

1R - 427-12

REPORTS

DATE:

12-12-2003

EME C-2 boat

1R0927-10

~~AS~~

12 OK

DISCLOSURE REPORT

**RICE OPERATING COMPANY
JUNCTION BOX CLOSURE REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	C-2 Boot	C	2	20S	36E	Lea	Length	Width	Depth
							Moved 90 ft west		

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

Depth to Groundwater 50 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 6/17/2003 Date Completed 6/24/2003 OCD Witness No

Soil Excavated 250 cubic yards Excavation Length 20 Width 25 Depth 16 feet

Soil Disposed 60 cubic yards Offsite Facility South Monument Location Monument, NM

FINAL ANALYTICAL RESULTS: Sample Date 6/24/2003 Sample Depth 8-16 ft (see diagram)

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
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10.0	101	1420
BOTTOM	<0.025	<0.025	<0.025	0.029	<10.0	43	2320
BACKFILL	<0.025	0.027	<0.025	0.049	<50.0	1140	1770
REMEDIATED	<0.025	<0.025	<0.025	0.035	<10.0	322	496

General Description of Remedial Action: This was the site of a junction box with a boot. Chloride concentrations exhibited a decline with depth that illustrates the presence of non-saturated conditions in the vadose zone. A 20 x 25 ft area was excavated to varying depth of 8-16 ft bgs (see diagram). The excavated soil was landfamed and backfilled into the hole up to 4 ft below surface. At 4 ft, a 1 ft clay barrier was installed and was compacted as standard operating practice. The remaining soil was blended with imported clean soil and then backfilled on top of the clay up to the surface (labeled "remediated" for lab purposes). The remaining TPH under the clay will naturally attenuate. The site has been re-seeded with native vegetation and is expected to return to productive capacity at a normal rate.

cc: lab results, photos, diagrams, disposal tickets, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	4	5100
	6	2600
	10	1500
	12	950
	16	950
Wall Comp.	n/a	1150
Bottom Comp.	8-16	1850
Backfill	n/a	1600
Remed. Comp.	n/a	500

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

DATE 12/12/2003 PRINTED NAME Kristin Farris
SIGNATURE Kristin Farris TITLE Project Scientist

EME C-2 Boot



C-2 Boot Location Before Excavation



Excavation—June 2003



Excavation Backfilled to 4 ft With Remediated Backfill



Clay Barrier At 4 ft

EME C-2 Boot



Backfilled—6/24/2003



ID Plate Marking Clay Liner At Backfilled Site

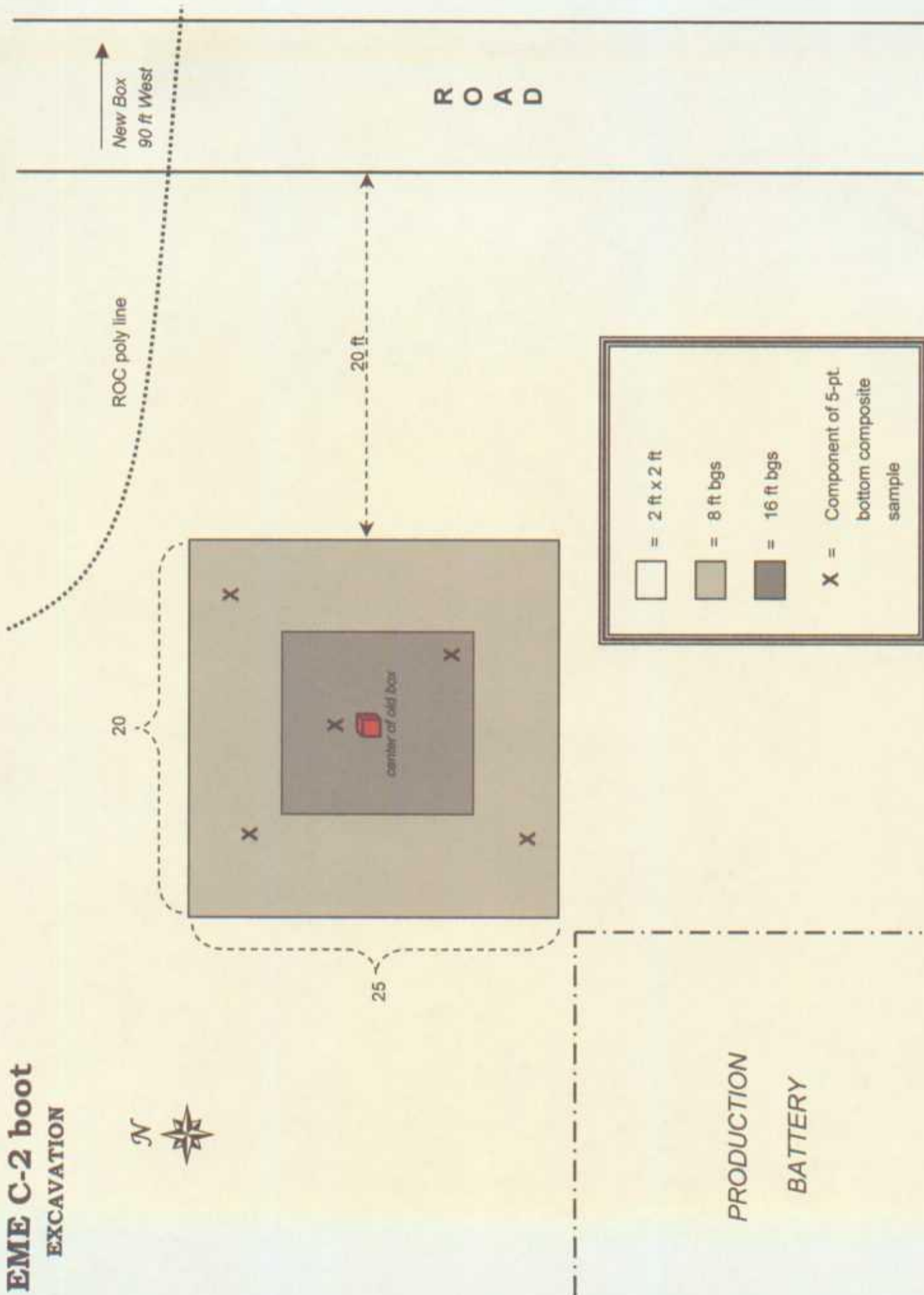


New Plumbing At New Jct. 90 ft West



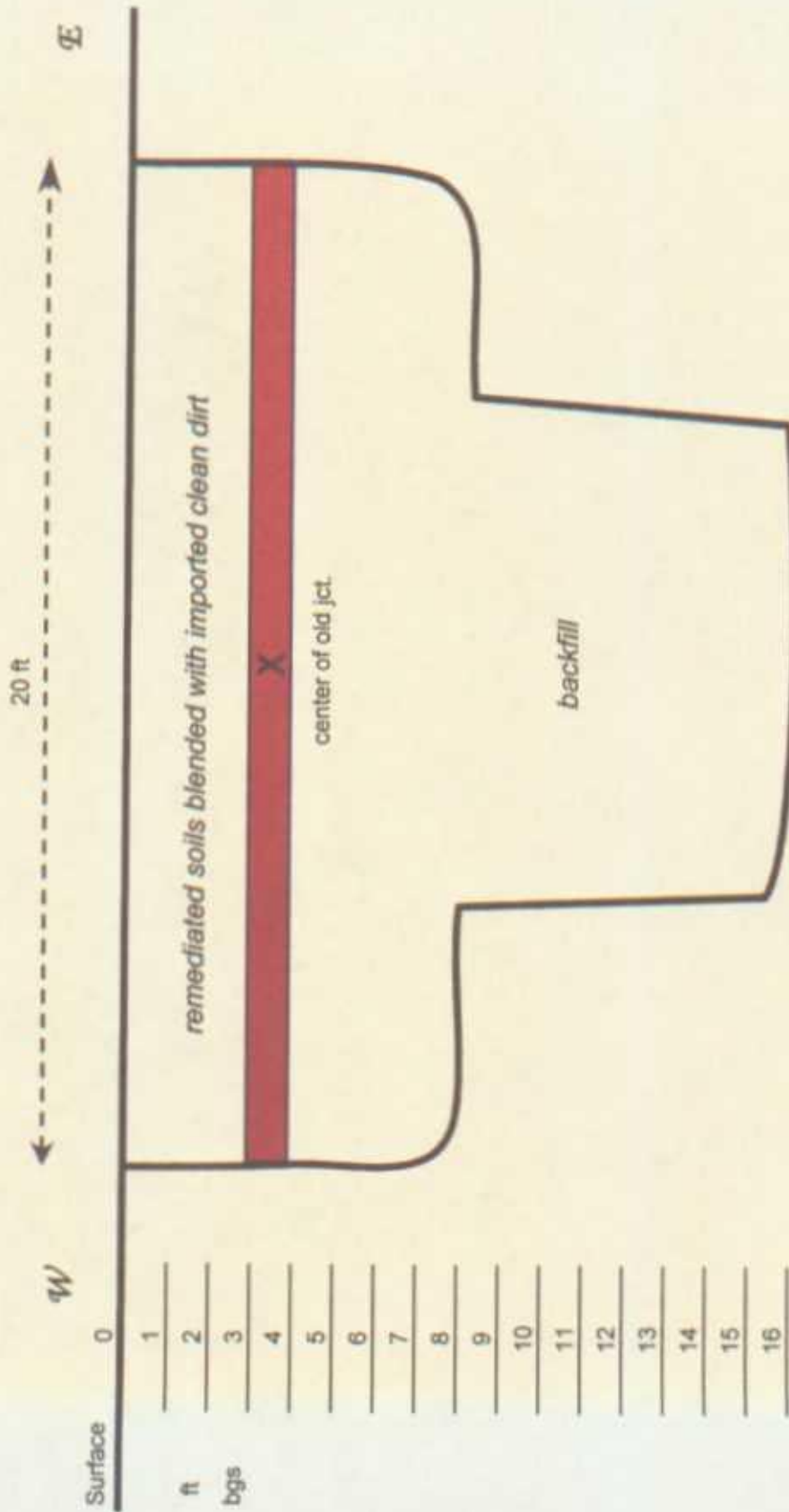
Looking East From New Box (backfilled site in background)

EME C-2 boot EXCAVATION



	= 2 ft x 2 ft
	= 8 ft bgs
	= 16 ft bgs
X	= Component of 5-pt bottom composite sample

EME C-2 boot Excavation Cross-Section

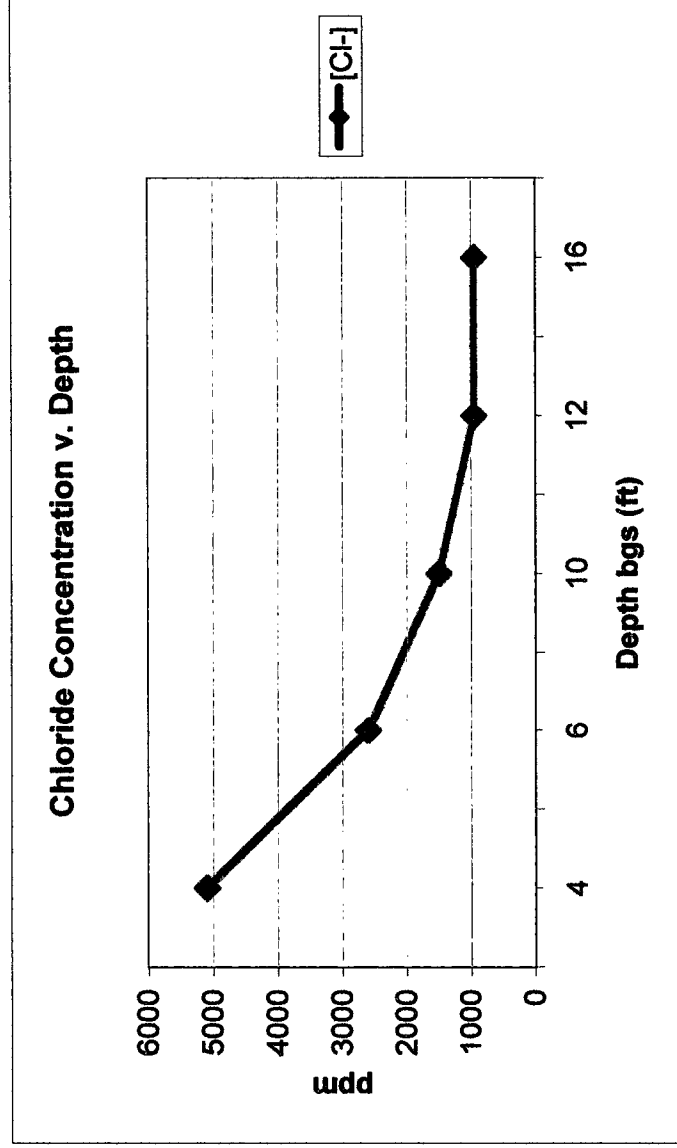


EME C-2 boot

T20S, R36E

Depth bgs (ft)	[Cl-] ppm
4	5100
6	2600
10	1500
12	950
16	950

Groundwater = 50 ft



ANALYTICAL REPORT

Prepared for:

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

Project: EME

PO#:

Order#: G0306823

Report Date: 06/30/2003

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#: G0306823
Project:
Project Name: EME
Location: C-2

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.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0306823-01	5 pt. Bottom Comp @ 16'	SOIL	6/24/03 15:00	6/25/03 8:00	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 2.0 C		
0306823-02	Wall Comp.	SOIL	6/24/03 15:00	6/25/03 8:00	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 2.0 C		
0306823-03	Backfill Comp.	SOIL	6/24/03 15:00	6/25/03 8:00	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 2.0 C		
0306823-04	Remediated Pile Comp.	SOIL	6/24/03 15:00	6/25/03 8:00	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 2.0 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306823
Project:
Project Name: EME
Location: C-2

Lab ID: 0306823-01
Sample ID: 5 pt. Bottom Comp @ 16'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		6/25/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	43.0	10.0
TOTAL, C6-C35	43.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	102%	70	130
1-Chlorooctadecane	107%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0006017-02		6/26/03 12:36	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	0.029	0.025
o-Xylene	<0.025	0.025

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

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306823
Project:
Project Name: EME
Location: C-2

Lab ID: 0306823-02
Sample ID: Wall Comp.

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		6/26/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	101	10.0
TOTAL, C6-C35	101	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	103%	70	130
1-Chlorooctadecane	103%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006017-02		6/26/03 15:44	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	95%	80	120
Bromofluorobenzene	80%	80	120

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306823
Project:
Project Name: EME
Location: C-2

Lab ID: 0306823-03
Sample ID: Backfill Comp.

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		6/26/03	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<50.0	50.0
DRO, >C12-C35	1140	50.0
TOTAL, C6-C35	1140	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	19%	70	130
1-Chlorooctadecane	19%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0006017-02		6/26/03 13:20	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	0.027	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	0.049	0.025
o-Xylene	<0.025	0.025

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306823
Project:
Project Name: EME
Location: C-2

Lab ID: 0306823-04
Sample ID: Remediated Pile Comp.

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		6/26/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	322	10.0
TOTAL, C6-C35	322	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	106%	70	130
1-Chlorooctadecane	106%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0006017-02		6/26/03 13:42	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	0.035	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	84%	80	120

Approval:

Coley D. Keene 07/01/03
Raland K. Tuttle, Lab Director, QA Officer
Coley D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

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

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306823
Project:
Project Name: EME
Location: C-2

Lab ID: 0306823-01
Sample ID: 5 pt. Bottom Comp @ 16'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	2320	mg/kg	1	20	9253	6/25/03	SB

Lab ID: 0306823-02
Sample ID: Wall Comp.

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	1420	mg/kg	1	20	9253	6/25/03	SB

Lab ID: 0306823-03
Sample ID: Backfill Comp.

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	1770	mg/kg	1	20	9253	6/25/03	SB

Lab ID: 0306823-04
Sample ID: Remediated Pile Comp.

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	496	mg/kg	1	20	9253	6/25/03	SB

Approval:

Celey D. Keene 07/01/03
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.

Date

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0306823

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005991-02			<10.0		
TOTAL, C6-C35-mg/kg		0005993-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005993-03		952	1060	111.3%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005993-04		952	1050	110.3%	0.9%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306763-09	151	952	1080	97.6%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306763-09	151	952	1080	97.6%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005991-05		1000	993	99.3%	
TOTAL, C6-C35-mg/kg		0005993-05		1000	1010	101.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306823

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0006017-02			<0.025		
Toluene-mg/kg		0006017-02			<0.025		
Ethylbenzene-mg/kg		0006017-02			<0.025		
p/m-Xylene-mg/kg		0006017-02			<0.025		
o-Xylene-mg/kg		0006017-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306820-13	0	0.1	0.095	95.%	
Toluene-mg/kg		0306820-13	0	0.1	0.097	97.%	
Ethylbenzene-mg/kg		0306820-13	0	0.1	0.093	93.%	
p/m-Xylene-mg/kg		0306820-13	0	0.2	0.189	94.5%	
o-Xylene-mg/kg		0306820-13	0	0.1	0.093	93.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306820-13	0	0.1	0.105	105.%	10.%
Toluene-mg/kg		0306820-13	0	0.1	0.107	107.%	9.8%
Ethylbenzene-mg/kg		0306820-13	0	0.1	0.105	105.%	12.1%
p/m-Xylene-mg/kg		0306820-13	0	0.2	0.213	106.5%	11.9%
o-Xylene-mg/kg		0306820-13	0	0.1	0.104	104.%	11.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0006017-05		0.1	0.114	114.%	
Toluene-mg/kg		0006017-05		0.1	0.114	114.%	
Ethylbenzene-mg/kg		0006017-05		0.1	0.111	111.%	
p/m-Xylene-mg/kg		0006017-05		0.2	0.227	113.5%	
o-Xylene-mg/kg		0006017-05		0.1	0.110	110.%	

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****Test Parameters**

Order#: G0306823

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0006014-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306823-01	2320	500	2780	92.2%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306823-01	2320	500	2770	90.2%	0.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0006014-04		5000	4960	99.2%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

Rice Operating
122 W. Taylor
Hobbs, NM 88240

Order#: G0306823**Project:** EME

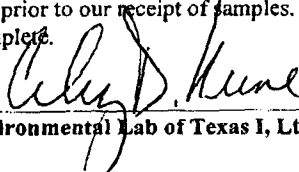
The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
5 pt. Bottom Comp	0306823-01	SOIL	06/24/2003	06/25/2003
Wall Comp.	0306823-02	SOIL	06/24/2003	06/25/2003
Backfill Comp.	0306823-03	SOIL	06/24/2003	06/25/2003
Remediated Pile Co	0306823-04	SOIL	06/24/2003	06/25/2003

Surrogate recoveries on the 8015M TPH are outside of control limits due to dilution. (G0306823-03)

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By: _____


Environmental Lab of Texas I, Ltd.

Date: _____

07/01/03

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Kristin Farris

E 197

Rice Operating

Project #:

122 W Taylor

Project Loc:

Ho bbs, Am 88 240

८०
नमः

(505) 631-9174

Fax No:

20

[illegible]

40-yds clean backfill

TRANSPORTERS MANIFEST

MANIFEST #

9404

SHIPPING FACILITY NAME & ADDRESS:

RICER OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NM 88240

LOCATION OF MATERIAL:

SEC. 2 T 20 S R 36 E
SYSTEM EME SWD
JCT. C-2

ALL This Info must be on Sundance Ticket

Co. Man Kristin Farris

TRANSPORTER NAME & ADDRESS:

R.E. Environmental Services
PO Box 13418
Odessa, TX 79768

DESCRIPTION OF WASTE:

QUANTITY YARDS 20

OILFIELD CONTAMINATED SOIL
EXEMPT

FACILITY CONTACT:

DATE: 6-24-03

SIGNATURE OF CONTACT:

KRISTIN FARRIS

Kristin Farris

PHONE: 631-5075

NAME OF TRANSPORTER: (DRIVER)

DATE: 6-24-03

SIGNATURE OF DRIVER:

Rangel Soto

DISPOSAL SITE:

South
Monument
Disposal

DATE:

6/24/03

SIGNATURE OF REPRESENTATIVE:

Lenny Lopez

TRANSPORTERS MANIFEST

MANIFEST #

9405

SHIPPING FACILITY NAME & ADDRESS:

RICER OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NM 88240

LOCATION OF MATERIAL:

SEC. 2 T 20 S R 36 E
SYSTEM EME SWD
JCT. C-2

ALL This Info must be on Sundance Ticket

Co. Man Kristin Farris

TRANSPORTER NAME & ADDRESS:

R.E. Environmental Services
PO Box 13418
Odessa, TX 79768

DESCRIPTION OF WASTE:

OILFIELD CONTAMINATED SOIL
EXEMPT

QUANTITY YARDS 20

FACILITY CONTACT:

DATE: 6-24-03

KRISTIN FARRIS

SIGNATURE OF CONTACT:

Kristin Farris

PHONE: 631-5075

NAME OF TRANSPORTER: (DRIVER)

DATE: 6-24-03

SIGNATURE OF DRIVER:

Ruben D. Padilla

DISPOSAL SITE:

South Monument
Disposal

DATE:

6/24/03

SIGNATURE OF REPRESENTATIVE:

Larry C. Clegg

TRANSPORTERS MANIFEST

MANIFEST #

9406

SHIPPING FACILITY NAME & ADDRESS:

RICER OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NM 88240

LOCATION OF MATERIAL:

SEC. 2 T 20 S R 36 E
SYSTEM EME SWD
JCT. C-2

ALL This Info must be on Sundance Ticket

Co. Man Kristin Farris

TRANSPORTER NAME & ADDRESS:

R.E. Environmental Services
PO Box 13418
Odessa, TX 79768

DESCRIPTION OF WASTE:

QUANTITY YARDS 20

OILFIELD CONTAMINATED SOIL
EXEMPT

FACILITY CONTACT:

DATE: 6-24-03

KRISTIN FARRIS

SIGNATURE OF CONTACT:

Kristin Farris

PHONE: 631-5075

NAME OF TRANSPORTER: (DRIVER)

DATE: 6-24-03

SIGNATURE OF DRIVER:

Ruben D. Padilla

DISPOSAL SITE:

South
Monument
Disposal

DATE:

6/24/03

SIGNATURE OF REPRESENTATIVE:

Larry Copen