

1R - 427-25

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, January 30, 2013 10:56 AM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Laura Pena (lpna@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R427-25) Termination - ROC EME C-12-North Site

**RE: Termination Request
for the Rice Operating Company's
EME C-12-North Site
Unit Letter C, Section 12, T20S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-25) Termination**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received Rice Operating Company's report and request to close the above-referenced site, dated January 18, 2013 (received January 23, 2013). The report is acceptable to the OCD.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Rice Operating Company has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R427-25) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

RICE *Operating Company*

112 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 8753

RECEIVED

January 18, 2013

JAN 23 2013

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Termination Request
EME C-12-North (1R427-25): UL/C Sec. 12, T20S, R36E
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the EME Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background

In 2003, ROC initiated work on the former C-12-North junction box. The site is located in UL/C, Sec. 12, T20S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 31 +/- feet. After the junction box was eliminated, the site was delineated using a backhoe to collect soil samples at regular intervals, creating a 13 x 12 x 8 ft deep excavation. Each sample was field titrated for chlorides, resulting in concentrations that did relent with depth. The excavated soil was blended on site and representative composite samples of the excavation bottom, the excavation walls, and the remediated backfill were sent to a commercial for analysis of chloride and TPH, resulting in a sidewall chloride concentration of 638 mg/kg and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The bottom composite resulted in chloride concentrations of 248 mg/kg and GRO and DRO concentrations below detectable limits. The remediated backfill resulted in a chloride concentration of 496 mg/kg, a GRO concentration below detectable limits, and a DRO concentration of 312 mg/kg. BTEX was also analyzed, resulting in concentrations below detectable limits in all samples. The excavation was lined with clay and the remediated backfill was returned to the excavation to ground surface and

contoured to the surrounding area. This site is located on the edge of two lease roads; therefore, seeding was not necessary.

The junction box site location map, final report, photodocumentation, laboratory analysis, and current photodocumentation are attached.

Recommendations

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,
RICE Operating Company

A handwritten signature in black ink, appearing to read "H. Conder", with a stylized flourish at the end.

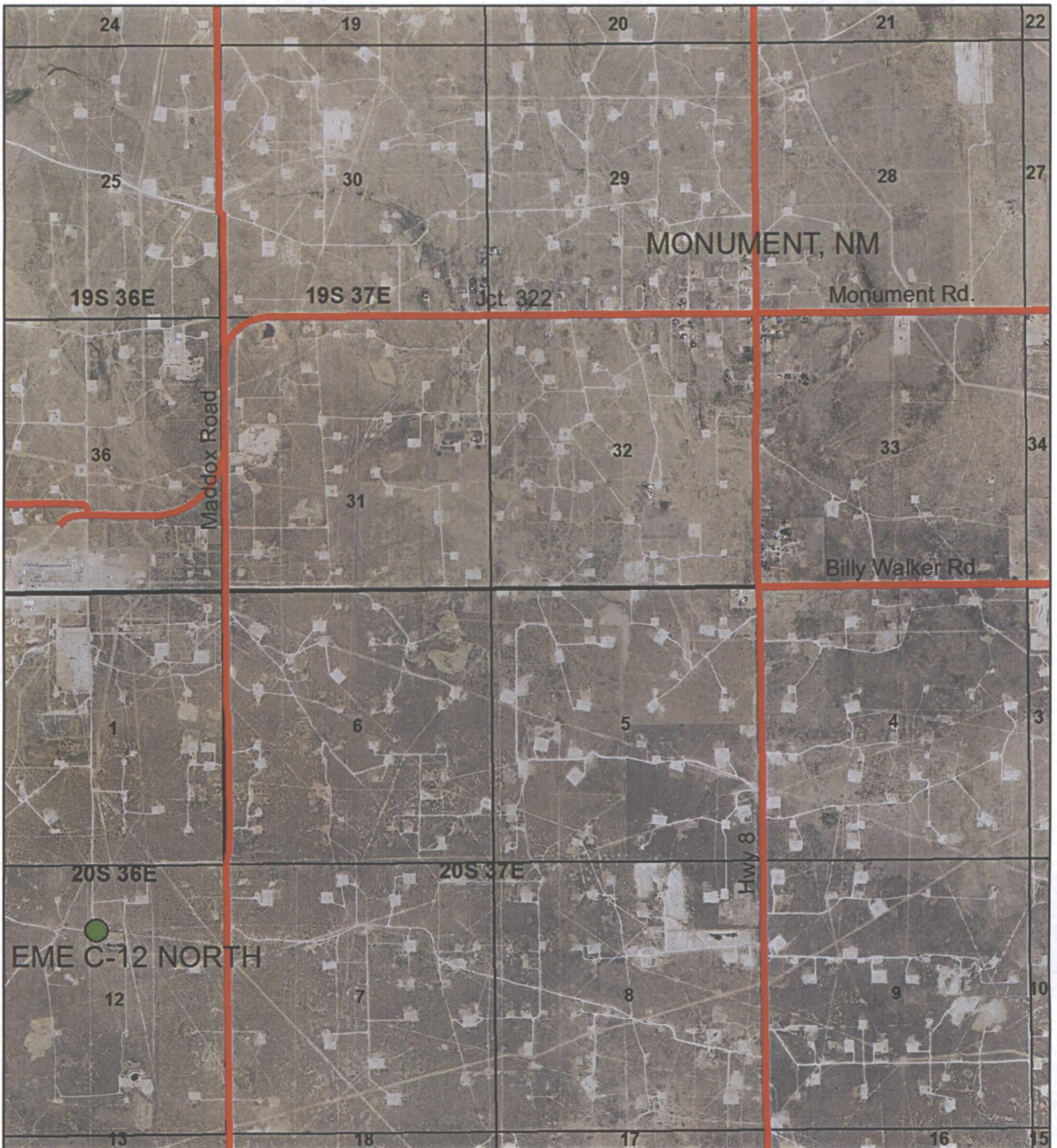
Hack Conder
Environmental Manager

enclosures



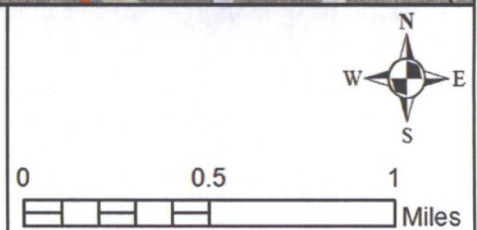
Site Location Map

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471



EME C-12 NORTH

UL C SECTION 12
T-20-S R-36-E
LEA COUNTY, NM



Drawing date: 12/7/12
Drafted by: Tony Grieco



Junction Box Report

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	C-12-1 North	C	12	20 S	36 E	Lea	Length	Width	Depth
							No Box		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ Charlie Byrd _____ OTHER _____

Depth to Groundwater _____ 31 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 20 _____

Date Started _____ 3/3/2003 _____ Date Completed _____ 3/31/2003 _____ OCD Witness _____ No _____

Soil Excavated _____ 46 _____ cubic yards Excavation Length _____ 13 _____ Width _____ 12 _____ Depth _____ 8 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 3/4/2003 _____ Sample Depth _____ 8' 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 mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	638
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	248
REMEDiated	<0.025	<0.025	<0.025	<0.025	<10.0	312	496

General Description of Remedial Action: The site was delineation vertically where
 TPH dissipated at 4' bgs and chloride impact declined substantially at 8' bgs. The excavation was extended laterally in all directions until chloride and TPH impact exhibited a decline from the source. A 1' clay barrier was installed at the bottom of the 13' x 12' x 8' excavation to hinder vertical migration of any remaining impact. The excavated soil was landfamed on location, backfilled into the clay-lined hole, and then contoured to the surrounding area. A junction box is no longer required at this location. Remaining TPH is expected to naturally attenuate.

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	2	1400
	4	1300
	6	800
	8	400
4' N	6	300
4' S	6	450
6' E	6	600
6' W	6	500
Bottom. Comp.	8	500

cc: lab results, photos

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

DATE _____ 4/4/2003 _____ PRINTED NAME _____ Kristin Farris _____

SIGNATURE _____ *Kristin Farris* _____ TITLE _____ Projects Scientist _____

EME C-12-1 North



Before Excavation



Excavation

EME C-12-1 North



Clay Barrier



Backfilled

ANALYTICAL REPORT

Prepared for:

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Project: C-12-1 North

PO#:

Order#: G0305881

Report Date: 03/10/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305881
Project:
Project Name: C-12-1 North
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.

<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>
0305881-01	5 pt. Bottom Comp. @ 8'	SOIL	3/4/03 10:30	3/5/03 9:08	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 1.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0305881-02	4 pt. Wall Comp. @ 6'	SOIL	3/4/03 10:00	3/5/03 9:08	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 1.5 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305881
Project:
Project Name: C-12-1 North
Location: EME

Lab ID: 0305881-01
Sample ID: 5 pt. Bottom Comp. @ 8'

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>
		3/7/03	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	78%	70	130
1-Chlorooctadecane	70%	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>
0004865-02		3/6/03 22:21	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	102%	80	120
Bromofluorobenzene	120%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305881
Project:
Project Name: C-12-1 North
Location: EME

Lab ID: 0305881-02
Sample ID: 4 pt. Wall Comp. @ 6'

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		3/7/03	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	90%	70	130
1-Chlorooctadecane	80%	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>		
0004865-02		3/6/03 22:41	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	120%	80	120

Approval: Raland K. Tuttle 3-10-03
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.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

DONNIE ANDERSON
RICE OPERATING CORP.
122 WEST TAYLOR
HOBBS, NM 88240

Order#: G0305881
Project:
Project Name: C-12-1 North
Location: EME

Lab ID: 0305881-01
Sample ID: 5 pt. Bottom 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	248	mg/kg	1	20	9253	3/6/03	SB

Lab ID: 0305881-02
Sample ID: 4 pt. Wall Comp. @ 6'

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	638	mg/kg	1	20	9253	3/6/03	SB

Approval: Raland K. Tuttle 3-10-03
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.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0305881

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004876-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305881-02	0	952	766	80.5%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305881-02	0	952	720	75.6%	6.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004876-05		1000	864	86.4%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305881

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004865-02			<0.025		
Toluene-mg/kg		0004865-02			<0.025		
Ethylbenzene-mg/kg		0004865-02			<0.025		
p/m-Xylene-mg/kg		0004865-02			<0.025		
o-Xylene-mg/kg		0004865-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0305891-01	0.032	2.5	2.17	85.5%	
Toluene-mg/kg		0305891-01	0.1	2.5	2.20	84.%	
Ethylbenzene-mg/kg		0305891-01	0.093	2.5	2.41	92.7%	
p/m-Xylene-mg/kg		0305891-01	0.292	5	5.05	95.2%	
o-Xylene-mg/kg		0305891-01	0.069	2.5	2.47	96.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0305891-01	0.032	2.5	2.23	87.9%	2.7%
Toluene-mg/kg		0305891-01	0.1	2.5	2.25	86.%	2.2%
Ethylbenzene-mg/kg		0305891-01	0.093	2.5	2.43	93.5%	0.8%
p/m-Xylene-mg/kg		0305891-01	0.292	5	5.07	95.6%	0.4%
o-Xylene-mg/kg		0305891-01	0.069	2.5	2.48	96.4%	0.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0004865-05		0.1	0.098	98.%	
Toluene-mg/kg		0004865-05		0.1	0.102	102.%	
Ethylbenzene-mg/kg		0004865-05		0.1	0.103	103.%	
p/m-Xylene-mg/kg		0004865-05		0.2	0.214	107.%	
o-Xylene-mg/kg		0004865-05		0.1	0.107	107.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305881

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004859-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305877-01	0	275.75	248	89.9%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305877-01	248	275.75	257	93.2%	3.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004859-04		5000	4960	99.2%	

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Company Name

Company Address:

City/State/Zip:

Telephone No:

Fax No:

Sampler Signature:

Project Name:

Project #:

Project Loc:

PO #:

[illegible]

ANALYTICAL REPORT

Prepared for:

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

Project: C-12 North Jct Box

PO#: 757

Order#: G0306120

Report Date: 04/04/2003

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#: G0306120
Project:
Project Name: C-12 North Jet Box
Location: EME 757

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>
0306120-01	Backfill Comp.	SOIL	3/28/03	3/28/03 19:55	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	2 C		
8015M						
8021B/5030 BTEX						
Chloride						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306120
Project:
Project Name: C-12 North Jet Box
Location: EME 757

Lab ID: 0306120-01
Sample ID: Backfill Comp.

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		4/1/03	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	312	10.0
TOTAL, C6-C35	312	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	107%	70	130
1-Chlorooctadecane	109%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005137-02		4/2/03 19:32	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-Xylenc	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	86%	80	120
Bromofluorobenzene	111%	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

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

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306120
Project:
Project Name: C-12 North Jet Box
Location: EME 757

Lab ID: 0306120-01
Sample ID: Backfill Comp.

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Chloride	496	mg/kg	1	20	9253	3/31/03	CK

Approval:

Raland K. Tuttle
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.

4-04-03
Date

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

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#: G0306120

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005102-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306116-01	0	952	898	94.3%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0306116-01	0	952	923	97.7%	2.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005102-05		1000	907	90.7%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306120

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005137-02			<0.025		
Toluene-mg/kg		0005137-02			<0.025		
Ethylbenzene-mg/kg		0005137-02			<0.025		
p/m-Xylene-mg/kg		0005137-02			<0.025		
o-Xylene-mg/kg		0005137-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306143-04	0	0.1	0.086	86.%	
Toluene-mg/kg		0306143-04	0	0.1	0.092	92.%	
Ethylbenzene-mg/kg		0306143-04	0	0.1	0.101	101.%	
p/m-Xylene-mg/kg		0306143-04	0	0.2	0.212	106.%	
o-Xylene-mg/kg		0306143-04	0	0.1	0.104	104.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306143-04	0	0.1	0.093	93.%	7.8%
Toluene-mg/kg		0306143-04	0	0.1	0.095	95.%	3.2%
Ethylbenzene-mg/kg		0306143-04	0	0.1	0.099	99.%	2.%
p/m-Xylene-mg/kg		0306143-04	0	0.2	0.206	103.%	2.9%
o-Xylene-mg/kg		0306143-04	0	0.1	0.098	98.%	5.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005137-05		0.1	0.094	94.%	
Toluene-mg/kg		0005137-05		0.1	0.097	97.%	
Ethylbenzene-mg/kg		0005137-05		0.1	0.099	99.%	
p/m-Xylene-mg/kg		0005137-05		0.2	0.205	102.5%	
o-Xylene-mg/kg		0005137-05		0.1	0.099	99.%	

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

Order#: G0306120

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005095-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306109-02	0	500	532	106.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306109-02	0	500	517	103.4%	2.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005095-04		5000	4960	99.2%	

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris
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: [Signature]

Project Name: C-12-1 North Jet Box

Project #: _____

Project Loc: EME 757

PO #: 757

[illegible]



Current Photodocumentation

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

EME C-12-North (1R427-25)
Unit Letter C, Section 12, T20S, R36E



Facing Northeast

12/31/2012



Facing Northwest

12/31/2012