

1R - 427-01

REPORTS

DATE:

4-3-2003

1R0427-1

DISCLOSURE REPORT

JUNCTION BOX DISCLOSURE REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	K-35	K	35	20S	36E	Lea	Length 9'	Width 6'	Depth 5'

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Tuffy Cooper OTHER _____

Depth to Groundwater 122' feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 01/14/2003 Date Completed 01/28/2003 OCD Witness No

Soil Excavated 252 cubic yards Excavation Length 21' Width 27' Depth 12' feet

Soil Disposed 0 cubic yards Offsite Facility N/A Location N/A

FINAL ANALYTICAL RESULTS: Sample Date January 27, 2003 Sample Depth 12' bgs

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 PPM
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	922
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	939
Remediated Soil	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	549

General Description of Remedial Action: Delineated the walls and bottom laterally and vertically to below the NMOCD TPH guidelines. A compacted clay barrier was installed at 12' bgs to slow the migration of any impact left in place. A water tight junction box was installed, backfilled and contoured to the surrounding area.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	Chlorides
W Comp	8' bgs	747
B Comp	12' bgs	837
Remediated Soil	none	460
Vertical	3.5' bgs	736 ppm
	5' bgs	287 ppm
	8' bgs	1677 ppm
	10' bgs	1077 ppm
	12' bgs	1362 ppm

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

DATE March 4, 2003 PRINTED NAME Chris Rodriguez

SIGNATURE *Chris Rodriguez* TITLE Environmental Technician

EME jet K-35



New Plumbing (before remediation)



Impact Excavation

EME jet K-35



Clay Barrier



Construction of New Jet. Box

RICE OPERATING COMPANY
JUNCTION BOX INITIAL REPORT

BOX LOCATION							BOX DIMENSIONS - FEET		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length	Width	Depth
EME	K-35	K	35	20 S	36 E	Lea			

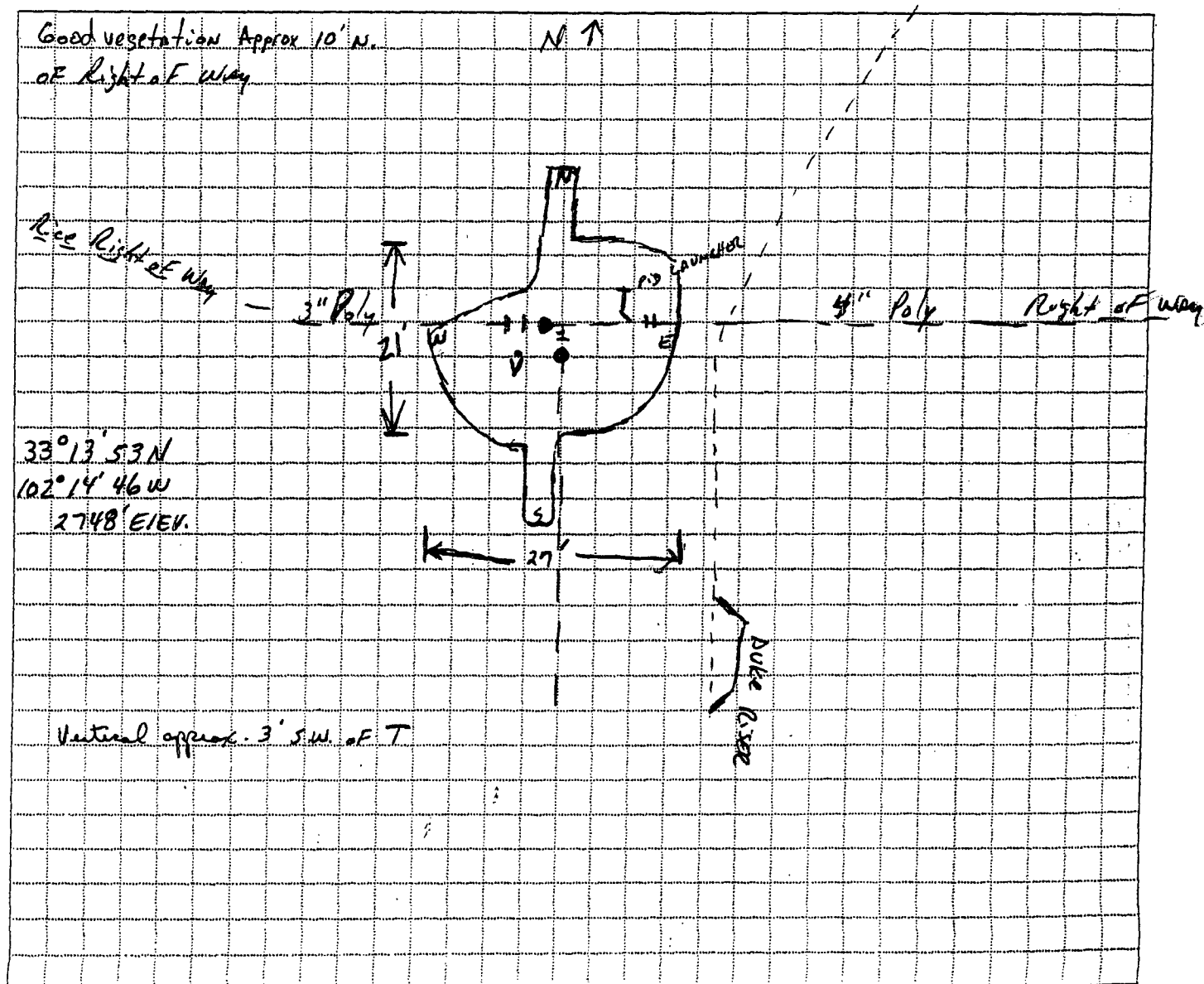
LAND TYPE: BLM ☐ STATE ☐ FEE LANDOWNER _____ OTHER _____

Depth to Groundwater _____ feet Move or Replace Box? _____

Date Initial _____ Boot or Vent? _____ Loop Line? _____

Depth of Pipeline 3' Pipeline Material Poly

Initial Observation: Arial View Sketch of location as it appears upon arrival: as applicable to remediation plans: include all wells and surface water sources, roads, stressed vegetation, cattle, houses, oil wells, pipelines, facilities, dirt piles, fences, measurements, reference point, sample locations, etc.



EUNICE PLANT

PHONE 394-2155

WALLACH CONCRETE, INC.

P. O. BOX 1289 • HOBBS, NEW MEXICO 88241

Customer's Order No. Price Operating Date 20

Address Wet K-35 10 000 0000 01/20/03 Chino

TRUCK NO. ACE 749 10 000 0000 0000 22470

QUAN.	DESCRIPTION	PRICE	AMOUNT
YDS.	CONCRETE		
TONS	SAND		
TONS	GRAVEL		
TONS	REMIX		
TONS	SPECIAL		
TONS	FILL		
TONS	BASE COARSE		
HRS.	TRUCK TIME		

CAUTION — MAY CAUSE SKIN IRRITATION OR INJURY TO EYES. CONTAINS PORTLAND CEMENT, FRESHLY MIXED CEMENT, MORTAR, CONCRETE OR GROUT. MAY CAUSE SKIN IRRITATION. AVOID CONTACT WITH SKIN WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CEMENT OR CEMENT MIXTURES GET INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

Any alteration of this BATCH DESIGN relieves the seller of all liabilities or responsibilities concerning strength or specification requirements. If altered by the purchaser or his agent, the changes noted below are acknowledged by signature as follows:

GALS. OF WATER ADDED ON JOB.

ALL claims and returned goods MUST be accompanied by this bill.

59039

Received by Price Operating

It is agreed as part of this sale that the price shown for the goods purchased will be paid within 30 days. After 30 days interest rate of 1 1/2% per month on the unpaid balance or 18% A.P.R.

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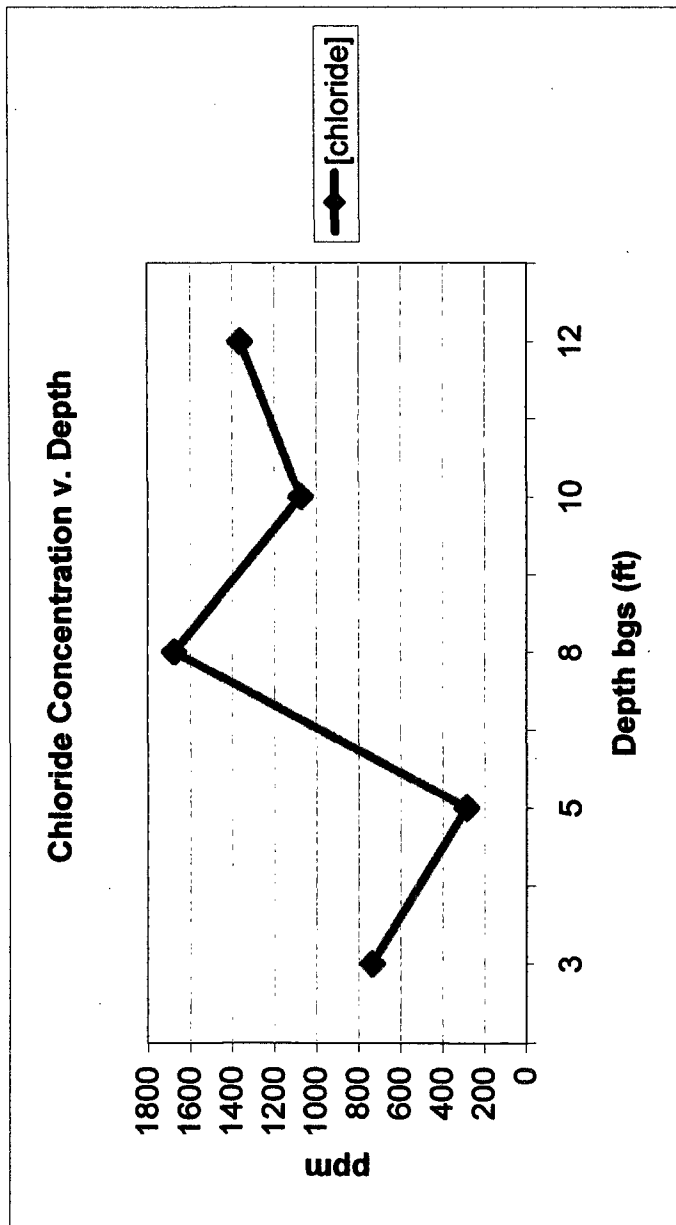
CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME jct. K-35
T20S, R36E

Depth bgs (ft)	[Cl ⁻] ppm
3	736
5	287
8	1677
10	1077
12	1362

Groundwater = 122 ft



ANALYTICAL REPORT

Prepared for:

CHRIS RODRIGUEZ
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Project: Rice Operating

PO#: K-35 Junction

Order#: G0305572

Report Date: 01/30/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RICE OPERATING CORP.
122 WEST TAYLOR

Order#: G0305572

Project: EME K-35

Junction

HOBBS, NM 88240
505-397-1471

Project Name: Rice Operating

Location: EME

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.

			Date / Time	Date / Time		
0305572-01	Wall Comp. @8'	SOIL	1/27/03 12:30	1/28/03 17:10	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.0C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0305572-02	Bottom Comp @ 12'	SOIL	1/27/03 12:30	1/28/03 17:10	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.0C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0305572-03	Remediated Comp	SOIL	1/27/03 14:30	1/28/03 17:10	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.0C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

CHRIS RODRIGUEZ
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305572
Project: EME K-35 Junction
Project Name: Rice Operating
Location: EME

Lab ID: 0305572-01
Sample ID: Wall Comp. @8'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		1/29/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	86%	70	130
1-Chlorooctadecane	90%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0004476-02		1/29/03 20:41	1	25	CK	8021B

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

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	100%	80	120
Bromofluorobenzene	102%	80	120

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

CHRIS RODRIGUEZ
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305572
Project: EME K-35 Junction
Project Name: Rice Operating
Location: EME

Lab ID: 0305572-02
Sample ID: Bottom Comp @ 12'

8015M

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		1/29/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	73%	70	130
1-Chlorooctadecane	74%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0004476-02		1/29/03 21:04	1	25	CK	8021B

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

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	80	120
Bromofluorobenzene	101%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

CHRIS RODRIGUEZ
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305572
Project: EME K-35 Junction
Project Name: Rice Operating
Location: EME

Lab ID: 0305572-03
Sample ID: Remediated Comp

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		1/29/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	69%	70	130
1-Chlorooctadecane	69%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0004476-02		1/29/03 21:47	1	25	CK	8021B

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

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	83%	80	120
Bromofluorobenzene	103%	80	120

Approval:

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.

Date

Raland K. Tuttle 1-30-03

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

CHRIS RODRIGUEZ
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305572
Project: EME K-35 Junction
Project Name: Rice Operating
Location: EME

Lab ID: 0305572-01
Sample ID: Wall Comp. @8'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	922	mg/kg	1	20	9253	1/29/03	SB

Lab ID: 0305572-02
Sample ID: Bottom Comp @ 12'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	939	mg/kg	1	20	9253	1/29/03	SB

Lab ID: 0305572-03
Sample ID: Remediated Comp

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	549	mg/kg	1	20	9253	1/29/03	SB

Approval:

Raland K. Tuttle 1-30-03
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.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0305572

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004482-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305572-01	0	952	701	73.6%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305572-01	0	952	771	81.1%	9.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004482-05		1000	753	75.3%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305572

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004476-02			<0.025		
Toluene-mg/kg		0004476-02			<0.025		
Ethylbenzene-mg/kg		0004476-02			<0.025		
p/m-Xylene-mg/kg		0004476-02			<0.025		
o-Xylene-mg/kg		0004476-02			<0.025		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004476-03		0.1	0.115	115.0%	
Toluene-mg/kg		0004476-03		0.1	0.113	113.0%	
Ethylbenzene-mg/kg		0004476-03		0.1	0.112	112.0%	
p/m-Xylene-mg/kg		0004476-03		0.2	0.230	115.0%	
o-Xylene-mg/kg		0004476-03		0.1	0.111	111.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004476-04		0.1	0.115	115.0%	0.0%
Toluene-mg/kg		0004476-04		0.1	0.109	109.0%	3.6%
Ethylbenzene-mg/kg		0004476-04		0.1	0.116	116.0%	3.5%
p/m-Xylene-mg/kg		0004476-04		0.2	0.237	118.5%	3.0%
o-Xylene-mg/kg		0004476-04		0.1	0.112	112.0%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004476-05		0.1	0.099	99.0%	
Toluene-mg/kg		0004476-05		0.1	0.104	104.0%	
Ethylbenzene-mg/kg		0004476-05		0.1	0.100	100.0%	
p/m-Xylene-mg/kg		0004476-05		0.2	0.225	112.5%	
o-Xylene-mg/kg		0004476-05		0.1	0.102	102.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305572

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004469-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305568-01	0	1000	1010	101.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305568-01	0	1000	1030	103.0%	2.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004469-04		5000	5090	101.8%	

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763

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

Project Manager:

Chris Rodriguez

Company Name

Rice Operating

Company Address:

122 W. Taylor

City/State/Zip:

Hobbs N.M. 88240

Telephone No:

Fax No:

Sampler Signature:

Chris Rodriguez

(lab use only)

ORDER #:

FIELD CODE

Wall Comp. @ 8'

Bottom Comp. @ 12'

Remediated Comp.

Date Sampled

1-27-03

1-27-03

1-27-03

Time Sampled

12:30pm

12:30pm

2:30pm

No. of Containers

1

1

1

Preservative

Ice

✓

✓

✓

HNO₃

HCl

NaOH

H₂SO₄

None

Other (Specify)

Matrix

Water

✓

✓

✓

Sludge

✓

✓

✓

Soil

✓

✓

✓

Other (specify)

Analyze For:

TCLP:

TOTAL:

TPH: 418.1 8015M 1005 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, CO₃, HCO₃)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

PCB 8021B/5030

RCI

Special Instructions:

Please Fax Copy to Stacy Staibling @ B+H.

Relinquished by:

Bryant @ AL

Date

1-28-03

Time

5:10p

Date

1-28-03

Time

1710

Relinquished by:

AL - dk jld

Received by ELOT:

Sample Containers Intact?

Temperature Upon Receipt:

Laboratory Comments:

Rec 0.00

Y N

Standard TAT

RUSH TAT (Pre-Schedule