003

Compacting clay Nov. 2003

Shovel marking plate to identify clay barrier below 12/15/2003

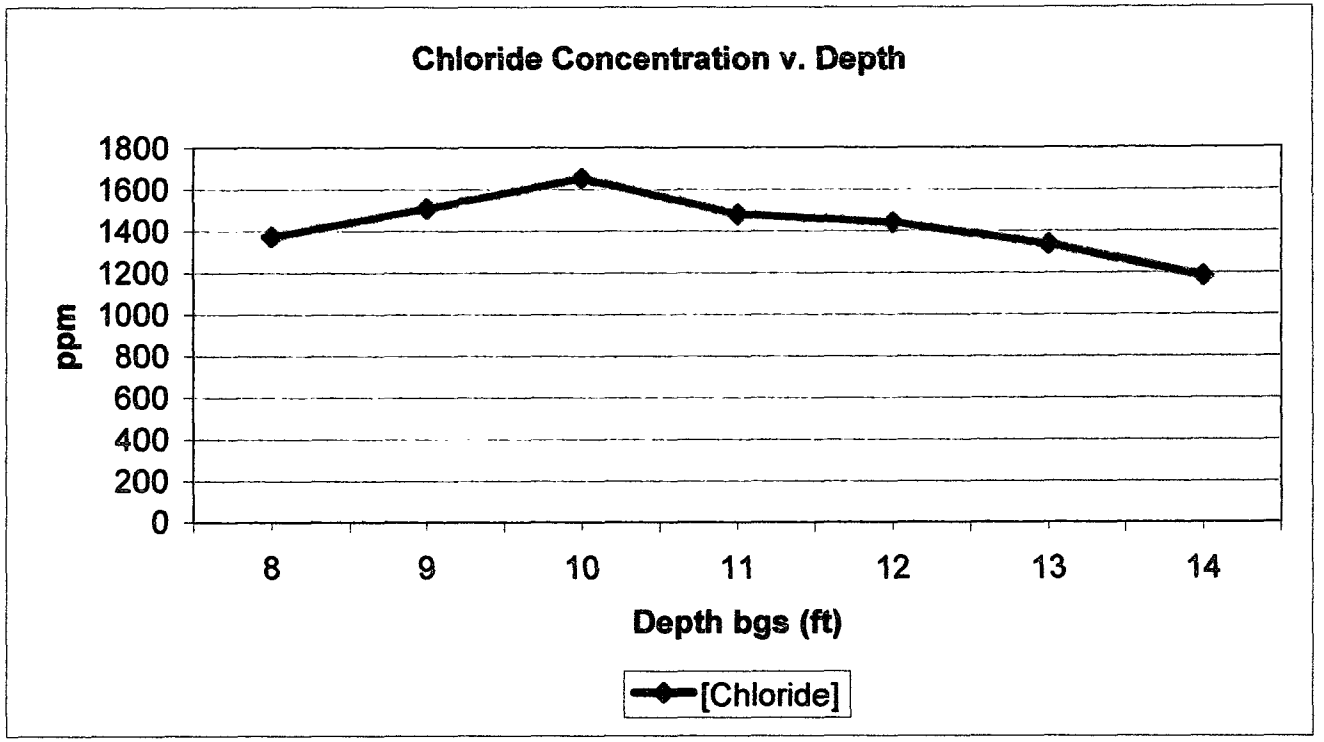
EME jct. I-9

T21S, R36E

5 ft South of Junction

Depth bgs (ft)	[Cl⁻] ppm
8	1375
9	1510
10	1654
11	1482
12	1442
13	1337
14	1184

Groundwater = 200 ft



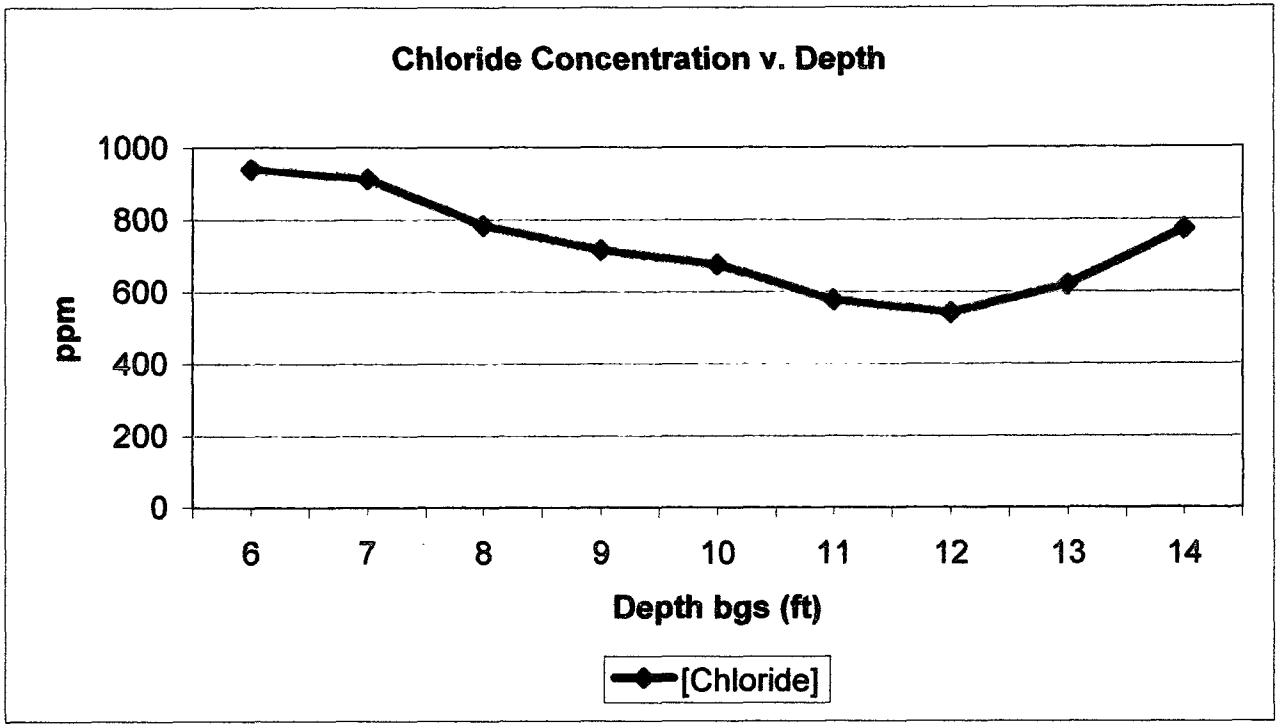
EME jct. I-9

T21S, R36E

Vertical at junction

Depth bgs (ft)	[Cl⁻] ppm
6	941
7	914
8	784
9	716
10	676
11	578
12	542
13	620
14	774

Groundwater = 200 ft



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
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 10/14/03
Reporting Date: 10/15/03
Project Number: NOT GIVEN
Project Name: EME I-9
Project Location: LEA CO., NM

Sampling Date: 10/13/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/14/03	10/14/03	10/14/03	10/14/03
H8081-1	BOTTOM 12' COMP.	<0.005	<0.005	<0.005	0.020
H8081-2	4 WALL COMP.	<0.005	<0.005	<0.005	<0.015
H8081-3	REMEDIATED BACKFILL	<0.005	<0.005	<0.005	<0.015
Quality Control		0.102	0.095	0.093	0.272
True Value QC		0.100	0.100	0.100	0.300
% Recovery		102	95.1	92.3	90.7
Relative Percent Difference		8.8	0.7	2.0	1.6

METHOD: EPA SW-846 8260

Chemist

10/15/03
Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

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

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page____ of ____

Company Name: RICE Operating Company	**BILL TO**
Project Manager: Kristin Farris	P.O. #:
Address: 122 W. Taylor	Company: RICE
City: Hobbs, State: NM Zip: 88240	Attn:
Phone #: 393-9174 Fax #: 397-1471	Address:
Project #: Project Owner:	City:
Project Name: EME #9	State: Zip:
Project Location: Lea	Phone #:
Sampler Name: Gary Stark	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH 8015	Chloride	BTEX
H8081-1	Bottom 1' Comp	C	6			X					X		10-13-03	4:10	X	X	X
-2	4 Wall Comp	C	6			X					X		10-13-03	3:50	X	X	X
-3	Remediated backfill	C	6			X					X		10-13-03	4:28	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By: Gary Stark	Date: 10-14-03 Time: 7:35	Received By: (Lab Staff)	REMARKS: Fax Copy to Rice
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☒ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	

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

CARDINAL LABORATORIES

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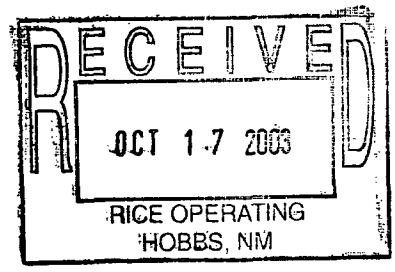
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240



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

Receiving Date: 10/14/03
Reporting Date: 10/15/03
Project Number: NOT GIVEN
Project Name: EME I-9
Project Location: LEA CO., NM

Sampling Date: 10/13/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		10/14/03	10/14/03	10/15/03
H8081-1	BOTTOM 12' COMP.	<10.0	825	592
H8081-2	4 WALL COMP.	<10.0	217	352
H8081-3	REMEDIATED BACKFILL	<10.0	626	544
Quality Control		767	822	1040
True Value QC		800	800	1000
% Recovery		95.9	103	104
Relative Percent Difference		3.6	6.2	1.0

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

Chemist

10/15/03
Date

H8081A.XLS

Ray L. Lascon

ANALYTICAL REPORT

Prepared for:

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Project:	EME I-9
PO#:	
Order#:	G0307797
Report Date:	10/31/2003

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating
122 W. Taylor
Hobbs, NM 88240
505-397-1471

Order#: G0307797
Project:
Project Name: EME I-9
Location: Lea Co., NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0307797-01	EME I-9 1-5 Composite	SOIL	10/27/03	10/28/03 8:20	L glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** -0.5 C		
	8015M 8021B/5030 BTEX Chloride					
0307797-02	EME I-9 Field Bottom @ 12 Comp.	SOIL	10/27/03 12:50	10/28/03 8:20	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** -0.5 C		
	8015M 8021B/5030 BTEX Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris
Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0307797
Project:
Project Name: EME I-9
Location: Lea Co., NM

Lab ID: 0307797-01
Sample ID: EME I-9 1-5 Composite

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/28/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**218**	10.0
DRO, >C12-C35	**2,880**	10.0
TOTAL, C6-C35	**3,098**	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	**126%**	**70**	**130**
1-Chlorooctadecane	**129%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007286-02		10/29/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**0.028**	0.025
Ethylbenzene	**0.050**	0.025
p/m-Xylene	**0.127**	0.025
o-Xylene	**0.117**	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**91%**	**80**	**120**
Bromofluorobenzene	**99%**	**80**	**120**

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris		**Order#:**	**G0307797**
Rice Operating		**Project:**	
122 W. Taylor		**Project Name:**	**EME I-9**
Hobbs, NM 88240		**Location:**	**Lea Co., NM**

Lab ID: 0307797-02
Sample ID: EME I-9 Field Bottom @ 12 Comp.

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/28/03	1	1	JLH	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**174**	10.0
DRO, >C12-C35	**2,550**	10.0
TOTAL, C6-C35	**2,724**	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	**123%**	**70**	**130**
1-Chlorooctadecane	**130%**	**70**	**130**

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0007286-02		10/29/03	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
Ethylbenzene	**0.033**	0.025
p/m-Xylene	**0.070**	0.025
o-Xylene	**0.062**	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**91%**	**80**	**120**
Bromofluorobenzene	**101%**	**80**	**120**

Approval: Celey D. Keene 10/31/03
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris		**Order#:**	**G0307797**
Rice Operating		**Project:**	
122 W. Taylor		**Project Name:**	**EME I-9**
Hobbs, NM 88240		**Location:**	**Lea Co., NM**

Lab ID: 0307797-01
Sample ID: EME I-9 1-5 Composite

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	567	mg/kg	1	20	9253	10/29/03	SB

Lab ID: 0307797-02
Sample ID: EME I-9 Field Bottom @ 12 Comp.

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	603	mg/kg	1	20	9253	10/29/03	SB

Approval: Celey D. Keene 10/31/03
Date

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit **N/A = Not Applicable**

ENVIRONMENTAL LAB OF TEXAS I, LTD. **12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800**

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0307797

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0007266-02			<25.0		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0007266-03		952	849	89.2%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0007266-04		952	829	87.1%	2.4%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0007266-05		1000	1001	100.1%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0307797

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0007286-02			<0.025		
Toluene-mg/kg	0007286-02			<0.025		
Ethylbenzene-mg/kg	0007286-02			<0.025		
p/m-Xylene-mg/kg	0007286-02			<0.025		
o-Xylene-mg/kg	0007286-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0307808-01	0	2.5	2.22	88.8%	
Toluene-mg/kg	0307808-01	0	2.5	2.22	88.8%	
Ethylbenzene-mg/kg	0307808-01	0	2.5	2.19	87.6%	
p/m-Xylene-mg/kg	0307808-01	0	5	4.43	88.6%	
o-Xylene-mg/kg	0307808-01	0	2.5	2.17	86.8%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0307808-01	0	2.5	2.35	94.%	5.7%
Toluene-mg/kg	0307808-01	0	2.5	2.36	94.4%	6.1%
Ethylbenzene-mg/kg	0307808-01	0	2.5	2.32	92.8%	5.8%
p/m-Xylene-mg/kg	0307808-01	0	5	4.70	94.%	5.9%
o-Xylene-mg/kg	0307808-01	0	2.5	2.31	92.4%	6.3%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0007286-05		0.1	0.088	88.%	
Toluene-mg/kg	0007286-05		0.1	0.085	85.%	
Ethylbenzene-mg/kg	0007286-05		0.1	0.082	82.%	
p/m-Xylene-mg/kg	0007286-05		0.2	0.164	82.%	
o-Xylene-mg/kg	0007286-05		0.1	0.080	80.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0307797

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0007277-01			<20.0		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0307797-01	567	500	1060	98.6%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0307797-01	567	500	1080	102.6%	1.9%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0007277-04		5000	4960	99.2%	

2003 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: EME
Site: jct. I-9
Date: 10/27/2003
Sampler: Gary Stark (ETGI Hobbs)
Laboratory: Environmental Lab of Texas

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
Bottom Composite at 12 ft BGS	1	0.0	<0.025	<0.025	0.033	0.132
	2	269.0				
	3	0.0				
	4	0.0				
	5	16.7				
			LAB COMPOSITE (mg/kg)			
			<0.025	0.028	0.050	0.244

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)*

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND
HOBBS. NEW MEXICO 88240
PHONE: (505) 397-4882 FAX: (505) 397-4701

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
AIR
LOT NO: 624401
EXP. DATE: 11/04
METER READING
ACCURACY: 100.4

SERIAL NO: 103999

100 PPM
BALANCE
FILL DATE: 10-13-03
ACCURACY: 100 ppm ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
Enlink	J-9	I	9	T21S	R36E

Excavation 20x20x12' Composite

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottom 12'	109		
4 Wall	55.6		
Remediated	22.1		
Backfill			
N. Wall 10'	50.2		
S. Wall 10'	53.6		
W. Wall 10'	40.4		
E. Wall 10'	45.6		

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

Gary Hart — Signature
Field Tech — Title
10-13-03 — Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.

2540 WEST MARLAND
HOBBS, NEW MEXICO 88240
PHONE: (505) 397-4882 FAX: (505) 397-4701

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
SERIAL NO: 103999
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE 100 PPM
AIR BALANCE
LOT NO: 67402
FILL DATE: 10-22-03
EXP. DATE: 11/04
ACCURACY: 100ppm ± 2%
METER READING
ACCURACY: 100.4

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	I-9	I	9	T21S	R37E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottom 18'			
Sample 1	0.0		
2	269		
3	0.0		
4	0.0		
5	41.8		
Composite	16.7		

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

Gary Hall — Signature
Field Tech — Title
10-22-03 — Date

LABORATORY TEST REPORT

PETTIGREW and ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS. III, P.E./P.S.

To: Rice Operating Corporation
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

RECEIVED
NOV 20 2003
RICE OPERATING
HOBBS, NM

Material: Red Clay

Test Method: ASTM: D 2922

Project: EME I9
EME I-9

Date of Test: November 18, 2003

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 6' W. & 3' S. of the NE Corner	102.9	19.9	

Control Density: 103.9
ASTM: D 698

Optimum Moisture: 21.4%

Required Compaction: 95%

Lab No.: 03 6950-6951

Copies To: Rice Operating

PETTIGREW and ASSOCIATES

BY: S.E.T.