

1R - 427-22

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Monday, February 04, 2013 12:39 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 (1R427-22) Termination - ROC EME F-11 Site

**RE: Termination Request
for the Rice Operating Company's
EME F-11 Site
Unit Letter F, Section 11, T20S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-22) 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 (1R427-22) 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

RECEIVED OGD

2012 JAN 28 P 1:31

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 8777

January 25, 2012

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

RE: Termination Request
EME F-11 (1R427-22): UL/F Sec. 11, 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 F-11 junction box. The site is located in UL/F, Sec. 11, 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 20x20x7 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 142 mg/kg and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The bottom composite resulted in a chloride concentration of 106 mg/kg, and GRO and DRO concentrations below detectable limits. The remediated backfill resulted in chloride and GRO concentrations below detectable limits and a DRO concentration of 186 mg/kg. The remediated backfill was returned to the excavation to ground surface and contoured to the surrounding area. On 4/21/2003, the site was seeded with a blend of native

vegetation and was expected to return to a productive capacity at a normal rate. A junction box is no longer needed at the site.

The junction box site location map, final report, photodocumentation, laboratory analysis and current photodocumentation are attached. Vegetation has rebounded at the site so no re-vegetation efforts are needed.

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.

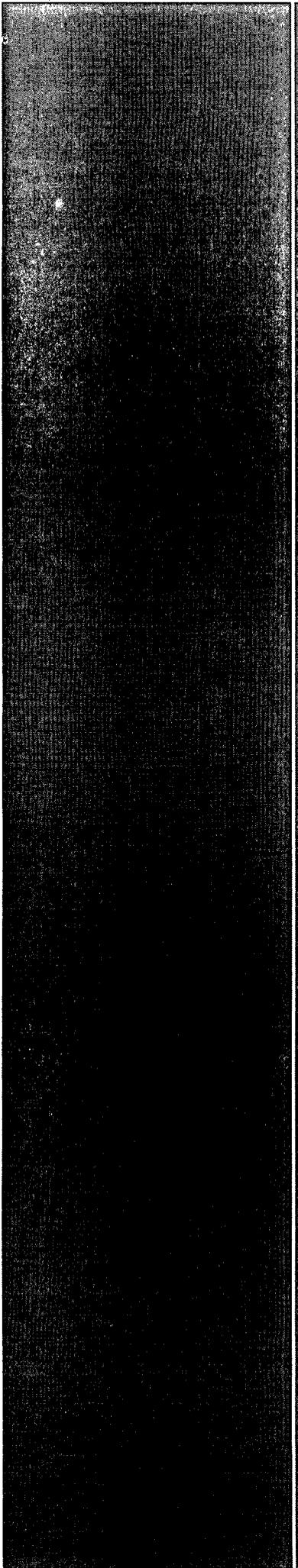
Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

Sincerely,
RICE Operating Company

A handwritten signature in black ink, appearing to read "H. Conder", written in a cursive style.

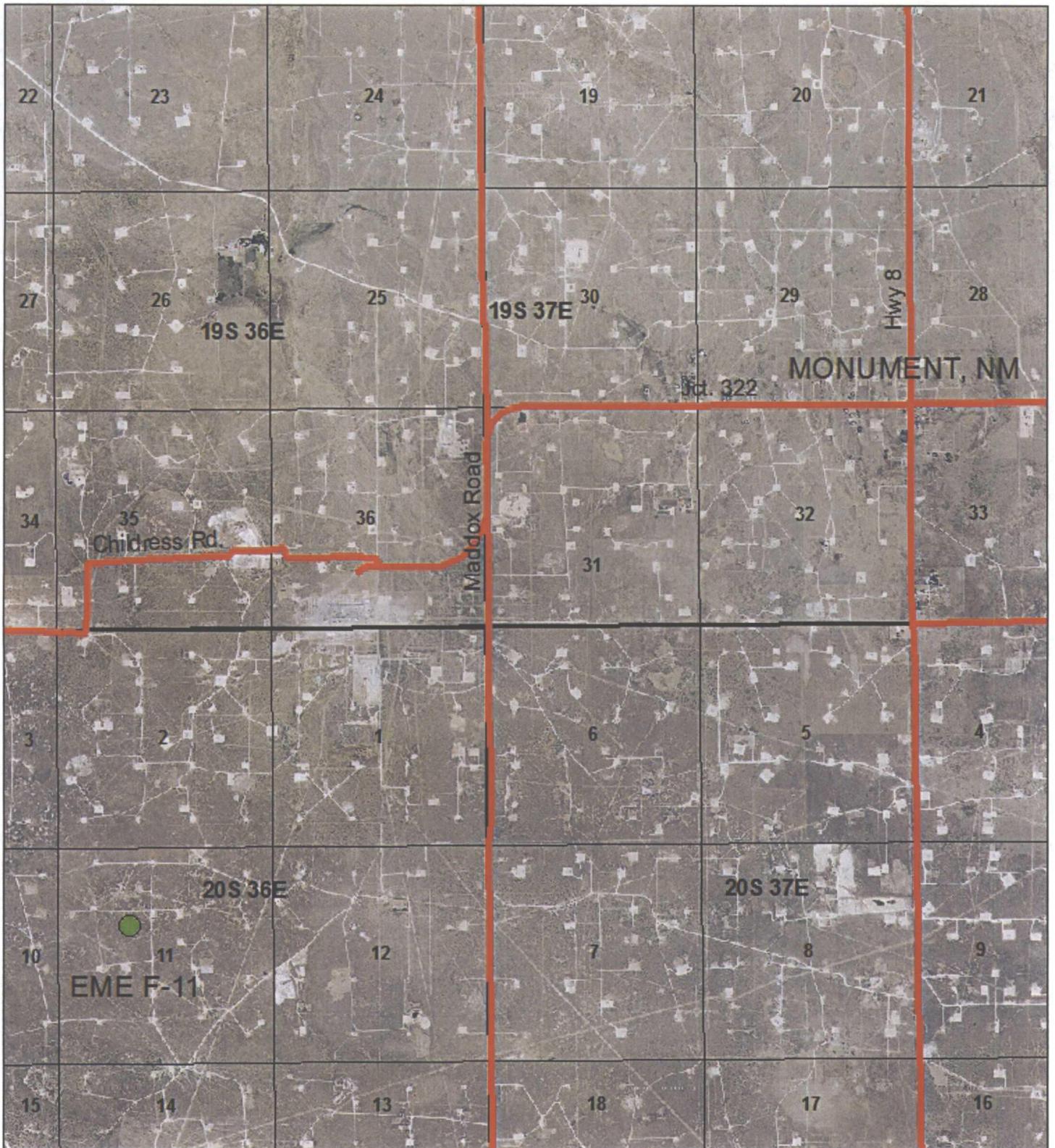
Hack Conder
Environmental Manager

enclosures



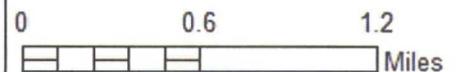
Site Location Map

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

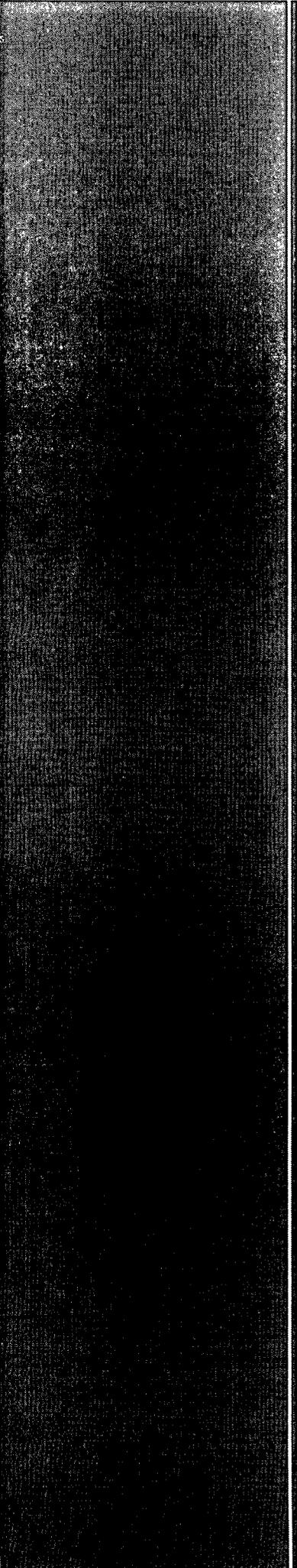


**EME
 F-11**

**UL F SECTION 11
 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 | | |
|------------|----------|------|---------|----------|-------|--------|-----------------------|-------|-------|
| | | | | | | | Length | Width | Depth |
| EME | F-11 | F | 10 | 20S | 36E | Lea | No Box | | |

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

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

Date Started 2/24/2003 Date Completed 4/1/2003 OCD Witness No

Soil Excavated 104 cubic yards Excavation Length 20 Width 20 Depth 7 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 2/25/2003 Sample Depth 7'

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 | 142 |
| BOTTOM | <0.025 | <0.025 | <0.025 | <0.025 | <10.0 | <10.0 | 106 |
| REMEDIATED | <0.025 | <0.025 | <0.025 | <0.025 | <10.0 | 186 | <20 |

General Description of Remedial Action: The box was located amongst sparsely vegetated sand dunes. The site was delineated vertically and laterally for TPH and chlorides, producing a 20' x 20' x 7' excavation. The excavated soil was landfarmed on location and then backfilled into the hole. The site was contoured to mimic the natural landscape. This site is no longer a junction so a box was not required. The disturbed surface was seeded with native vegetation and is expected to return to productive capacity at a normal rate. These activities are not detrimental to groundwater, livestock, or public health.

CHLORIDE FIELD TESTS

| LOCATION | DEPTH | ppm |
|--------------|-------|-----|
| Vertical | 2 | 715 |
| | 7 | 100 |
| wall comp. | n/a | 173 |
| bottom comp. | n/a | 147 |
| | | |
| | | |
| | | |
| | | |

cc: lab results, photos

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

DATE 4/9/2003 PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris TITLE Projects Scientist

EME jct. F-11



↓ Excavation ↑



Backfilled

ANALYTICAL REPORT

Prepared for:

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

Project: Jct. F-11
PO#: 749
Order#: G0305835
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#: G0305835
 Project:
 Project Name: Jct. F-11
 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> |
|----------------|---|----------------|--|---------------------------------------|------------------|---------------------|
| 0305835-01 | Btm. Comp. @ 7' | SOIL | 2/25/03 | 2/27/03 19:36 | 4 oz glass | Ice |
| | <u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride | Rejected: No | | Temp: -2 C | | |
| 0305835-02 | Wall Comp. @ 5' | SOIL | 2/25/03 | 2/27/03 19:36 | 4 oz glass | Ice |
| | <u>Lab Testing:</u> 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#: G0305835
 Project:
 Project Name: Jct. F-11
 Location: EME

Lab ID: 0305835-01
 Sample ID: Btm. Comp. @ 7'

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 | CK | 8015M |
| | | 2/28/03 | 1 | 1 | | |

| 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 | 96% | 70 | 130 |
| 1-Chlorooctadecane | 90% | 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 | CK | 8021B |
| 0004839-02 | | 3/4/03 11:20 | 1 | 25 | | |

| 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 | 91% | 80 | 120 |
| Bromofluorobenzene | 94% | 80 | 120 |

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0305835
 Project:
 Project Name: Jct. F-11
 Location: EME

Lab ID: 0305835-02
 Sample ID: Wall Comp. @ 5'

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> | | |
| | | 2/28/03 | 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 |

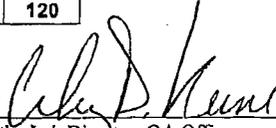
| Surrogates | % Recovered | QC Limits (%) | |
|--------------------|-------------|---------------|-----|
| 1-Chlorooctane | 111% | 70 | 130 |
| 1-Chlorooctadecane | 105% | 70 | 130 |

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> | | |
| 0004839-02 | | 3/4/03 11:40 | 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 | 98% | 80 | 120 |
| Bromofluorobenzene | 102% | 80 | 120 |

Approval:  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.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0305835
Project:
Project Name: Jet. F-11
Location: EME

Lab ID: 0305835-01
Sample ID: Btm. Comp. @ 7'

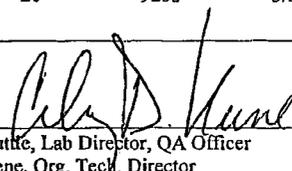
Test Parameters

| <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 | 106 | mg/kg | 1 | 20 | 9253 | 3/3/03 | SB |

Lab ID: 0305835-02
Sample ID: Wall Comp. @ 5'

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 | 142 | mg/kg | 1 | 20 | 9253 | 3/3/03 | SB |

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: 3/5/03

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****8015M**

Order#: G0305835

| 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#: G0305835

| 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 | 97.0% | |
| Toluene-mg/kg | | 0305835-02 | 0 | 0.1 | 0.100 | 100.0% | |
| Ethylbenzene-mg/kg | | 0305835-02 | 0 | 0.1 | 0.102 | 102.0% | |
| p/m-Xylene-mg/kg | | 0305835-02 | 0 | 0.2 | 0.210 | 105.0% | |
| o-Xylene-mg/kg | | 0305835-02 | 0 | 0.1 | 0.103 | 103.0% | |
| MSD | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Benzene-mg/kg | | 0305835-02 | 0 | 0.1 | 0.098 | 98.0% | 1.0% |
| Toluene-mg/kg | | 0305835-02 | 0 | 0.1 | 0.100 | 100.0% | 0.0% |
| Ethylbenzene-mg/kg | | 0305835-02 | 0 | 0.1 | 0.101 | 101.0% | 1.0% |
| p/m-Xylene-mg/kg | | 0305835-02 | 0 | 0.2 | 0.208 | 104.0% | 1.0% |
| o-Xylene-mg/kg | | 0305835-02 | 0 | 0.1 | 0.102 | 102.0% | 1.0% |
| SRM | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Benzene-mg/kg | | 0004839-05 | | 0.1 | 0.098 | 98.0% | |
| Toluene-mg/kg | | 0004839-05 | | 0.1 | 0.102 | 102.0% | |
| Ethylbenzene-mg/kg | | 0004839-05 | | 0.1 | 0.102 | 102.0% | |
| p/m-Xylene-mg/kg | | 0004839-05 | | 0.2 | 0.211 | 105.5% | |
| o-Xylene-mg/kg | | 0004839-05 | | 0.1 | 0.105 | 105.0% | |

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0305835

| <i>BLANK</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
|----------------|------|------------|------------------|-----------------|----------------|------------------|------|
| Chloride-mg/kg | | 0004828-01 | | | <20.0 | | |
| <i>MS</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Chloride-mg/kg | | 0305835-01 | 106 | 1000 | 1100 | 99.4% | |
| <i>MSD</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Chloride-mg/kg | | 0305835-01 | 106 | 1000 | 1100 | 99.4% | 0.0% |
| <i>SRM</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Chloride-mg/kg | | 0004828-04 | | 5000 | 4960 | 99.2% | |

ANALYTICAL REPORT

Prepared for:

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

Project: Jct. F-11
PO#: 757
Order#: G0306158
Report Date: 04/08/2003

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#: G0306158
 Project:
 Project Name: Jct. F-11
 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 Collected</u> | <u>Date / Time Received</u> | <u>Container</u> | <u>Preservative</u> |
|----------------|---------------------|----------------|------------------------------|-----------------------------|------------------|---------------------|
| 0306158-01 | Remed. Comp. | SOIL | 4/1/03 | 4/3/03 9:30 | 4 oz glass | Ice |
| | <u>Lab Testing:</u> | Rejected: No | | Temp: 7 C | | |
| | 8015M | | | | | |
| | 8021B/5030 BTEX | | | | | |
| | Chloride | | | | | |

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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

Order#: G0306158
 Project:
 Project Name: Jct. F-11
 Location: EME

Lab ID: 0306158-01
 Sample ID: Remed. Comp.

8015M

| Method Blank | Date Prepared | Date Analyzed | Sample Amount | Dilution Factor | Analyst | Method |
|-----------------|------------------|------------------|------------------|--------------------|---------|--------|
| | | 4/4/03 14:03 | 1 | 1 | WL | 8015M |

| Parameter | Result mg/kg | RL |
|---------------|-----------------|------|
| GRO, C6-C12 | <10.0 | 10.0 |
| DRO, >C12-C35 | 186 | 10.0 |
| TOTAL, C6-C35 | 186 | 10.0 |

| Surrogates | % Recovered | QC Limits (%) | |
|--------------------|-------------|---------------|-----|
| 1-Chlorooctane | 103% | 70 | 130 |
| 1-Chlorooctadecane | 122% | 70 | 130 |

8021B/5030 BTEX

| Method Blank | Date Prepared | Date Analyzed | Sample Amount | Dilution Factor | Analyst | Method |
|-----------------|------------------|------------------|------------------|--------------------|---------|--------|
| 0005140-02 | | 4/3/03 20:27 | 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 | 97% | 80 | 120 |
| Bromofluorobenzene | 103% | 80 | 120 |

Approval: Raland K Tuttle 4-08-03
 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#: G0306158
 Project:
 Project Name: Jct. F-11
 Location: EME

Lab ID: 0306158-01
 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 | <20.0 | mg/kg | 1 | 20 | 9253 | 4/7/03 | CK |

Approval: Roland K Tuttle 4-08-03
 Roland 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#: G0306158**

| BLANK | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
|--------------|------|------------|---------------------|--------------------|-------------------|---------------------|-------|
| | | 0005139-02 | | | <10.0 | | |
| MS | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| | | 0306154-01 | 0 | 952 | 1070 | 112.4% | |
| MSD | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| | | 0306154-01 | 0 | 952 | 964 | 101.3% | 10.4% |
| SRM | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| | | 0005139-05 | | 1000 | 997 | 99.7% | |

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306158

| BLANK | | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
|--------------------|--|------------|------------------|-----------------|----------------|------------------|------|
| SOIL | | | | | | | |
| Benzene-mg/kg | | 0005140-02 | | | <0.025 | | |
| Toluene-mg/kg | | 0005140-02 | | | <0.025 | | |
| Ethylbenzene-mg/kg | | 0005140-02 | | | <0.025 | | |
| p/m-Xylene-mg/kg | | 0005140-02 | | | <0.025 | | |
| o-Xylene-mg/kg | | 0005140-02 | | | <0.025 | | |
| MS | | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| SOIL | | | | | | | |
| Benzene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.102 | 102.0% | |
| Toluene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.104 | 104.0% | |
| Ethylbenzene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.105 | 105.0% | |
| p/m-Xylene-mg/kg | | 0306165-02 | 0 | 0.2 | 0.219 | 109.5% | |
| o-Xylene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.105 | 105.0% | |
| MSD | | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| SOIL | | | | | | | |
| Benzene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.105 | 105.0% | 2.9% |
| Toluene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.107 | 107.0% | 2.8% |
| Ethylbenzene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.110 | 110.0% | 4.7% |
| p/m-Xylene-mg/kg | | 0306165-02 | 0 | 0.2 | 0.229 | 114.5% | 4.5% |
| o-Xylene-mg/kg | | 0306165-02 | 0 | 0.1 | 0.111 | 111.0% | 5.6% |
| SRM | | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| SOIL | | | | | | | |
| Benzene-mg/kg | | 0005140-05 | | 0.1 | 0.091 | 91.0% | |
| Toluene-mg/kg | | 0005140-05 | | 0.1 | 0.094 | 94.0% | |
| Ethylbenzene-mg/kg | | 0005140-05 | | 0.1 | 0.102 | 102.0% | |
| p/m-Xylene-mg/kg | | 0005140-05 | | 0.2 | 0.216 | 108.0% | |
| o-Xylene-mg/kg | | 0005140-05 | | 0.1 | 0.097 | 97.0% | |

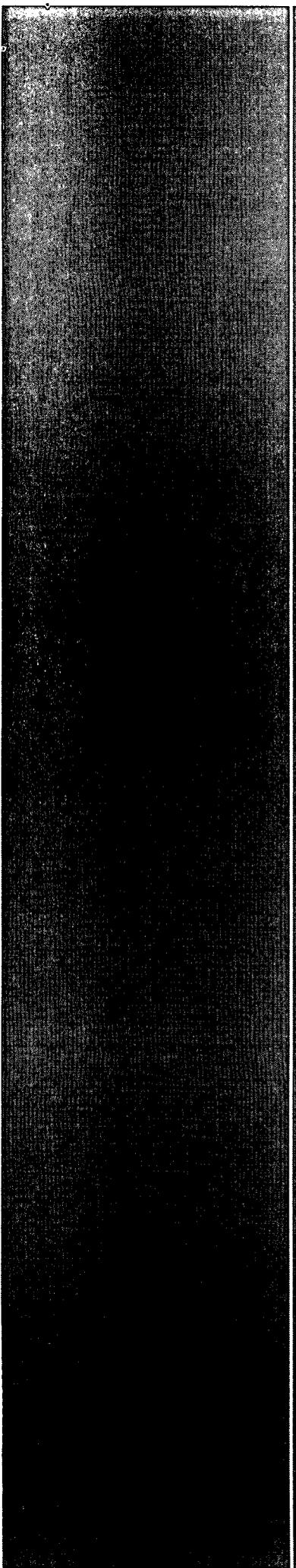
ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0306158

| <i>BLANK</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
|----------------|------|------------|---------------------|--------------------|-------------------|---------------------|------|
| Chloride-mg/kg | | 0005155-01 | | | <20.0 | | |
| <i>MS</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Chloride-mg/kg | | 0306157-01 | 248 | 500 | 762 | 102.8% | |
| <i>MSD</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Chloride-mg/kg | | 0306157-01 | 248 | 500 | 762 | 102.8% | 0.0% |
| <i>SRM</i> | SOIL | LAB-ID # | Sample Concentr. | Spike Concentr. | QC Test Result | Pct (%) Recovery | RPD |
| Chloride-mg/kg | | 0005155-04 | | 5000 | 4870 | 97.4% | |



Current Photodocumentation

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112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

EME F-11 (1R427-22)
Unit Letter F, Section 11, T20S, R36E



Facing North

1/15/2013



Facing East

1/15/2013