

1R - 427-19

**APPROVALS**

**YEAR(S):**

2013

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**Hansen, Edward J., EMNRD**

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**From:** Hansen, Edward J., EMNRD  
**Sent:** Thursday, January 17, 2013 4:17 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 (1R427-19) Termination - ROC EME Cooper Fed 'D' EOL Site

**RE: Termination Request  
for the Rice Operating Company's  
EME Cooper Fed 'D' EOL Site  
Unit Letter E, Section 26, T20S, R36E, NMPM, Lea County, New Mexico  
Remediation Plan (1R427-19) 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 11, 2013 (received January 15, 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 (1R427-19) 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*

122 West Taylor • Hobbs, New Mexico 88240

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

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 8746

**January 11, 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

**RECEIVED**

**JAN 15 2013**

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

RE: Termination Request  
EME Cooper Fed 'D' EOL (1R427-19): UL/E Sec. 26, 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 Cooper Fed 'D' EOL junction box. The site is located in UL/E, Sec. 26, T20S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 106 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 20x10x12 ft deep excavation. Each sample was field titrated for chlorides resulting in low concentrations. 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 laboratory for analysis of chloride and TPH, resulting in a sidewall chloride concentration of 478 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 443 mg/kg, a GRO concentration below detectable limits, and a DRO concentration of 71.8 mg/kg. The remediated backfill resulted in a chloride concentration of 319 mg/kg, a GRO concentration below detectable limits, and a DRO concentration of 661 mg/kg. BTEX was also analyzed, resulting in concentrations below detectable limits in all samples. The remediated backfill was returned to the excavation to ground surface and contoured to the surrounding area.

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.

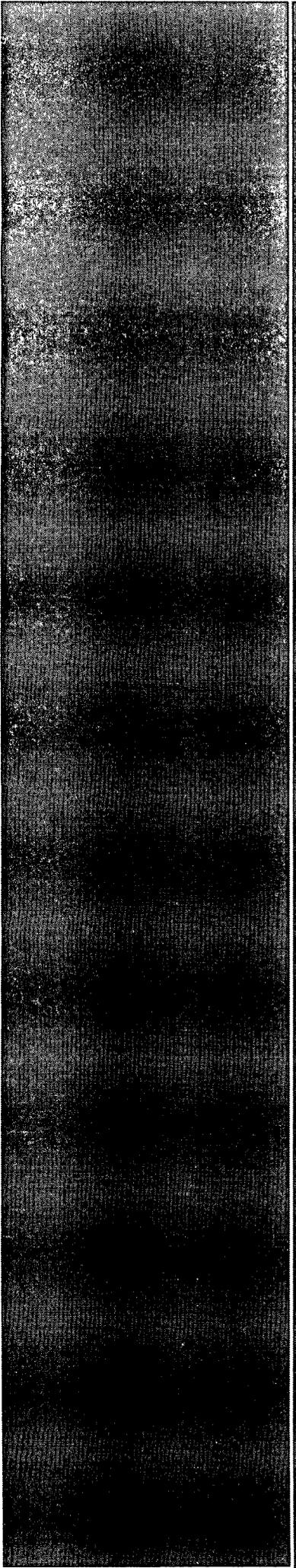
Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,  
RICE Operating Company

A handwritten signature in black ink, appearing to read "H. Conder", with a long horizontal flourish extending to the right.

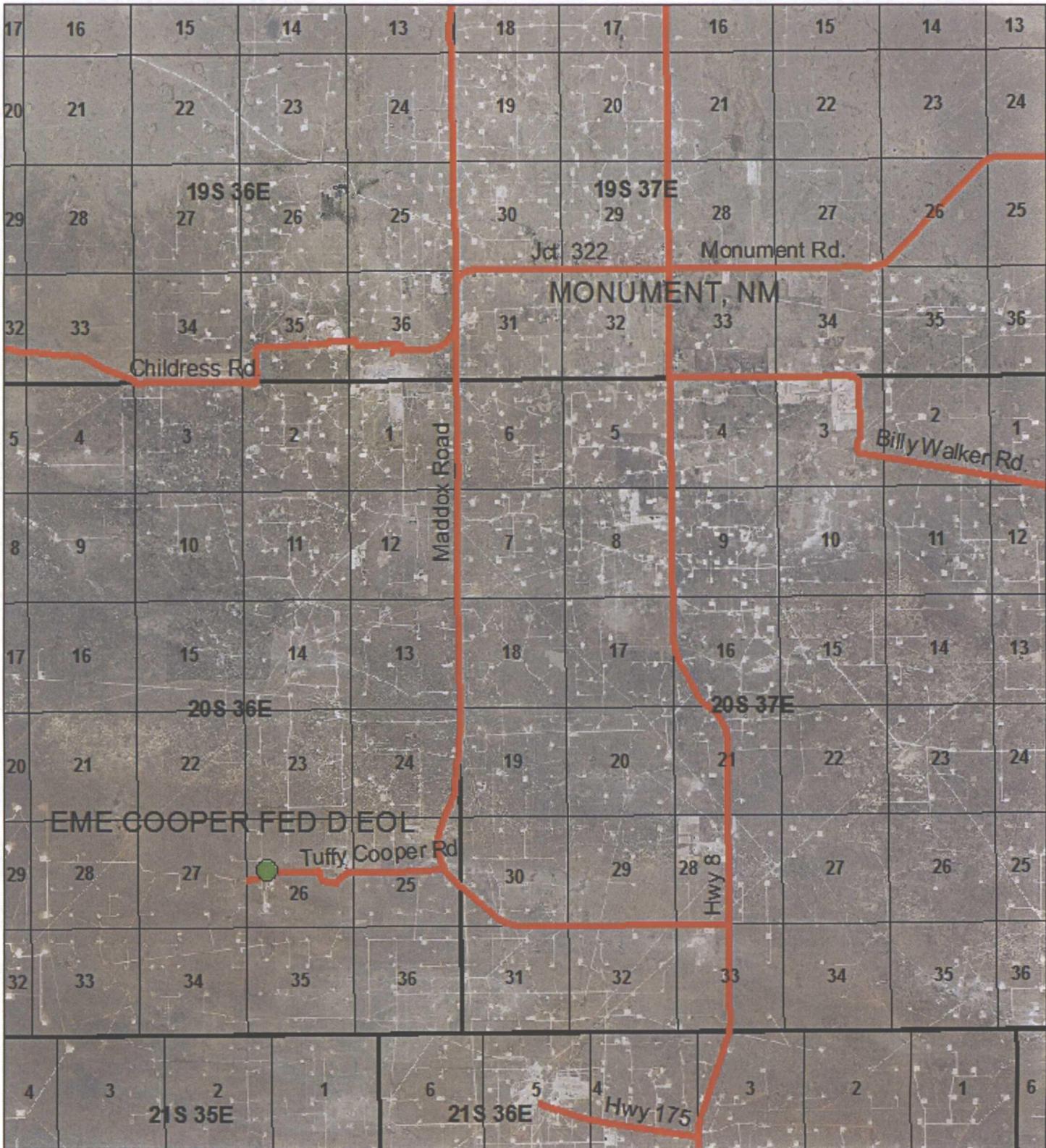
Hack Conder  
Environmental Manager

enclosures

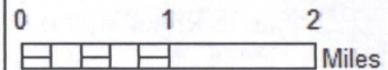


## Site Location Map

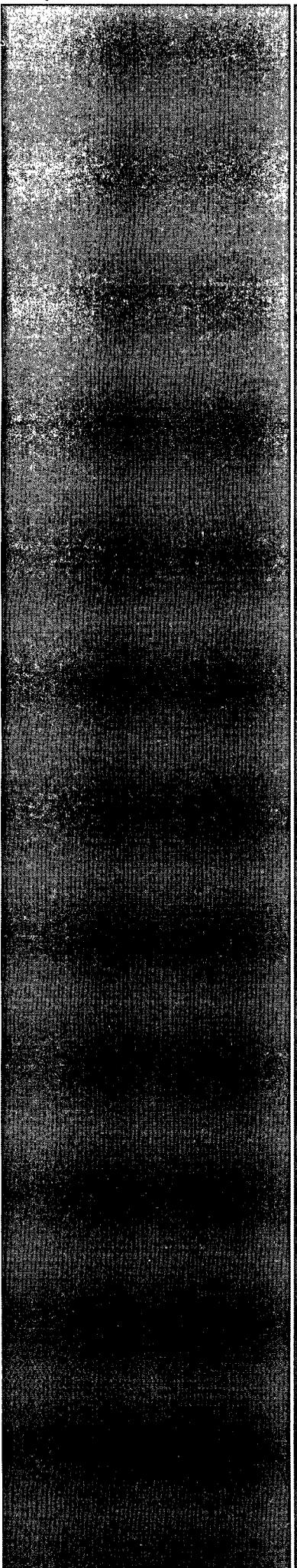
**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471



**EME  
COOPER FED 'D'  
EOL**  
 ULE SECTION 26  
 T-20-S R-36-E  
 IEA 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		
							Length	Width	Depth
EME	Cooper Fed. 'D' EOL	E	26	20 S	36 E	Lea	8	5	5.5

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Tuffy Cooper OTHER \_\_\_\_\_

Depth to Groundwater 106 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 3/12/2003 Date Completed 3/27/2003 OCD Witness No

Soil Excavated 88 cubic yards Excavation Length 20 Width 10 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 3/14/2003 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 mg/kg
SIDEWALLS	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	478
BOTTOM	<0.025	<0.025	<0.025	<0.025	<10.0	71.8	443
REMEDIATED	<0.025	<0.025	<0.025	<0.025	<10.0	661	319

**General Description of Remedial Action:** This junction is located near an active production facility. The site was delineated vertically and laterally producing a 20' x 10' x 12' bgs excavation. Groundwater is 106'. There were no signs of TPH impact and samples taken to a lab resulted in concentrations below NMOCD guidelines. ROC believes that chloride concentrations of this magnitude does not present a threat to groundwater that is 90+ feet below. The excavated soil was blended at the location and then backfilled into the hole. A water-tight junction box has been build over the site.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
Vertical	4	250
	6	350
	8	200
	10	400
	12	550
wall comp.	n/a	400
bottom comp.	12	580
remed. Comp.	n/a	319

cc: lab results, photos

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

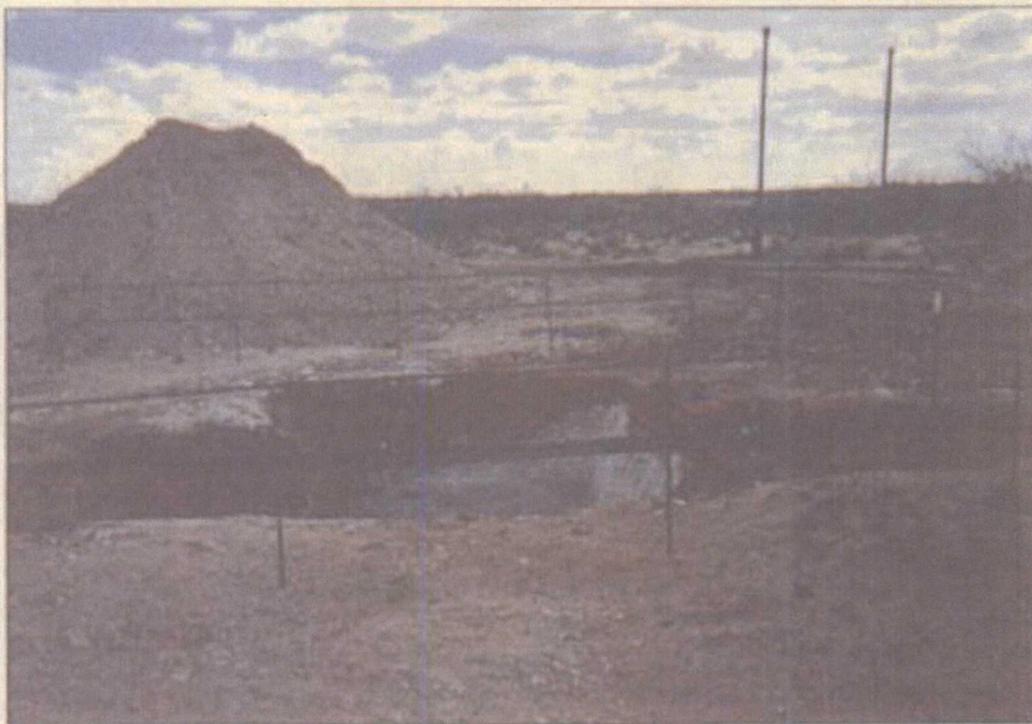
DATE 4/11/2003 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Projects Scientist

## EME Cooper Fed. 'D'



NORM Removal



Impact Excavation



Impact Excavation



Box Construction (with poly liner)



New Junction Box

# ANALYTICAL REPORT

## Prepared for:

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

**Project:** Cooper Fed 'D' EOL

**PO#:** 757

**Order#:** G0305982

**Report Date:** 03/20/2003

### 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#: G0305982  
Project:  
Project Name: Cooper Fed 'D' EOL  
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>
0305982-01	Wall Comp.	SOIL	3/14/03	3/14/03 19:30	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 2.0 C		
0305982-02	Bottom Comp. @ 12'	SOIL	3/14/03	3/14/03 19:30	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#: G0305982  
 Project:  
 Project Name: Cooper Fed 'D' EOL  
 Location: EME

Lab ID: 0305982-01  
 Sample ID: Wall Comp.

### 8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor		
		3/17/03	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	94%	70	130
1-Chlorooctadecane	86%	70	130

### 8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor		
0004966-02		3/17/03 15:10	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	114%	80	120

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

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

Order#: G0305982  
 Project:  
 Project Name: Cooper Fed 'D' EOL  
 Location: EME

Lab ID: 0305982-02  
 Sample ID: Bottom Comp. @ 12'

### 8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		3/17/03	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	71.8	10.0
TOTAL, C6-C35	71.8	10.0

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

### 8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0004966-02		3/17/03 15:30	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	88%	80	120
Bromofluorobenzene	111%	80	120

Approval: *Raland K Tuttle* 3-25-03  
 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

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

Order#: G0305982  
Project:  
Project Name: Cooper Fed 'D' EOL  
Location: EME

Lab ID: 0305982-01  
Sample ID: Wall 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	478	mg/kg	1	20	9253	3/20/03	SB

Lab ID: 0305982-02  
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	443	mg/kg	1	20	9253	3/20/03	SB

Approval: Raland K Tuttle 3-25-03

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#: G0305982

<i>BLANK</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
		0004968-02			<10.0		
<i>MS</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
		0305982-01	0	952	811	85.2%	
<i>MSD</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
		0305982-01	0	952	895	94.0%	9.8%
<i>SRM</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
		0004968-05		1000	960	96.0%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0305982

<b>BLANK</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
SOIL							
	Benzene-mg/kg	0004966-02			<0.025		
	Toluene-mg/kg	0004966-02			<0.025		
	Ethylbenzene-mg/kg	0004966-02			<0.025		
	p/m-Xylene-mg/kg	0004966-02			<0.025		
	o-Xylene-mg/kg	0004966-02			<0.025		
<b>CONTROL</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
SOIL							
	Benzene-mg/kg	0004966-03		0.1	0.099	99.%	
	Toluene-mg/kg	0004966-03		0.1	0.103	103.%	
	Ethylbenzene-mg/kg	0004966-03		0.1	0.106	106.%	
	p/m-Xylene-mg/kg	0004966-03		0.2	0.222	111.%	
	o-Xylene-mg/kg	0004966-03		0.1	0.113	113.%	
<b>CONTROL DUP</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
SOIL							
	Benzene-mg/kg	0004966-04		0.1	0.094	94.%	5.2%
	Toluene-mg/kg	0004966-04		0.1	0.097	97.%	6.%
	Ethylbenzene-mg/kg	0004966-04		0.1	0.099	99.%	6.8%
	p/m-Xylene-mg/kg	0004966-04		0.2	0.206	103.%	7.5%
	o-Xylene-mg/kg	0004966-04		0.1	0.106	106.%	6.4%
<b>SRM</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
SOIL							
	Benzene-mg/kg	0004966-05		0.1	0.094	94.%	
	Toluene-mg/kg	0004966-05		0.1	0.098	98.%	
	Ethylbenzene-mg/kg	0004966-05		0.1	0.101	101.%	
	p/m-Xylene-mg/kg	0004966-05		0.2	0.212	106.%	
	o-Xylene-mg/kg	0004966-05		0.1	0.108	108.%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### Test Parameters

Order#: G0305982

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004978-01			<20.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305982-01	478	500	939	92.2%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305982-01	478	500	957	95.8%	1.9%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004978-04		5000	4960	99.2%	



# ANALYTICAL REPORT

## Prepared for:

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

**Project:** Cooper Fed 'D' EOL  
**PO#:** 757  
**Order#:** G0306117  
**Report Date:** 04/02/2003

### Certificates

US EPA Laboratory Code TX00158

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# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

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

Order#: G0306117  
Project:  
Project Name: Cooper Fed 'D' EOL  
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>
0306117-01	Remed. Comp.	SOIL	3/27/03	3/28/03 19:55	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 2 C		
	8015M					
	8021B/5030 BTEX					
	Chloride					

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# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

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

Order#: G0306117  
 Project:  
 Project Name: Cooper Fed 'D' EOL  
 Location: EME

Lab ID: 0306117-01  
 Sample ID: Remed. Comp.

### 8015M

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

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	661	10.0
TOTAL, C6-C35	661	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	113%	70	130
1-Chlorooctadecane	120%	70	130

### 8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor		
0005116-02		4/1/03 18:23	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	80%	80	120
Bromofluorobenzene	104%	80	120

Approval: Cele D. Keene 4/10/03  
 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

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

Order#: G0306117  
Project:  
Project Name: Cooper Fed 'D' EOL  
Location: EME

Lab ID: 0306117-01  
Sample ID: Remed. 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	319	mg/kg	1	20	9253	3/31/03	CK

Approval:

*Celey D. Keene*  
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.

*4/02/03*  
Date

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8015M

Order#: G0306117

<b>BLANK</b>		<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
	SOIL						
TOTAL, C6-C35-mg/kg		0005102-02			<10.0		
<b>MS</b>		<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
	SOIL						
TOTAL, C6-C35-mg/kg		0306116-01	0	952	898	94.3%	
<b>MSD</b>		<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
	SOIL						
TOTAL, C6-C35-mg/kg		0306116-01	0	952	923	97%	2.7%
<b>SRM</b>		<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
	SOIL						
TOTAL, C6-C35-mg/kg		0005102-05		1000	907	90.7%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306117

<b>BLANK</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL						
Benzene-mg/kg		0005116-02			<0.025		
Toluene-mg/kg		0005116-02			<0.025		
Ethylbenzene-mg/kg		0005116-02			<0.025		
p/m-Xylene-mg/kg		0005116-02			<0.025		
o-Xylene-mg/kg		0005116-02			<0.025		
<b>MS</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL						
Benzene-mg/kg		0306119-01	0	0.1	0.089	89.%	
Toluene-mg/kg		0306119-01	0	0.1	0.092	92.%	
Ethylbenzene-mg/kg		0306119-01	0	0.1	0.100	100.%	
p/m-Xylene-mg/kg		0306119-01	0	0.2	0.209	104.5%	
o-Xylene-mg/kg		0306119-01	0	0.1	0.107	107.%	
<b>MSD</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL						
Benzene-mg/kg		0306119-01	0	0.1	0.086	86.%	3.4%
Toluene-mg/kg		0306119-01	0	0.1	0.089	89.%	3.3%
Ethylbenzene-mg/kg		0306119-01	0	0.1	0.097	97.%	3.%
p/m-Xylene-mg/kg		0306119-01	0	0.2	0.204	102.%	2.4%
o-Xylene-mg/kg		0306119-01	0	0.1	0.103	103.%	3.8%
<b>SRM</b>		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	SOIL						
Benzene-mg/kg		0005116-05		0.1	0.085	85.%	
Toluene-mg/kg		0005116-05		0.1	0.089	89.%	
Ethylbenzene-mg/kg		0005116-05		0.1	0.095	95.%	
p/m-Xylene-mg/kg		0005116-05		0.2	0.199	99.5%	
o-Xylene-mg/kg		0005116-05		0.1	0.099	99.%	

# ENVIRONMENTAL LAB OF TEXAS

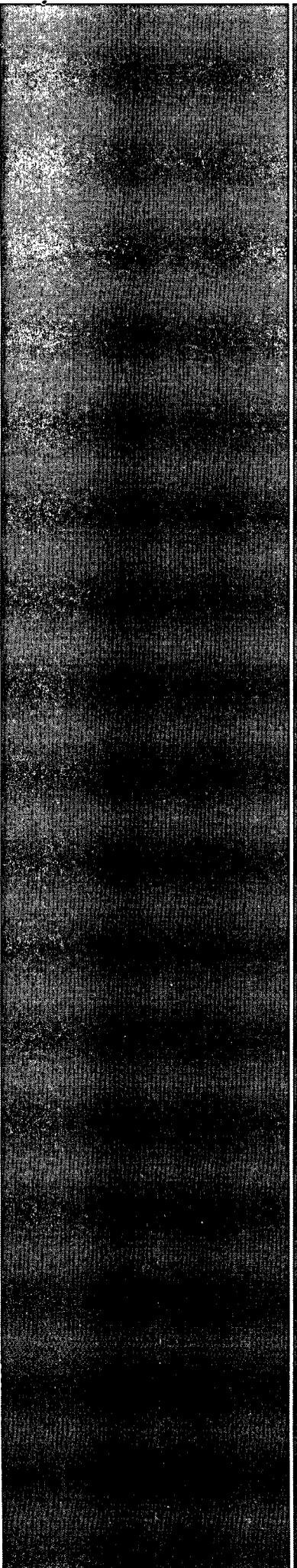
## QUALITY CONTROL REPORT

### Test Parameters

Order#: G0306117

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





# Current Photodocumentation

**RICE *Operating Company* (ROC)**  
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Phone: (575) 393-9174 Fax: (575) 397-1471

EME Cooper Fed 'D' EOL (1R427-19)  
Unit Letter E, Section 26, T20S, R36E



Facing South

1/8/2013



Facing East

1/8/2013