

1R - 427-357

APPROVALS

YEAR(S):

2013

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Wednesday, May 29, 2013 2:31 PM
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 (1R427-357) Termination - ROC EME C-10-1 EOL Site

**RE: Termination Request
for the Rice Operating Company's
EME C-10-1 EOL Site
Unit Letter C, Section 10, T21S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R427-357) 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 May 8, 2013 (received May 20, 2013) and additional information of May 29, 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 (1R427-357) 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 9231

RECEIVED

MAY 20 2013

May 8, 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-10-1 EOL (1R427-357): UL/C, Sec. 10, T21S, 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 2010, ROC initiated work on the former C-10-1 EOL junction box. The site is located in UL/C, Sec. 10, T21S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 200 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 10x10x12 ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in chloride concentrations that decreased with depth and low PID readings. The excavated soil was blended on site and representative composite samples of the excavation walls, bottom and blended backfill were sent to a commercial for analysis of chloride and TPH, resulting in a 4-wall chloride concentration of 448 mg/kg and concentrations of gasoline range organics (GRO) concentration and diesel range organics (DRO) below detectable limits. The bottom composite resulted in a chloride concentration of 272 mg/kg and concentrations of GRO and DRO below detectable limits. The blended backfill resulted in a chloride concentration of 32 mg/kg and concentrations of GRO and DRO below detectable limits. The excavation was backfilled with the excavated soil to 2 ft below ground surface. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 10/15/2010, the site was seed with a blend of native vegetation.

On 4/3/2013, soil amendments were added to the site and the site was reseeded with a blend of native vegetation. Vegetation will act as an evapo-transpiration barrier that will also inhibit the downward migration of chlorides and hydrocarbons. Plants capture water through their roots and so reduce the amount of water infiltrating below the root zone. The site revegetation form and photos of these activities are attached.

The junction box site location map, area map, final report, photodocumentation, laboratory analysis, PID sheet, chloride graph, revegetation form and seeding 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

RECEIVED OOD
2013 MAY 17 P 2:25

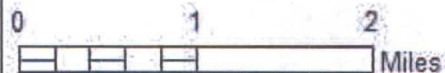
Site Maps

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



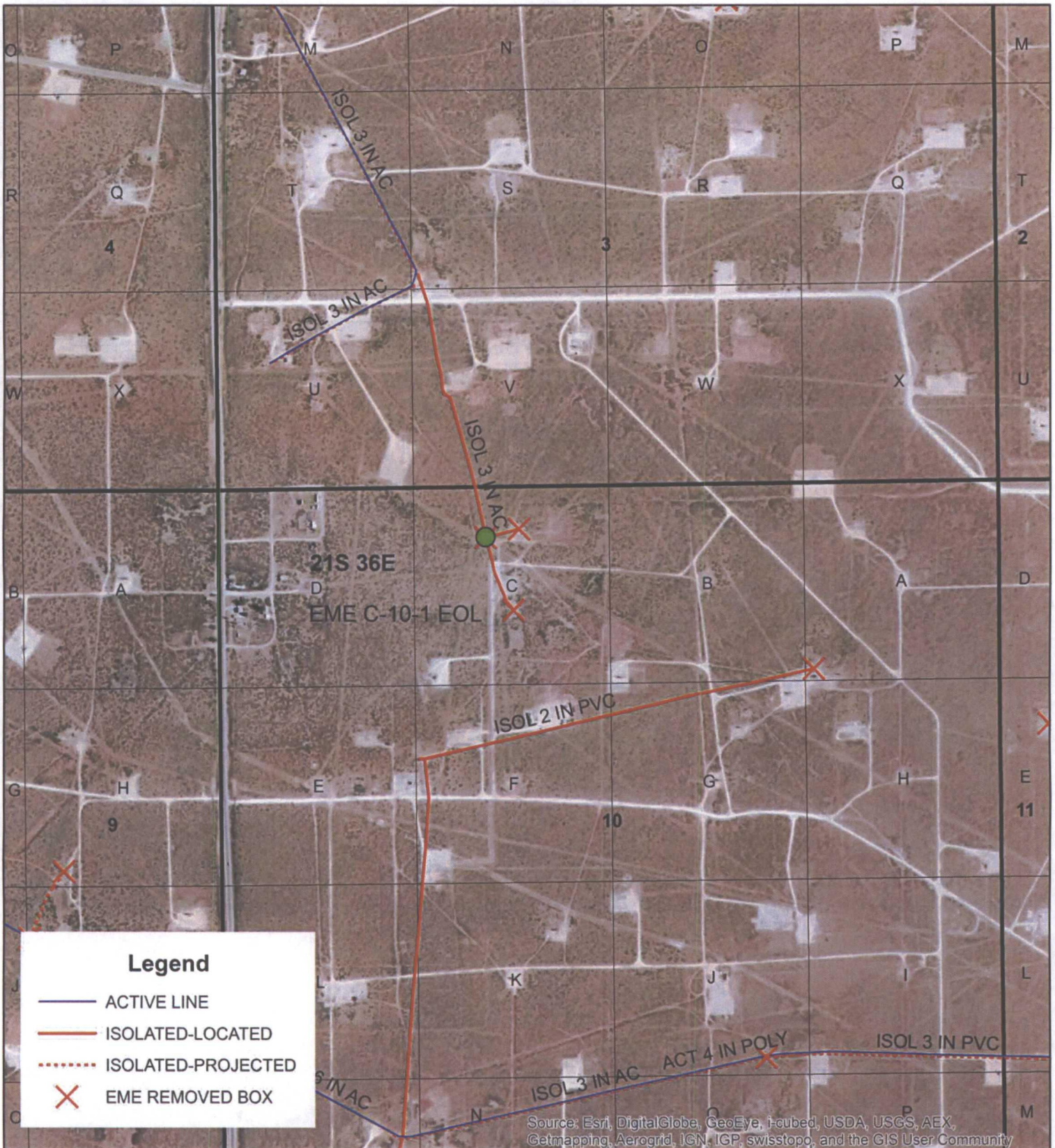
EME C-10-1 EOL

UL C SECTION 10
T-21-S R-36-E
LEA COUNTY, NM



Drawing date: 1/21/13
Drafted by: Tony Grieco

Area Map



Legend

- ACTIVE LINE
- ISOLATED-LOCATED
- ⋯ ISOLATED-PROJECTED
- X EME REMOVED BOX



EME
EOL C-10-1
 UL/C SECTION 10
 T-21-S R-36-E
 LEA COUNTY, NM

NMOCD CASE #: 1R427-357



0 490 980
 Feet

Drawing date: 4/25/13
 Drafted by: T. 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 |
| Eunice Monument Eumont | C-10-1 EOL | C | 10 | 21S | 36E | Lea | Eliminated | | |

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ Millard Deck _____ OTHER _____

Depth to Groundwater _____ 200 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 0 _____

Date Started _____ 9/14/2010 _____ Date Completed _____ 10/15/2010 _____ OCD Witness _____ no _____

Soil Excavated _____ 44.4 _____ cubic yards. Excavation Length _____ 10 _____ Width _____ 10 _____ Depth _____ 12 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 9/29/2010 _____ Sample Depth _____ 12 ft. _____

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and
Chloride laboratory test results completed by using an approved lab and testing procedures
pursuant to NMOCD guidelines.

| Sample Location | PID (field) ppm | GRO mg/kg | DRO mg/kg | Chloride mg/kg |
|-----------------|-----------------|-----------|-----------|----------------|
| 4-WALL COMP. | 2.4 | <10.0 | <10.0 | 448 |
| BOTTOM COMP. | 0.6 | <10.0 | <10.0 | 272 |
| BACKFILL COMP. | 1.8 | <10.0 | <10.0 | 32 |

CHLORIDE FIELD TESTS

| LOCATION | DEPTH | mg/kg |
|---|-------|-------|
| 4-wall comp. | n/a | 403 |
| bottom comp. | 12' | 207 |
| backfill comp. | n/a | 200 |
| vertical delineation trench 5 ft. north of junction (source) | 2' | 117 |
| | 4' | 511 |
| | 6' | 533 |
| | 8' | 502 |
| | 10' | 490 |
| | 12' | 294 |

General Description of Remedial Action: This junction and line were eliminated

during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10X10X12-ft-deep excavation. Chloride field test performed on each sample yielded concentrations that related with depth.

Organic vapors were measured using a PID. The excavated soil was blended on site and representative composite samples were collected from the blended backfill, the bottom of the excavation, and the excavation walls. The representative samples were sent to a commercial laboratory for analysis of chloride and TPH. The blended backfill was returned to the excavation to 2 ft. below ground surface. The remaining excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 10/15/2010, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

enclosures: photos, lab results, PID (field) screenings, chloride curve

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

SITE SUPERVISOR _____ Dak Harris _____ SIGNATURE Dak Harris _____ COMPANY _____ RICE OPERATING COMPANY _____

REPORT

ASSEMBLED BY _____ Zach Conder _____ INITIAL SC

PROJECT LEADER _____ Larry Bruce Baker Jr. _____ SIGNATURE Larry Bruce Baker Jr. _____ DATE 3-29-11

EME C-10-1 EOL

Unit C, Section 10, T21S, R36E



Site prior to excavation

9/14/2010



Collecting Sample

9/29/2010



Backfilling site

10/27/2010



Seeding site

10/27/2010



PHONE (575) 393-2326 * 101 E. MARLAND * HOBBS, NM 88240

Analytical Results For:

Rice Operating Company
Bruce Baker
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 09/29/2010
Reported: 10/05/2010
Project Name: EME C-10-1 EOL (21/36)
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/29/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 5 PT. BOTTOM @ 12' (H020951-01)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: HM | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 09/30/2010 | ND | 400 | 100 | 400 | 7.69 | | |
| TPH 8015M | | | mg/kg | | Analyzed By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 10/01/2010 | ND | 186 | 93.1 | 200 | 6.49 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 10/01/2010 | ND | 199 | 99.6 | 200 | 15.1 | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 87.3 % | 70-130 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.7 % | 70-130 | | | | | | | | |

Sample ID: 4-WALL COMPOSITE @ 10 X 10 (H020951-02)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: HM | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 448 | 16.0 | 09/30/2010 | ND | 400 | 100 | 400 | 7.69 | | |
| TPH 8015M | | | mg/kg | | Analyzed By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 10/01/2010 | ND | 186 | 93.1 | 200 | 6.49 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 10/01/2010 | ND | 199 | 99.6 | 200 | 15.1 | | |
| | | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 92.5 % | 70-130 | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.3 % | 70-130 | | | | | | | | |

COPY

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Rice Operating Company
Bruce Baker
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 09/29/2010
Reported: 10/05/2010
Project Name: EME C-10-1 EOL (21/36)
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/29/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BLENDED BACKFILL (H020951-03)

| Chloride, SM4500Cl-B | | mg/kg | Analyzed By: HM | | | | | | |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/30/2010 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | | mg/kg | Analyzed By: AB | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 10/01/2010 | ND | 186 | 93.1 | 200 | 6.49 | |
| DRO >C10-C28 | <10.0 | 10.0 | 10/01/2010 | ND | 199 | 99.6 | 200 | 15.1 | |
| Surrogate: 1-Chlorooctane | 89.6 % | 70-130 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.1 % | 70-130 | | | | | | | |

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
 PHONE: (505) 393-9174 FAX: (505) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

CK.
 MODEL
 NO.

| |
|---|
| ✓ |
| |
| |
| |

MODEL: PGM 7300 SERIAL NO: 590-000508
 MODEL: PGM 7300 SERIAL NO: 590-000504
 MODEL: PGM 7320 SERIAL NO: 592-903318
 MODEL: PGM 7300 SERIAL NO: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

| | |
|------------------------------|--------------------------|
| LOT NO: 925621 | EXPIRATION DATE: 9-27-13 |
| METER READING ACCURACY: 99.9 | |

ACCURACY: +/- 2%

| SYSTEM | JUNCTION | UNIT | SECTION | TOWN SHIP | RANGE |
|--------|------------|------|---------|-----------|-------|
| EME | C-10-1 EOL | C | 10 | 21 | 36 |

| SAMPLE ID | PID | SAMPLE ID | PID |
|-------------------------|-----|-----------|-----|
| Bottom 5 ft. Comp @ 12' | 0.6 | | |
| Blended back fill | 1.8 | | |
| 4-Wall Composite | 0.4 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

COPY

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

Dan Davis

DATE:

9-29-10

CHLORIDE CONCENTRATION CURVE

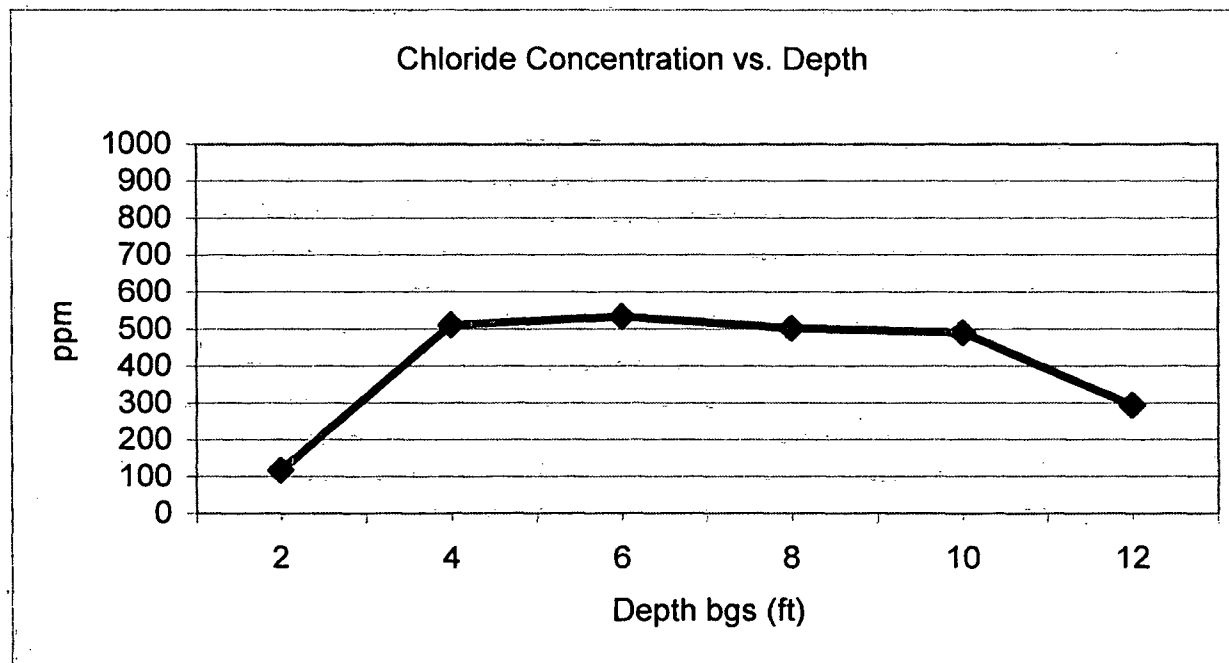
RICE Operating Company

EME C-10-1 EOL

Unit 'C', Sec. 10, T21S, R36E

Backhoe samples 5 ft. north of the junction (source)

| Depth bgs (ft) | [Cl] ppm |
|----------------|----------|
| 2 | 117 |
| 4 | 511 |
| 6 | 533 |
| 8 | 502 |
| 10 | 490 |
| 12 | 294 |



Groundwater = 200 ft.

Revegetation Form and Photodocumentation

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



PO Box 5630
Hobbs, NM 88241
Phone: (575) 393-4411
Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

| | | | | | | |
|---|---------------|--------------------|--|---------------|--------------------------|----------------------------|
| Site name: EME C-10-1 EOL | | | | | | |
| U/L C | Section 10 | Township T-21-S | Range R-36-E | County Lea | Latitude N32*56168450 | Longitude W103*31168300 |
| Contact Name: Hack Conder | | | | | | |
| Email: hconder@rice-ecs.com | | | | | | |
| Site size: 2,700 square feet | | | Map detail of site attached <input type="checkbox"/> | | | |
| Additional information: | | | | | | |

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

| | | | | | |
|---|--|--|---|----------------|-------------------------------------|
| Salvaged from site <input type="checkbox"/> | Bioremediated <input type="checkbox"/> | Imported <input checked="" type="checkbox"/> | Blended <input checked="" type="checkbox"/> | Depth (in): | |
| Texture: | | Describe soil & subsoil: | | | |
| Soil prep methods: | Rip <input type="checkbox"/> | Depth(in): | Disc <input checked="" type="checkbox"/> | Depth (in): 3" | Rollerpack <input type="checkbox"/> |
| Date completed: 10/15/2010 | | | | | |

3. Bioremediation

| | | |
|-------------------------------------|------------------------------|---|
| Fertilizer <input type="checkbox"/> | Hay <input type="checkbox"/> | Other <input checked="" type="checkbox"/> 6 Bags Restore Nhance |
| Type: | | Describe: 4 Bags Pete Moss 2 Bags Potting Soil 1 Bag Manure |
| Lbs/acre: | | |

4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

| | | | |
|--|---|--|------------------------|
| Custom seed mix <input type="checkbox"/> | Prescribed mix <input type="checkbox"/> | Seed mix name: 3 lbs. Lea Co. Mix/3 lbs. Side Oats/3 lbs. Blue Grama | Seeding date: 4/3/2013 |
| Broadcast <input checked="" type="checkbox"/> | | | |
| Method: Mechanical Drop Seeder | | | |
| Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/> | | | |
| Photos attached <input type="checkbox"/> | Observations: | | |
| Number of photos: | The Seed Was Disked into the Soil | | |

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

| | | |
|-------------------|---------------------------|----------------|
| Name: Kyle Norman | Title: Environmental Tech | Date: 4/3/2013 |
| Signature: | | |

EME C-10-1 EOL (1R427-357)

UL/C, Section 10, T21S-R36E



Spreading amendments, facing north

4/3/2013



Tilling site, facing west

4/3/2013



Seeding site, facing east

4/3/2013



Site complete, facing east

4/3/2013

Hansen, Edward J., EMNRD

From: Katie Jones <kjones@riceswd.com>
Sent: Wednesday, May 29, 2013 1:29 PM
To: Hansen, Edward J., EMNRD
Cc: Hack Conder; Laura Pena
Subject: ROC - EME C-10-1 EOL (1R427-357) Field Data
Attachments: ROC - EME C-10-1 EOL (1R427-357) Field Data.pdf

Mr. Hansen,

Attached is the field data for the EME C-10-1 EOL (1R427-357) site. Please call Hack at (575)631-6432 if you have any questions or require any additional information.

Thank you.

Katie Jones
Environmental Project Manager
RICE Operating Company

JCT BOX DELINEATION SUMMARY REPORT

ite: EME C-10-1 EOL Legal:UL/C SEC. 10 (T21S-R36E) Landowner:MILLARD DECK GW: 200'

| Source | | | 5' North | | | 5' South | | | 5' East | | | 5' West | | |
|--------|-----|-----|----------|-----|-----|----------|-----|-------|---------|-----|-----|---------|-----|-----|
| CL | PID | | CL | PID | | CL | PID | | CL | PID | | CL | PID | |
| 1 | | | | | | | | | | | | | | |
| 2 | | | 2 | 117 | 2.2 | 2 | 117 | 125.9 | 2 | 170 | 7.7 | 2 | 91 | 2.6 |
| 3 | 141 | 0.2 | 4 | 511 | 1.9 | 4 | 261 | 3.1 | 4 | 171 | 6.3 | 4 | 58 | 1.1 |
| 4 | 437 | 4.7 | 6 | 533 | 1 | 6 | 529 | 24.8 | 6 | 542 | 3.7 | 6 | 316 | 10 |
| 5 | 419 | 4.9 | 8 | 502 | 0.4 | 8 | 285 | 11.1 | 8 | 234 | 0.2 | 8 | 422 | 6.2 |
| 5 | 459 | 6.6 | 10 | 490 | 0.4 | 10 | 453 | 9.3 | 10 | 426 | 0.8 | 10 | 665 | 2.2 |
| 7 | 419 | 1.2 | 12 | 294 | 0.4 | 12 | 171 | 8.2 | 12 | 232 | 0 | 12 | 335 | 2.2 |
| 8 | 417 | 0.2 | | | | | | | | | | | | |
| 9 | 421 | 0.1 | | | | | | | | | | | | |
| 0 | 310 | 0 | | | | | | | | | | | | |
| 1 | 321 | 0 | | | | | | | | | | | | |
| 2 | 341 | 0 | | | | | | | | | | | | |

| 10' North | | | 10' South | | | 10' East | | | 10' West | | |
|-----------|-----|--|-----------|-----|--|----------|-----|--|----------|-----|--|
| CL | PID | | CL | PID | | CL | PID | | CL | PID | |
| | | | | | | | | | | | |
| 2 | | | 2 | | | 2 | | | 2 | | |
| 4 | | | 4 | | | 4 | | | 4 | | |
| 6 | | | 6 | | | 6 | | | 6 | | |
| 8 | | | 8 | | | 8 | | | 8 | | |
| 10 | | | 10 | | | 10 | | | 10 | | |
| 12 | | | 12 | | | 12 | | | 12 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| 15' North | | | 15' South | | | 15' East | | | 15' West | | |
|-----------|-----|--|-----------|-----|--|----------|-----|--|----------|-----|--|
| CL | PID | | CL | PID | | CL | PID | | CL | PID | |
| | | | | | | | | | | | |
| 2 | | | 2 | | | 2 | | | 2 | | |
| 4 | | | 4 | | | 4 | | | 4 | | |
| 6 | | | 6 | | | 6 | | | 6 | | |
| 8 | | | 8 | | | 8 | | | 8 | | |
| 10 | | | 10 | | | 10 | | | 10 | | |
| 12 | | | 12 | | | 12 | | | 12 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| North Wall | | |
|------------|--|--|
| CL- | | |
| PID | | |

| South Wall | | |
|------------|--|--|
| CL- | | |
| PID | | |

| East Wall | | |
|-----------|--|--|
| CL- | | |
| PID | | |

| West Wall | | |
|-----------|--|--|
| CL- | | |
| PID | | |

| 4 Wall Comp | | |
|-------------|--|-----|
| CL- | | 403 |
| PID | | 2.4 |

| | Pt.1 | Pt.2 | Pt.3 | Pt.4 | Pt.5 | 5 Pt Comp. |
|-----|------|------|------|------|------|------------|
| CL- | | | | | | 207 |
| PID | | | | | | 0.6 |

| Background at 6" | | | |
|------------------|--|--|-----|
| CL- | | | PID |
| | | | |

Excavation Deminsions:

Soil hauled off and where:

Soil imported and from where:

| field results | cl- | pid | lab results | gro | dro | cl- |
|---------------------|-----|-----|-------------------|-----|-----|-----|
| BOTTOM SPT. COMP. @ | 207 | 0.6 | BOTTOM SPT. COMP. | <10 | <10 | 272 |
| 4 WALL COMP. | 403 | 2.4 | 4 WALL COMP. | <10 | <10 | 448 |
| BLENDED BACKFILL | 200 | 1.8 | BLENDED BACKFILL | <10 | <10 | 32 |
| SOURCE @ | 341 | 0 | SOURCE @ | | | |

Summary: DUG SITE TO A 10X10X12 TOOK SAMPLES AT REGULAR INTERVALS AND RECORDING DATA. 9-29-10 TOOK FINAL SANPLES AND TOOK TO LAB.

Signature:

Dab Harris

Date: 10-15-10