1R - 427-26

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Thursday, February 07, 2013 1:07 PM
To: Hack Conder (hconder@riceswd.com)
Cc: Leking, Geoffrey R, EMNRD; Laura Pena (lpena@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)
Subject: Remediation Plan (1R427-26) Termination - ROC EME H-10-1 Site

RE: Termination Request
for the Rice Operating Company's
EME H-10-1 Site
Unit Letter H, Section 10, T20S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-26) 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 25, 2013 (received January 28, 2013). The reports are 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 (1R427-26) 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 8777

RECEIVED
JAN 2 ? 2013

January 25, 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 H-10-1 (1R427-26): UL/H Sec. 10, 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 H-10-1 junction box. The site is located in UL/H, Sec. 10, 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 30 x 30 x 17 ft deep excavation. Each sample was field titrated for chlorides, resulting in chloride concentrations that decreased with depth. The excavated soil was blended on site and representative composite samples of the excavation bottom, the excavation walls, and the backfill were sent to a commercial for analysis of chloride and TPH, resulting in a sidewall chloride concentration of 338 mg/kg, a gasoline range organics (GRO) concentration below detectable limits and a diesel range organics (DRO) concentration of 189 mg/kg. The bottom composite resulted in a chloride concentration of 145 mg/kg, a GRO concentration below detectable limits and a DRO concentration of 49.2 mg/kg. The backfill resulted in a chloride concentration below detectable limits, a GRO concentration below detectable limits, and a DRO concentration of 113 mg/kg. BTEX was also analyzed, resulting in concentrations below detectable limits in all samples. On February 13, 2003, a 20-mil plastic liner was installed at approximately 17 ft

bgs. The remediated soil was returned to the excavation to ground surface and contoured to the surrounding area. On April 21, 2003, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

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.

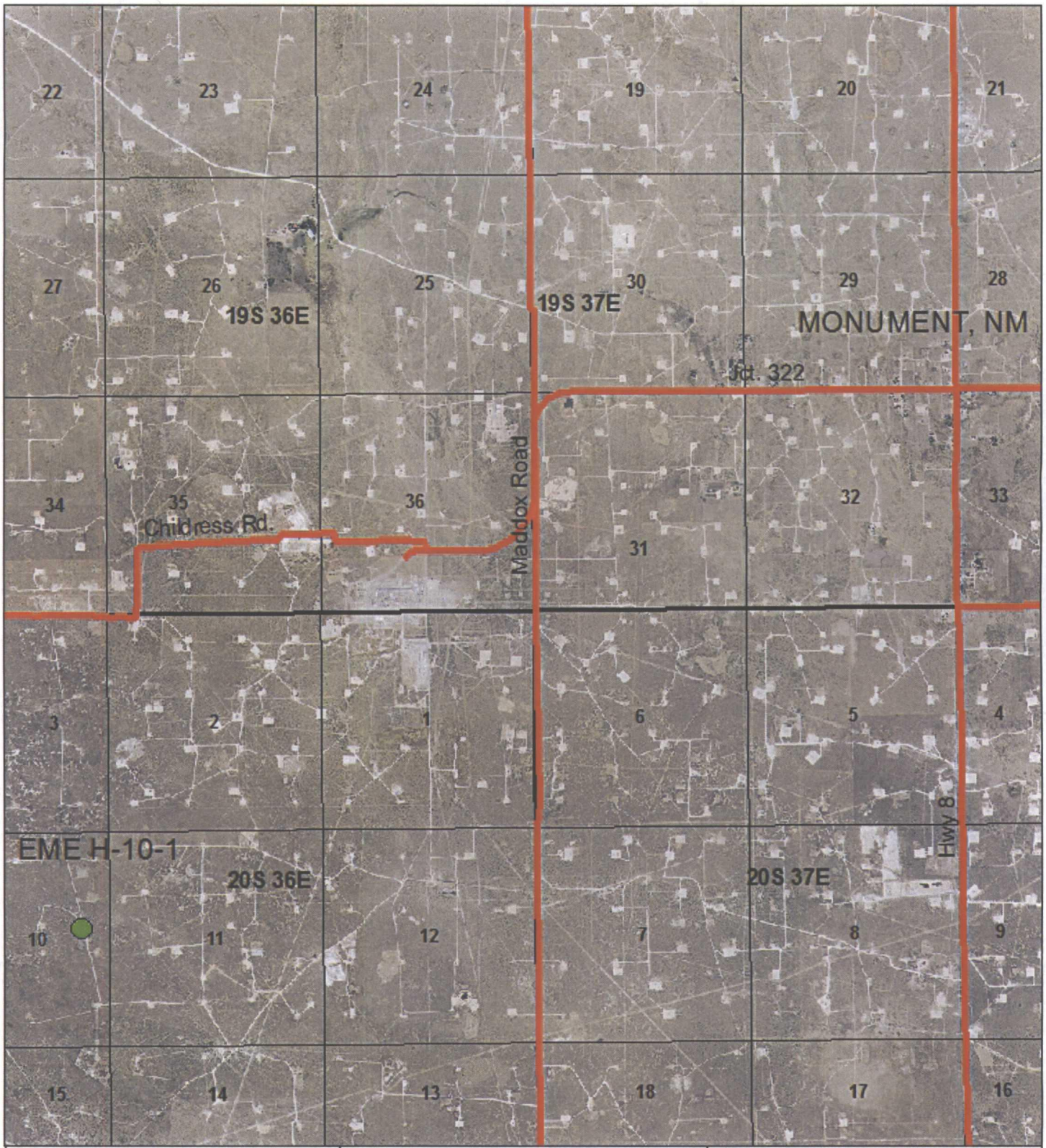
Sincerely,
RICE Operating Company

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



RICE ENVIRONMENTAL CONSULTING & SAFETY, LLC

RECS

EME H-10-1

UL H SECTION 10
T-20-S R-36-E
LEA COUNTY, NM

N
W E
S

0 0.5 1 Miles

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		
							Length	Width	Depth
EME	H-10-1	H	10	20S	36E	Lea	No Box		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER George & Harry Klein OTHER _____

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

Date Started 1/29/2003 Date Completed 2/13/2003 OCD Witness No

Soil Excavated 600 cubic yards Excavation Length 30 Width 30 Depth 17 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 2/12/2003 **Sample Depth** 17' 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	189	338
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	49.2	145
BACKFILL	<0.025	<0.025	<0.025	<0.025	<10.0	113	<20

General Description of Remedial Action: During the jct. box upgrade, it was discovered that the junction was adjacent to an abandoned production facility that was never remediated. The area surrounding the box and that to the south is barren and overlain by hardpan. 15' in every direction was excavated to the depth of 17'bgs where TPH concentrations met OCD guidelines. Chloride impact was minimal. The 30' x 30' x 17' excavation was lined with 20 mil plastic that extended up the sides to about 5'bgs to encapsulate the impacted soil. However, on-site landfarming remediated the soil to OCD guidelines. With the liner already in place, the excavation was backfilled with the remediated soil. The site has been re-seeded with native vegetation and will be monitored for growth. Remaining TPH is expected to naturally attenuate. This site is no longer a junction so a box is not required.

cc: photos, lab results, diagrams

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vetical	Surface	149
	3	8300
	7	199
	11	284
Btm. Comp.	17	189

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

DATE 3/5/2003 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Projects Scientist

EME jct. H-10-1

Before Remediation

Impact Excavation

EME jct. H-10-1

Backfilling Poly Liner

Backfilled (looking north)

ANALYTICAL REPORT

Prepared for:

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

Project:	Jct. H-10-1	Btm. + Wall Comp.
PO#:	749	
Order#:	G0305702	
Report Date:	02/14/2003	

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Rice Operating	Order#: G0305702
122 W. Taylor	Project: None Given
Hobbs, NM 88240	Project Name: Jct. H-10-1
505-397-1471	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.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0305702-01	Btm. Comp. @ 17'	SOIL	2/12/03	2/12/03 19:50	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 1.0 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					
0305702-02	Wall Comp.	SOIL	2/12/03	2/12/03 19:50	4 oz Glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 1.0 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris		Order#:	G0305702
Rice Operating		Project:	None Given
122 W. Taylor		Project Name:	Jct. H-10-1
Hobbs, NM 88240		Location:	EME

Lab ID: 0305702-01
Sample ID: Btm. Comp. @ 17'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		2/13/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	49.2	10.0
TOTAL, C6-C35	49.2	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	98%	70	130
1-Chlorooctadecane	100%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004632-02		2/14/03 0:18	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	85%	80	120
Bromofluorobenzene	95%	80	120

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris		Order#:	G0305702
Rice Operating		Project:	None Given
122 W. Taylor		Project Name:	Jct. H-10-1
Hobbs, NM 88240		Location:	EME

Lab ID: 0305702-02
Sample ID: Wall Comp.

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		2/13/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	189	10.0
TOTAL, C6-C35	189	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	94%	70	130
1-Chlorooctadecane	97%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004632-02		2/14/03 0:39	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	87%	80	120
Bromofluorobenzene	92%	80	120

Approval: Raland K Tuttle 2-14-03
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#:**	**G0305702**
Rice Operating		**Project:**	**None Given**
122 W. Taylor		**Project Name:**	**Jct. H-10-1**
Hobbs, NM 88240		**Location:**	**EME**

Lab ID: 0305702-01
Sample ID: Btm. Comp. @ 17'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	145	mg/kg	1	20.0	9253	2/14/03	CK

Lab ID: 0305702-02
Sample ID: Wall Comp.

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	338	mg/kg	1	20.0	9253	2/14/03	CK

Approval: Raland K Tuttle 2-14-03
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.

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#: G0305702

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0004634-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0305702-01	49.2	952	849	84.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0305702-01	49.2	952	845	83.6%	0.5%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0004634-05		1000	903	90.3%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305702

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004632-02			<0.025		
Toluene-mg/kg	0004632-02			<0.025		
Ethylbenzene-mg/kg	0004632-02			<0.025		
p/m-Xylene-mg/kg	0004632-02			<0.025		
o-Xylene-mg/kg	0004632-02			<0.025		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0305706-04	0	2.5	2.14	85.6%	
Toluene-mg/kg	0305706-04	0.037	2.5	2.21	86.9%	
Ethylbenzene-mg/kg	0305706-04	0	2.5	2.25	90.%	
p/m-Xylene-mg/kg	0305706-04	0.058	5	4.90	96.8%	
o-Xylene-mg/kg	0305706-04	0	2.5	2.31	92.4%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0305706-04	0	2.5	2.21	88.4%	3.2%
Toluene-mg/kg	0305706-04	0.037	2.5	2.24	88.1%	1.3%
Ethylbenzene-mg/kg	0305706-04	0	2.5	2.26	90.4%	0.4%
p/m-Xylene-mg/kg	0305706-04	0.058	5	4.91	97.%	0.2%
o-Xylene-mg/kg	0305706-04	0	2.5	2.34	93.6%	1.3%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0004632-05		0.1	0.087	87.%	
Toluene-mg/kg	0004632-05		0.1	0.088	88.%	
Ethylbenzene-mg/kg	0004632-05		0.1	0.088	88.%	
p/m-Xylene-mg/kg	0004632-05		0.2	0.192	96.%	
o-Xylene-mg/kg	0004632-05		0.1	0.092	92.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305702

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0004640-01			<20.0		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0305697-01	3540	5000	8510	99.4%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0305697-01	3540	5000	8600	101.2%	1.1%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0004640-04		5000	5230	104.6%	

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763

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

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: Kristin Farris

Project Name: jct. H-10-1

Project #:

Project Loc: EME

PO #: 749

Analyze For: TCLP: / TOTAL:

LAB # (lab use only) 0305702	FIELD CODE	Date Sampled	Time Sampled	No. of Containers 4oz glass	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: 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 8021B/5030							RUSH TAT (Pre-Schedule)	Standard TAT
01	Btm. Comp. @ 17'	021203	—	1	X									X		X			X				X								
02	Wall Comp.	021203	—	1	X									X		X			X				X								

Special Instructions: Fax Results

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Rec 1.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
Kristin Farris	021203	1630			

Relinquished by:	Date	Time	Received by ELOT:	Date	Time
[signature]	2-12-03	19:50	Roland K[illegible]	2-12-03	1950

Backfill

ANALYTICAL REPORT

Prepared for:

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

Project:	Jct. H-10-1
PO#:	749
Order#:	G0305841
Report Date:	03/05/2003

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#: G0305841
Project:
Project Name: Jct. H-10-1
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.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0305841-01	Backfill	SOIL	2/27/03	2/27/03 19:36	4 oz glass	Ice

Lab Testing:
8015M
8021B/5030 BTEX
Chloride

Rejected: No Temp: -2 C

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0305841
Project:
Project Name: Jct. H-10-1
Location: EME

Lab ID: 0305841-01
Sample ID: Backfill

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		2/28/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	113	10.0
TOTAL, C6-C35	113	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	99%	70	130
1-Chlorooctadecane	94%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0004839-02		3/4/03 12:20	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	90%	80	120
Bromofluorobenzene	98%	80	120

Approval: Celey D. Keene 3/5/03
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.

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Kristin Farris		Order#:	G0305841
Rice Operating		Project:	
122 W. Taylor		Project Name:	Jct. H-10-1
Hobbs, NM 88240		Location:	EME

Lab ID: 0305841-01
Sample ID: Backfill

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	<20.0	mg/kg	1	20	9253	3/3/03	SB

Approval: Celey D. Keene 3/5/03
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.

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#: G0305841

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0004808-02			<10.0		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0305835-01	0	952	875	91.9%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0305835-01	0	952	809	85.%	7.8%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0004808-05		1000	822	82.2%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305841

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004839-02			<0.025		
Toluene-mg/kg	0004839-02			<0.025		
Ethylbenzene-mg/kg	0004839-02			<0.025		
p/m-Xylene-mg/kg	0004839-02			<0.025		
o-Xylene-mg/kg	0004839-02			<0.025		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0305835-02	0	0.1	0.097	97.%	
Toluene-mg/kg	0305835-02	0	0.1	0.100	100.%	
Ethylbenzene-mg/kg	0305835-02	0	0.1	0.102	102.%	
p/m-Xylene-mg/kg	0305835-02	0	0.2	0.210	105.%	
o-Xylene-mg/kg	0305835-02	0	0.1	0.103	103.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0305835-02	0	0.1	0.098	98.%	1.%
Toluene-mg/kg	0305835-02	0	0.1	0.100	100.%	0.%
Ethylbenzene-mg/kg	0305835-02	0	0.1	0.101	101.%	1.%
p/m-Xylene-mg/kg	0305835-02	0	0.2	0.208	104.%	1.%
o-Xylene-mg/kg	0305835-02	0	0.1	0.102	102.%	1.%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0004839-05		0.1	0.098	98.%	
Toluene-mg/kg	0004839-05		0.1	0.102	102.%	
Ethylbenzene-mg/kg	0004839-05		0.1	0.102	102.%	
p/m-Xylene-mg/kg	0004839-05		0.2	0.211	105.5%	
o-Xylene-mg/kg	0004839-05		0.1	0.105	105.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305841

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0004828-01			<20.0		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0305835-01	106	1000	1100	99.4%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0305835-01	106	1000	1100	99.4%	0.%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg	0004828-04		5000	4960	99.2%	

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

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: Kristin Farris

Project Name: jct. H-10-1
Project #:
Project Loc: EME
PO #: 749

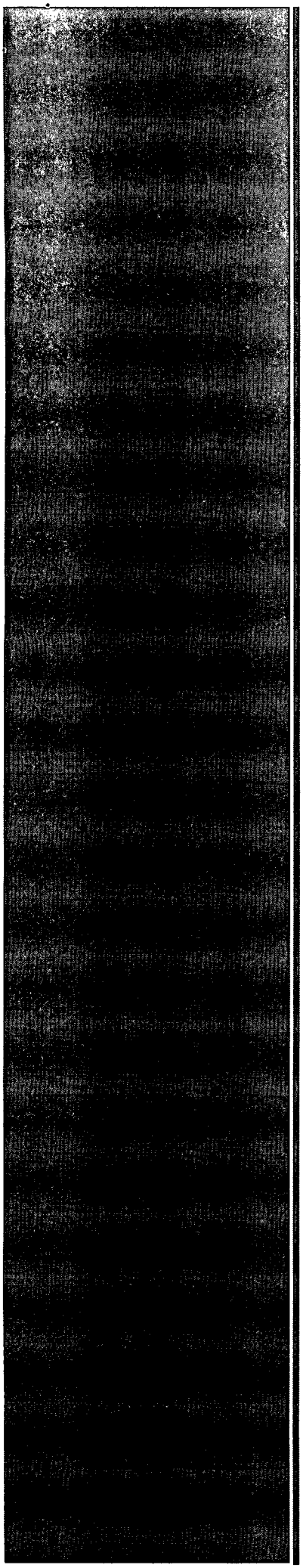
030581

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TOTAL: ~~SDG~~ CL / ~~SAR/ESC~~	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
01	Backfill	022703	—	1	X									X		X			X				X		

Special Instructions:
Fax Results.

Sample Containers Intact? Y N
Temperature Upon Receipt: 7° C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
K. Farris	022703	1630			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
C. Haynes	2-27-03	19:36	[illegible]	2-27-03	1936



Current Photodocumentation

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

EME H-10-1 (1R427-26)
Unit Letter H, Section 10, T20S, R36E

Facing North 1/15/2013

Facing South 1/15/2013

T20S, R36E

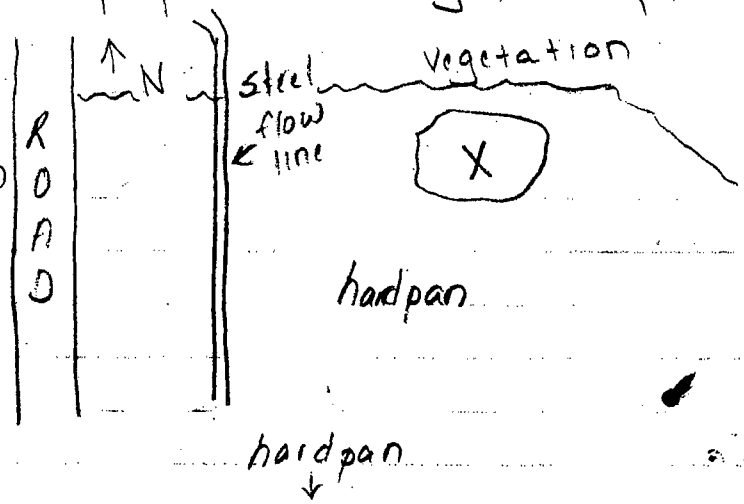
George + Harry Klein

GW = 31'

EME jct. H-10-1

103

2" poly line @ 3' bgs; sandy; stressed vegetation.



0	338	TPH	149	Cl⁻	NO	Sand
3'	5000		8300		SO	Dark sand
5'	2490		1716		"	Sand w/caliche
7'	1349		199		NO	"
9'	1080		201		"	"
11'	6000	LAB 4631	284	LAB 142	"	"
13'	9200					
15'	625					

cave'd radius e

Excavation w trackhoe to 17'

8'	—	TPH	259	Cl⁻	NO Caliche
17'	—	TPH	800	Cl⁻	NO Caliche

15'E
13' — TPH 345 Cl⁻ 0 Caliche

15'S
13' —— TPH — Cl⁻

2/11 Slope + excavate S.

2/12 Shelf E + W ; Slope N

Btm. Comp @ 17' = 93 TPH (LAB=49, RE) 189 Cl⁻ (LAB=145)

Wall Comp. = —— TPH (LAB=189) —— Cl⁻ (LAB=338)

2/13 Install 20 mil. poly liner + backfill

2/21 Backfill = 113 TPH, <20 Cl⁻ } LAB