

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

JUN 26 2009

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | | | |
|-----------------|---|---------------|----------------------|
| Name of Company | Fairway Resources Operating, LLC | Contact | Matt Eagleston |
| Address | 538 Silicon Drive, Ste. 101, Southlake, Texas 76092 | Telephone No. | (817) 416-1946 |
| Facility Name | South Red Lake II Unit Central Battery | Facility Type | Produced Water Tanks |

| | | | | | |
|---------------|---------------------|---------------|---------------------|-----------|-------------|
| Surface Owner | State of New Mexico | Mineral Owner | State of New Mexico | Lease No. | NMNM109695X |
|---------------|---------------------|---------------|---------------------|-----------|-------------|

3001500658

LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| "I" | 35 | 17S | 27E | 2,125' | South | 150 | East | Eddy |

Latitude 32.78898° North

Longitude -104.24337° West


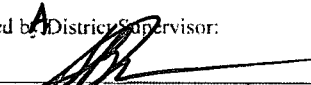
NATURE OF RELEASE

| | | | | | |
|---|--|---|-----------------------------------|----------------------------|----------------------------------|
| Type of Release | Produced Water | Volume of Release | 200 bbls water, 10 bbls crude oil | Volume Recovered | 5 bbls crude oil; 150 bbls water |
| Source of Release | Storage Tank | Date and Hour of Occurrence | 11/02/07 @ 5 am | Date and Hour of Discovery | 11/02/07 @ 8 am |
| Was Immediate Notice Given? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | | | |
| By Whom? | Date and Hour | | | | |
| Was a Watercourse Reached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | | | |
| If a Watercourse was Impacted, Describe Fully.* | | | | | |

Describe Cause of Problem and Remedial Action Taken: An electrical malfunction caused an injection pump to stop operating and a high level tank alarm malfunctioned causing the storage tanks to overflow. Following initial response activities, including the recovery of free liquids, the electrical malfunctions were repaired and the facility was restarted.

Describe Area Affected and Cleanup Action Taken: A soil investigation was completed and analytical results indicated soil impact was not present below the gypsum cap. Excavation of the impacted soil was initiated and soil samples were collected and submitted to the laboratory for analysis. Approximately 2,239 cubic yards of impacted soil was transported to Lea Land Landfill (Permit #NM-01-0035) for disposal. With NMOCD Artesia Office approval a risk-based site closure was employed, utilizing a polyethylene liner. Following the installation of the liner the excavation was backfilled with locally purchased native soil. A Remediation Summary and Site Closure Request dated January 2009 was submitted to the NMOCD Artesia Office and contains additional details and documentation not contained in this document.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | | |
|--|---|-----------------------|----------|
| Signature:  | OIL CONSERVATION DIVISION | | |
| Printed Name: Matt Eagleston | Approved by District Supervisor:  | | |
| Title: President and CEO | Approval Date: 6-29-09 | Expiration Date: 1/10 | |
| E-mail Address: meagleston@fairwayresources.com | Conditions of Approval: 1/A | | 2RP-0125 |
| Date: 2/25/09 | Phone: (817) 416-1946 | | |

Basin Environmental Service Technologies, LLC

2800 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
cdstanley@basin-consulting.com
Office: (575) 396-2378 Fax: (575) 396-1429



REMEDIATION SUMMARY

JUN 26 2009

AND

SITE CLOSURE REQUEST

Fairway Resources Operating, LLC

South Red Lake II Unit Central Battery

Eddy County, New Mexico

UNIT "I" (NE/SE), Section 35, Township 17S, Range 27E

Latitude 32.78898° North, Longitude 104.24337° West

2RP-125

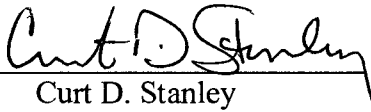
Prepared For:

Fairway Resources Operating, LLC
538 Silicon Drive, Suite 101
Southlake, Texas 76092

Prepared By:

Basin Environmental Service Technologies, LLC

February 2009


Curt D. Stanley

Project Manager

TABLE OF CONTENTS

| | |
|---|---|
| INTRODUCTION AND BACKGROUND INFORMATION | 1 |
| NMOCD SITE CLASSIFICATION | 1 |
| SUMMARY OF RECENT FIELD ACTIVITIES | 2 |
| SITE CLOSURE REQUEST | 5 |
| LIMITATIONS | 6 |
| DISTRIBUTION | 7 |

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site and Sample Location Map

TABLES

Table 1 – Concentrations of Benzene, BTEX, TPH and Chloride in Soil

APPENDICES

Appendix A – NMOCD Correspondence

Appendix B – Soil Boring Logs

Appendix C - Laboratory Reports

Appendix D - Photographs

Appendix E - Release Notification and Corrective Action (Form C-141)

JUN 26 2009

INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Fairway Resources Operating, LLC (Fairway), has prepared this Remediation Summary and Site Closure Request for the release site known as South Red Lake II Unit Central Battery. The legal description of the release site is NE ¼ SE ¼ (Unit Letter I), Section 35, Township 17 South, Range 27 East in Eddy County, New Mexico. The property is owned by the New Mexico State Land Office (SLO). The release site GPS coordinates are 32.78898° North and 104.24337° West. A Site Location and Site Map are provided as Figures 1 and 2, respectively. The Release Notification and Corrective Action (Form C-141) is provided as Appendix E.

The Eddy County Soil Survey (2004) indicates the release site soil type is Reeves-Gypsum land complex with 0 – 3% slopes and Largo – Stoney land complex with 0 – 25% slopes. Visual observation indicates the area surrounding the release site is in active oil and gas production.

On November 2, 2007, an electrical malfunction at the South Red Lake II Unit Central Battery caused an injection pump to stop operating; the electrical malfunction resulted in the facility storage tanks filling to capacity. A malfunction in the storage tank high level alarm caused the storage tanks to overflow. The Release Notification and Corrective Action (Form C-141) indicates 200 barrels (BBL) of produced water and 10 BBL of crude oil were released as a result of the malfunctions. The Form C-141 indicates 150 BBL of produced water and 5 BBL of crude oil were recovered during initial response activities. The release net loss was 50 BBL of produced water and 5 BBL of crude oil.

On February 6, 2008, Fairway submitted a Proposed Response Plan to the New Mexico Oil Conservation Division (NMOCD) – Artesia District Office. The Plan detailed remediation activities designed to progress the site toward on NMOCD approved site closure. On February 7, 2008, the NMOCD approved the Proposed Response Plan submitted by Fairway. NMOCD correspondence is provided as Appendix A.

NMOCD SITE CLASSIFICATION

As described in Section 3A of the *Guidelines for Remediation of Leaks, Spills and Releases* (NMOCD, 1993), the following characteristics are used to determine the site soil ranking criteria, which influences the site-specific clean-up standards applicable for this site. The depth to groundwater is between 50 - 100 feet from the base of the impacted zone, resulting in ten (10) points being assigned to the site as a result of this criterion.

The water well database, maintained by the New Mexico Office of the State Engineer (NMOSE), was accessed to determine the location and type of nearby registered water wells in the area. The database indicated there are no water wells less than 1,000 feet from the release, resulting in zero (0) points being assigned to this site as a result of this criterion.

There is no surface water body located within 1,000 feet of the site. Based on the NMOCD ranking system zero (0) points will be assigned to the site as a result of the criterion. The Guidelines indicate the South Red Lake II Unit Central Battery release site has a ranking score of

ten (10). Based on this score, the soil remediation levels for a site with a ranking score of ten (10) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 1,000 mg/Kg (ppm)

The NMOCD chloride clean-up concentration levels are site specific.

SUMMARY OF RECENT FIELD ACTIVITIES

In March 2008, initial excavation activities commenced at the South Red Lake II Unit Central Battery. Impacted soil was excavated by Gandy Corporation (Gandy) of Lovington, New Mexico, to a depth of approximately eight (8) to ten (10) feet below ground surface (bgs). The impacted soil was stockpiled on site pending transportation to an NMOCD approved landfill. Approximately 1,809 cubic yards (cy) of soil was transported to an NMOCD approved facility for disposal.

In April 2008, Fairway approached Basin and requested assistance in horizontally and vertically delineating the release site. Following an initial site assessment, Basin recommended advancing soil borings to thoroughly investigate the horizontal and vertical extent of impact at the site.

On May 1, 2008, an air rotary drill rig was mobilized to advance seven (7) soil borings (SB-1 through SB-7) at the release site. The soil borings were advanced to a maximum depth of twenty-five (25) feet bgs and soil samples were collected at five (5) foot drilling intervals.

Soil boring SB-1 was advanced east of the initial South Red Lake II Unit Central Battery excavation. The soil boring was advanced to a depth of twenty-five (25) feet bgs. The analytical results indicated the benzene concentration was less than the laboratory MDL of 0.001 mg/Kg in the soil sample collected at ten (10) feet bgs. The analytical results indicated the BTEX concentration was less than the laboratory MDL of 0.002 mg/Kg in the soil sample collected at ten (10) feet bgs. Soil samples from the five (5) and ten (10) foot drilling intervals were selected for TPH analysis. The analytical results indicated TPH concentrations in both the five (5) and ten (10) soil samples was less the laboratory MDL of 17.2 mg/Kg and 18.1 mg/Kg, respectively. Soil samples from the five (5), ten (10), fifteen (15) and twenty-five (25) foot intervals were selected for chloride analysis. The analytical results indicated chloride concentrations ranged from less than the laboratory MDL of 5 mg/Kg at five (5) and ten (10) feet bgs to 226 mg/Kg at fifteen (15) feet bgs. These results indicate benzene, BTEX, TPH and chloride concentrations were below NMOCD regulatory clean-up levels in this soil boring. Soil boring logs are included as Appendix B. A summary of Concentrations of Benzene, BTEX, TPH and Chlorides in Soil is provided as Table 1 and laboratory reports are provided as Appendix C.

Soil boring SB-2 was advanced west of the initial South Red Lake II Unit Central Battery excavation. The soil boring was advanced to a depth of twenty-five (25) feet bgs. The analytical results indicated the benzene concentration was less than the laboratory MDL of 0.001 mg/Kg in soil samples collected at five (5) and ten (10) feet bgs. The analytical results indicated the BTEX

concentration ranged from less than the laboratory MDL of 0.002 mg/Kg at ten (10) feet bgs to 0.0362 mg/Kg at five (5) feet bgs. Soil samples from the five (5), ten (10), and fifteen (15) foot drilling intervals were selected for TPH analysis. The analytical results indicated TPH concentrations ranged from less the laboratory MDL of 16.9 mg/Kg at fifteen (15) feet bgs to 1,191 mg/Kg at five (5) feet bgs. Soil samples from the five (5), ten (10), fifteen (15) and twenty-five (25) foot intervals were selected for chloride analysis. The analytical results indicated chloride concentrations ranged from 42.54 mg/Kg at twenty-five (25) feet bgs to 2,552 mg/Kg at five (5) feet bgs. The analytical results indicate benzene and BTEX concentrations were below NMOCD regulatory clean-up levels for this soil boring. The analytical results further indicate TPH concentrations exceeding the NMOCD regulatory clean-up levels were exhibited in the five (5) foot bgs soil sample. Chloride concentrations exceeding the NMOCD regulatory clean-up levels were exhibited in the five (5) and ten (10) foot bgs soil samples.

Soil boring SB-3 was advanced northwest of the initial South Red Lake II Unit Central Battery excavation. The soil boring was advanced to a depth of fifteen (15) feet bgs. The soil sample from the ten (10) foot drilling interval was selected for TPH analysis. The analytical results indicated the TPH concentration was less than the laboratory MDL of 17 mg/Kg. Soil samples from the ten (10) and fifteen (15) foot intervals were selected for chloride analysis. The analytical results indicated chloride concentrations ranged from 106.4 mg/Kg at fifteen (15) feet bgs to 808.3 mg/Kg at ten (10) feet bgs. Chloride concentrations exceeding the NMOCD regulatory clean-up levels were exhibited in the ten (10) foot bgs soil sample.

Soil boring SB-4 was advanced southwest of the initial South Red Lake II Unit Central Battery excavation. The soil boring was advanced to a depth of fifteen (15) feet bgs. The analytical results indicated a benzene concentration of less than the laboratory MDL of 0.001 mg/Kg at ten (10) feet bgs. The analytical results indicated a BTEX concentration of less than the laboratory MDL of 0.002 mg/Kg at ten (10) feet bgs. Soil samples from the ten (10) and fifteen (15) foot intervals were selected for TPH analysis. The analytical results indicated TPH concentrations ranged from 106.8 mg/Kg at ten (10) feet bgs to 155.1 mg/Kg at five (5) feet bgs. Soil samples from the ten (10) and fifteen (15) foot intervals were selected for chloride analysis. The analytical results indicated chloride concentrations ranged from 186.1 mg/Kg at fifteen (15) feet bgs to 2,765 mg/Kg at ten (10) feet bgs. The analytical results indicate benzene, BTEX and TPH concentrations were below NMOCD regulatory clean-up levels for this soil boring. Chloride concentrations exceeding the NMOCD regulatory clean-up levels were exhibited in the ten (10) foot bgs soil sample.

Soil boring SB-5 was advanced northeast of the initial South Red Lake II Unit Central Battery excavation. The soil boring was advanced to a depth of ten (10) feet bgs. The analytical results indicated the TPH concentration at ten (10) feet bgs was less the laboratory MDL of 17.6 mg/Kg. Soil samples from the five (5) and ten (10) foot intervals were selected for chloride analysis. The analytical results indicated chloride concentrations ranged from 3,084 mg/Kg at five (5) feet bgs to 3,829 mg/Kg at ten (10) feet bgs. The analytical results indicate the TPH concentration was below NMOCD regulatory clean-up levels for this soil boring. Chloride concentrations exceeding the NMOCD regulatory clean-up levels were exhibited in the five (5) and ten (10) foot bgs soil samples.

Soil boring SB-6 was advanced in the release flowpath, approximately two hundred (200) feet northeast of the initial South Red Lake II Unit Central Battery excavation. The soil boring was advanced to a depth of five (5) feet bgs. The soil boring was continuously sampled in a composite sample from two (2) to five (5) feet bgs. The analytical results indicated the TPH concentration was 69.1 mg/Kg. The analytical results indicated the chloride concentration was 265.9 mg/Kg. The analytical results indicate the TPH and chloride concentrations were below NMOCD regulatory clean-up levels for this soil boring.

Soil boring SB-7 was advanced upslope and approximately five hundred (500) feet southwest of the initial South Red Lake II Unit Central Battery excavation. The soil boring was advanced to evaluate off-site background concentrations of chlorides. The soil boring was advanced to a depth of fifteen (15) feet bgs. The analytical results indicated the chloride concentrations ranged from 340.3 mg/Kg at five (5) feet bgs to 1,255 mg/Kg to ten (10) feet bgs. The analytical results indicate the background chloride concentrations were above NMOCD regulatory clean-up levels for this soil boring.

In May 2008, following the evaluation of the soil boring and analytical data, a *Soil Investigation Summary and Amended Soil Closure Proposal* (Proposal) was submitted and subsequently approved by the NMOCD – Artesia District Office. The Proposal detailed activities proposed to progress the release site toward an NMOCD approved site closure.

On June 19, 2008, five (5) sidewall soil samples (NSW-1, ESW-1, WSW-1, WSW-2 and SSW-1) and two (2) excavation floor soil samples (Floor-1 and Floor-2) were collected and submitted to the laboratory for analysis. The soil samples were analyzed for concentrations of benzene, BTEX, TPH and chlorides.

The analytical results for benzene concentrations indicated all of the sidewall soil samples exhibited benzene concentrations less than the laboratory MDL. The analytical results of the sidewall soil samples for BTEX concentrations ranged from less than the laboratory MDL in soil samples NSW-1, WSW-1, WSW-2 and SSW-1 to 0.5648 mg/Kg in soil sample ESW-1. The analytical results of the sidewall soil samples for TPH concentrations ranged from 107.7 mg/Kg in soil sample WSW-1 to 15,779 mg/Kg in soil sample ESW-1. The analytical results of the sidewall soil samples for chloride concentrations ranged from 2,110 mg/Kg in soil sample ESW-1 to 15,000 mg/Kg in soil sample WSW-2.

The analytical results for benzene and BTEX concentrations indicated the excavation floor soil samples exhibited benzene and BTEX concentrations less than the laboratory MDL. The analytical results of the excavation floor soil samples for TPH concentrations ranged from 52.2 mg/Kg in soil sample Floor-1 to 61.7 mg/Kg in soil sample Floor-2. The analytical results of the excavation floor soil samples for chloride concentrations ranged from 6,150 mg/Kg in soil sample Floor-2 to 14,300 mg/Kg in soil sample Floor-1.

On June 19, 2008, a stockpile soil sample was collected to evaluate the status of the excavated soil. The analytical results indicated benzene and BTEX concentrations were below the laboratory MDL of 0.001 mg/Kg and 0.0021 mg/Kg, respectively. The TPH concentration was 822 mg/Kg and the chloride concentration was 8,380 mg/Kg.

Following the collection and analysis of the excavation sidewall and floor soil samples, additional excavation activities commenced. The analytical results indicated additional excavation was required on all of the excavation sidewalls and the excavation floor.

In August 2008, excavation activities ceased, due to numerous on-site health, safety and environmental hazards. A high voltage power line located to the west of the excavation, high-pressure water injection pipelines located to the north of the excavation, a City of Carlsbad, New Mexico municipal water line located to the east of the excavation and the South Red Lake II Unit Central Battery facility located to the south of excavation, were identified.

On or about August 28, 2008, Basin on behalf on Fairway requested and received verbal approval from the NMOCD – Artesia District Office to proceed with a risk-based closure of the South Red Lake II Unit Central Battery release site. On September 4, 2008, Basin on behalf of Fairway submitted, via email a formal request to the NMOCD for a risk-based site closure and on September 9, 2008, Basin received written NMOCD approval.

Following NMOCD approval, backfilling activities detailed in the formal request letter commenced. As approved, excavated material was screened to remove large gypsum blocks which could not be disposed of at the NMOCD approved landfill. A total of approximately 2,239 cy of screened soil was stockpiled and transported to Lea Land Landfill (Permit #NM-01-0035). As approved, large gypsum blocks were placed in the excavation to approximately seven (7) feet bgs and locally purchased native caliche was placed in the excavation and compacted with the large gypsum blocks to minimize potential settling of the excavation area. No additional moisture was required to efficiently compact the caliche and gypsum blocks. Approximately one (1) foot of non-impacted sand was placed on top of the gypsum and caliche to provide a cushioning layer between the compacted caliche / gypsum material and the impermeable liner.

On September 16, 2008, a twenty (20) mil polyethylene was placed in the excavation at approximately six (6) feet bgs. The sand layer beneath the liner was mounded to encourage the shedding of moisture to the edges of the liner. This engineered control is designed to minimize the vertical migration of contaminants below the liner, by the process of shedding moisture to the edge of the liner and beyond the maximum horizontal extent of underlying impacted soil. Photographs of the liner installation, excavation activities and backfilling activities are provided as Appendix D.

Following the liner installation an additional one (1) foot of non-impacted sand placed on top of the liner to protect the liner from damage during the backfilling activities. Following the placement of the protective sand layer, locally purchased native caliche was used and compacted in eighteen (18) inch lifts to complete the backfilling of the excavation. The release occurred in an active oil and gas facility and will not be seeded.

SITE CLOSURE REQUEST

Basin recommends Fairway provide the NMOCD – Artesia District Office a copy of this Remediation Summary and Site Closure Request and request the NMOCD grant a risk-based site closure to the South Red Lake II Unit Central Battery release.

LIMITATIONS

Basin Environmental Service Technologies, LLC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin Environmental Service Technologies, LLC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Service Technologies, LLC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Service Technologies, LLC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Service Technologies, LLC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Fairway Resources Operating, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC and/or Fairway Resources Operating, LLC.

DISTRIBUTION:

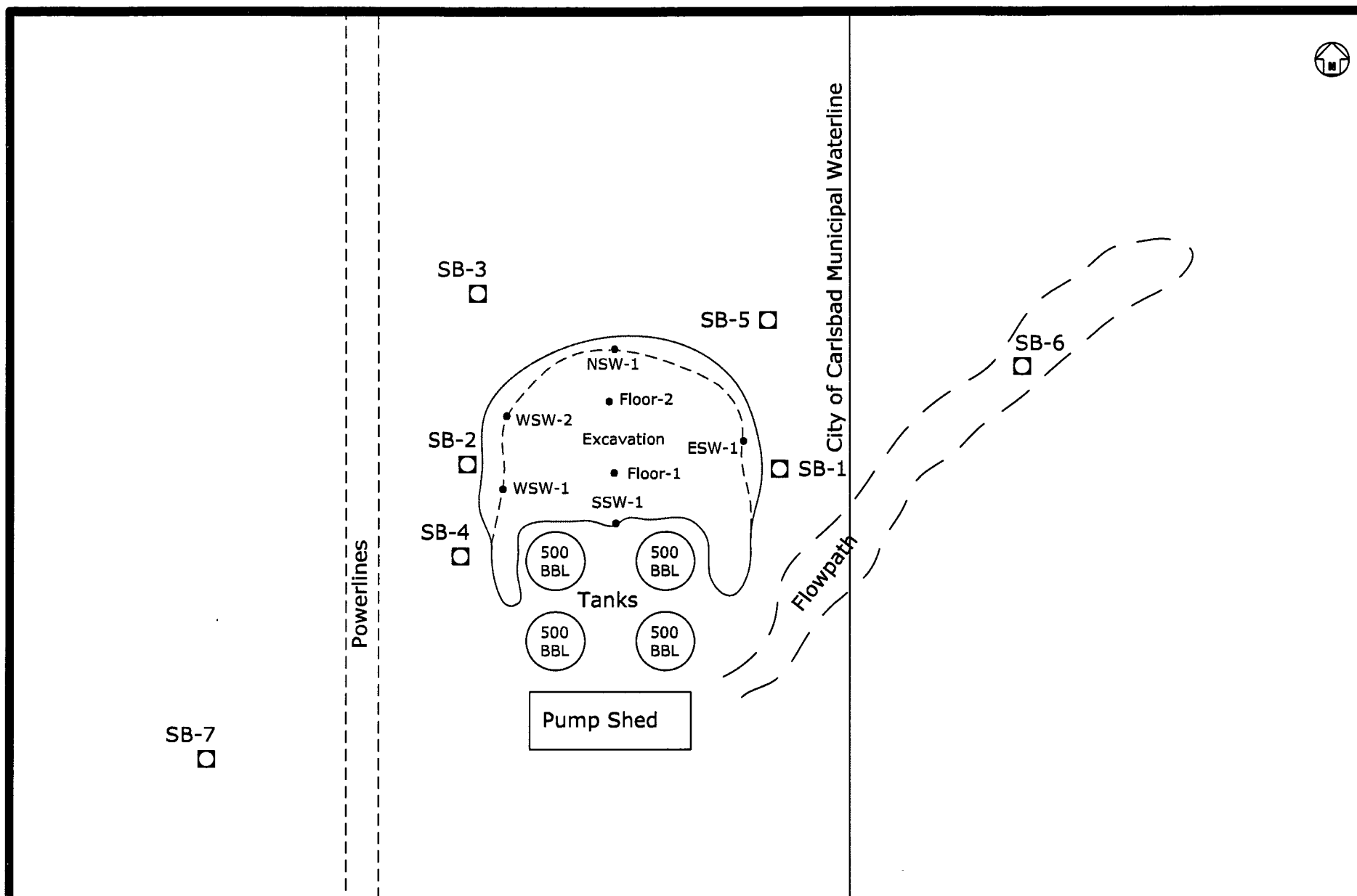
Copy 1: Sherry Bonham
New Mexico Oil Conservation Division
District 2
1301 W. Grand Avenue
Artesia, New Mexico 88210

Copy 2: Matt Eagleston
Fairway Resources Operating, LLC.
538 Silicon Drive,
Suite 101
Southlake, Texas 76092

Copy 3: Curt D. Stanley
Basin Environmental Consulting, LLC.
P.O. Box 301
Lovington, New Mexico 88220
cdstanley@basin-consulting.com



Figures



Legend

- Pipeline
- - - Excavation Extent
- ... Powerline
- SB-7
Soil Boring Location

- Sample Location

Figure 2
Schematic Site
and Sample Location Map
Fairway Resources
South Red Lake II Unit
Central Battery
Eddy County, New Mexico

Basin Environmental Services

Prep By: CDS

Checked By: CDS

January 29, 2009

Not to Scale



Tables

Table 1

**CONCENTRATIONS of BENZENE, BTEX, TPH and CHLORIDE IN SOIL
FAIRWAY RESOURCES - SOUTH RED LAKE II UNIT CENTRAL BATTERY
EDDY COUNTY, NEW MEXICO**


All measurements recorded in mg/kg

| SAMPLE DATE | SAMPLE LOCATION | SAMPLE DEPTH | SOIL STATUS | Methods: EPA SW 846-8021B, 5030 | | | | | | | EPA SW 846-8015M | | | | EPA 4500 |
|---------------------------|-----------------|--------------|-------------|---------------------------------|-----------------|-----------------------|--------------------|------------------|----------------------|--------------|---|--|--|--|------------------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | m,p-XYLENE (mg/Kg) | o-XYLENE (mg/Kg) | TOTAL XYLENE (mg/Kg) | BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | BTEX C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) |
| 05/01/08 | SB1 - 5' | 5' | In-Situ | - | - | - | - | - | - | - | <17.2 | <17.2 | <17.2 | <17.2 | <5 |
| 05/01/08 | SB1 - 10' | 10' | In-Situ | <0.001 | <0.002 | <0.001 | <0.002 | <0.001 | <0.002 | <0.002 | <18.1 | <18.1 | <18.1 | <18.1 | <5 |
| 05/01/08 | SB1 - 15' | 15' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 226 |
| 05/01/08 | SB1 - 25' | 25' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 138.3 |
| 05/01/08 | SB2 - 5' | 5' | In-Situ | <0.001 | <0.002 | 0.0071 | 0.0131 | 0.016 | 0.0291 | 0.0362 | 69 | 886 | 236 | 1,191 | 2,552 |
| 05/01/08 | SB2 - 10' | 10' | In-Situ | <0.001 | <0.002 | <0.001 | <0.002 | <0.001 | <0.002 | <0.002 | <18 | 78.8 | 40.9 | 119.7 | 1,149 |
| 05/01/08 | SB2 - 15' | 15' | In-Situ | - | - | - | - | - | - | - | <16.9 | <16.9 | <16.9 | <16.9 | 106.4 |
| 05/01/08 | SB2 - 25' | 25' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 42.54 |
| 05/01/08 | SB3 - 10' | 10' | In-Situ | - | - | - | - | - | - | - | <17 | <17 | <17 | <17 | 808.3 |
| 05/01/08 | SB3 - 15' | 15' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 106.4 |
| 05/01/08 | SB4 - 5' | 5' | In-Situ | - | - | - | - | - | - | - | <17.4 | 85.7 | 69.4 | 155.1 | - |
| 05/01/08 | SB4 - 10' | 10' | In-Situ | <0.001 | <0.002 | <0.001 | <0.002 | <0.001 | <0.002 | <0.002 | <18.2 | 75.3 | 31.5 | 106.8 | 2,765 |
| 05/01/08 | SB4 - 15' | 15' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 186.1 |
| 05/01/08 | SB5 - 5' | 5' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 3,084 |
| 05/01/08 | SB5 - 10' | 10' | In-Situ | - | - | - | - | - | - | - | <17.6 | <17.6 | <17.6 | <17.6 | 3,829 |
| 05/01/08 | SB6 2 - 5' | 2-5' | In-Situ | - | - | - | - | - | - | - | <16.9 | 48.6 | 20.5 | 69.1 | 265.9 |
| 05/01/08 | SB7 - 5' | 5' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 340.3 |
| 05/01/08 | SB7 - 10' | 10' | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 1,255 |
| 05/01/08 | SB7 - 15' | 15 | In-Situ | - | - | - | - | - | - | - | - | - | - | - | 510.5 |
| 06/19/08 | NSW-1 | 10' | In-Situ | <0.0010 | <0.0020 | <0.0010 | <0.0020 | <0.0010 | <0.0020 | <0.0020 | 64.1 | 130 | 90.7 | 284.8 | 2,140 |
| 06/19/08 | ESW-1 | 10' | In-Situ | <0.0051 | <0.0102 | 0.0669 | 0.2326 | 0.2653 | 0.4979 | 0.5648 | 609 | 12600 | 2570 | 15,779 | 2,110 |
| 06/19/08 | WSW-1 | 10' | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0021 | <15.9 | 89.6 | 18.1 | 107.7 | 4,070 |
| 06/19/08 | WSW-2 | 10' | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0022 | 34.7 | 3180 | 836 | 4,050.7 | 15,000 |
| 06/19/08 | SSW-1 | 10' | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0024 | 45.9 | 1670 | 432 | 2,147.9 | 4,620 |
| 06/19/08 | Stockpile | - | Transported | <0.0010 | <0.0021 | <0.0010 | <0.0021 | <0.0010 | <0.0021 | <0.0021 | 29.5 | 646 | 146 | 822 | 8,380 |
| 06/19/08 | Floor-1 | 12' | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0021 | 21.2 | 31 | <16.1 | 52.2 | 14,300 |
| 06/19/08 | Floor-2 | 12' | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0021 | 40.9 | 20.8 | <15.9 | 61.7 | 6,150 |
| NMOCD REGULATORY STANDARD | | | | 10 | - | - | - | - | - | 50 | - | - | - | 1,000 | 500 |

BOLD indicates concentration exceeding NMOCD regulatory standards



Appendices



Appendix A

NMOCD Correspondence

Kenneth Pearce

From: Bonham, Sherry, EMNRD [Sherry.Bonham@state.nm.us]
Sent: Thursday, February 07, 2008 4:21 PM
To: kpearce@fairwayresources.com
Subject: South Red Lake II Unit Central Battery Work Plan Approval with Stipulations

February 7, 2008

Fairway Resources Operating, LLC
38 Silicon dr., Ste 101
Southlake, TX 76092

Attn: Kenneth Pearce

Reference: South Red Lake II Unit Central Battery 35, T17S, R27E UL: E Eddy County, New Mexico
2RP-125

Mr. Pearce,

The New Mexico Oil Conservation Division District 2 Office (OCD) is in receipt of a work plan proposal (plan) for remediation of a release of produced fluids occurring at the above referenced facility on November 2, 2007. The plan proposes excavation and disposal of impacted soils exceeding the OCD Recommended Remedial Action Levels (RRAL) for this site.

The plan is accepted with the following stipulations:

- Notify the OCD 24 hours prior to commencement of activities.
- Notify the OCD 48 hours prior to obtaining samples where analyses are to be submitted to the OCD.
- Results of analytical data obtained through sampling shall be forwarded to OCD for approval prior to any backfilling activities
- A final Report C-141 is to be submitted to the OCD upon satisfactory completion of remediation project.
- Remediation requirements may be subject to change as site conditions warrant.
- Remediation to be completed on or before April 4, 2008.

Please be advised that NMOCD acceptance of this plan does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of this plan does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Respectfully,

Sherry Bonham
NMOCD District 2
301 W Grand Avenue
Artesia, NM 88210
75.748.1283 ext. 109
sherry.bonham@state.nm.us

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

2/7/2008

February 6, 2008

Gerry Guye
Compliance Officer
NMOCD District II, Artesia

RE: South Red Lake II Unit Central Battery

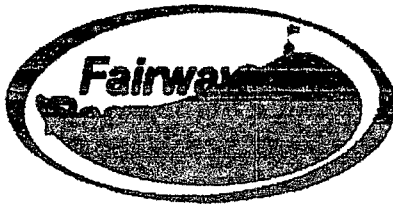
Gerry,

As per your letter dated 11-27-2007 and our recent phone conversation on 1-28-2008, I am attaching a proposed spill remediation plan for the SRLIU central tank battery spill we experienced on 11-2-2007. Please review and let me know if this is acceptable or if we let to make any modifications. I am mailing copies of this to you today as well.

I apologize for the delay with our response. Apparently, we misplaced your letter of 11-27-2007.

Sincerely,

Kenneth Pearce
Sr. Operations Engineer
Fairway Resources
538 Silicon Dr., Suite 101
Southlake, TX 76092
office: 817-416-1946
fax: 817-416-1949
email: kpearce@fairwayresources.com



February 6, 2008

Fairway Resources Operating, LLC
South Red Lake II Unit - Central Battery
Sec. 35, T17S, R27E
Eddy Co., NM
11-2-2007 Oil and Produced Water Spill
(C-141 filed 11-27-2007)

Proposed Response Plan

Initial Response Actions Taken

11-5-2007 All wells were shut-in, stopping the source of the spill from the water and oil tanks.
Liquids were contained in the berm system around tanks.
Free liquids were recovered from the berm area and put back into the production facility for processing.
Caliche was placed over contaminated area within berms.

Soil and Water Remediation Action Levels

| | | | |
|------------------|---------------------------------|--|-----------------|
| Ranking Criteria | Depth to Ground Water; | 50' - 99' | score 10 |
| | Wellhead Protection Area; | >1000' from water source | |
| | | >200' from private domestic water source | score 0 |
| | Distance to Surface Water Body; | >1000' horizontal feet | score 0 |
| | | | Total Score; 10 |

Required Remediation Action Level

| | |
|-----------------|-------|
| Benzene (ppm) | 10 |
| BTEX (ppm) | 50 |
| TPH (ppm) | 1,000 |
| Chlorides (ppm) | 500 |

Proposed Remediation Plan

Notes: Remediation work will be resumed as soon as possible after this plan is approved, and equipment and services are available.
All soil sampling and analyzes will be done using EPA methods and/or OCD approved standards.

1) Soil samples will be collected and analyzed within the affected area at the South Red Lake II Unit Central Battery to determine the specific area and depth of contamination above the OCD limits shown above.

2) The affected soil will be excavated and hauled to an off-site OCD approved treatment or disposal facility. Excavation will continue until representative samples from the walls and bottom of the excavation are below the contaminant specific remediation levels shown on the table above.

3) Clean soil will be hauled in and placed in the excavated area, any damaged berms will be repaired.

4) Remedial action will be terminated once contaminant concentrations are below OCD specified levels, as shown above, or these levels cannot be practically attained and the remaining contaminant concentrations pose no threat to fresh water, the public, or the environment, subject to OCD evaluation and approval.

5) After all remedial activities are completed, a final report summarizing all actions taken to mitigate damage related to the spill will be provided to the OCD for approval.



due 2/6/08

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor
Joanna Prukep
Cabinet Secretary

Mark E. Fesmire, P.E.

Director
Oil Conservation Division

30-015-00658

November 27, 2007

Fairway Resources Operating, LLC
538 Silicon Dr. Ste 101
Southlake, TX 76092

ATTN: Kenneth Pearce

RE: South Red Lake II Unit Central Battery

Dear Sir:

This office is in receipt of your C-141 on the oil and produced water release, at this facility.

NMOCD Rule 19.15.3.116 states in part ... "The responsible person must complete division approved corrective action for releases which endanger public health or the environment. Releases will be addressed in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with Section 19 of 19.15.1 NMAC."

Information and tools for proper corrective action may be found in the Environmental Handbook on our web site www.emnrd.state.nm.us/ocd under the heading publications.

Remediation requirements may be subject to other federal, state and local laws or regulations.

Within 30 days, on or before December 27, 2007, completion of a remediation work plan should be finalized and submitted to the Division, summarizing all actions taken or to be taken to mitigate environmental damage related to the leak, spill or release, for approval.

Please be advised that NMOCD acceptance and/or approval of documents or work plans does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance and/or approval of documents or work plans do not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If I may be of further service or if you have any questions please feel free to contact me.

Sincerely,

Gerry Guye
Compliance Officer
NMOCD District II, Artesia
(505) 748-1283 ext 105
Cell (505) 628-0843
E-mail: gerry.guye@state.nm.us

Oil Conservation Division * 1301 West Grand Ave. * Artesia, New Mexico 88201
Phone: (505) 748-1283 * Fax (505) 748-9720 * <http://www.emnrd.state.nm.us>

Kenneth Pearce

From: Guye, Gerry, EMNRD [gerry.guye@state.nm.us]
Sent: Monday, January 28, 2008 12:00 PM
To: Kenneth Pearce
Cc: Bonham, Sherry, EMNRD
Subject: South Red Lake II Unit Central Battery

Kenneth

In reference to my letter of November 27, 2007 on this spill, I was to receive your proposed work plan by December 27, 2007.

I have not received the work plan or the analytical data needed to close this project.

To preclude further enforcement action please forward this information to me on or before February 6, 2008.

Gerry Guye

Compliance Officer

NMDCD - Artesia

Office (505)748-1283x105

Mobile (505)626-0843

E-Mail: gerry.guye@state.nm.us

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

1/28/2008

Curt D. Stanley

From: "Bonham, Sherry, EMNRD" <Sherry.Bonham@state.nm.us>
To: "Curt Stanley" <cstanley@basinenv.com>
Cc: "Kenneth Pearce" <kpearce@fairwayresources.com>
Sent: Tuesday, September 09, 2008 2:01 PM
Subject: RE: South Red Lake II Unit Central Battery 30 015 00658 2RP-125

Dear Mr. Stanley,

Based on evidence presented and site specific review, the proposal to a risk-based closure as outlined in the September 4, 2008 email for the South Red Lake II Unit Central Battery and the procedures for backfilling are approved. Please provide notification of commencement of activities.

Please be advised that NMOCD acceptance does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance do not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Respectfully,
Sherry Bonham
NMOCD District II
1301 West Grand Avenue
Artesia, NM 88210
575.748.1283

From: Curt Stanley [mailto:cstanley@basinenv.com]
Sent: Thursday, September 04, 2008 9:27 AM
To: Bonham, Sherry, EMNRD
Cc: kpearce@fairwayresources.com
Subject: South Red Lake II Unit Central Battery

Re: Fairway Resources
South Red Lake II Unit Central Battery
Eddy County, New Mexico
API # 30-015-00658
NMOCD Ref # 2 RP-125
Unit "I" (NE/SE) Sec. 35, T17S, R27E

Dear Ms. Bonham,

As we discussed last week (week beginning August 25, 2008), the remediation of the Fairway Resources (Fairway), South Red Lake II Unit Central Battery release as referenced above, has not yielded the expected outcome.

The excavation of impacted soil from the sidewalls of excavation has ceased due to numerous potential on-site safety hazards.

On the west side of the excavation a high voltage power line and numerous surface poly lines pose a significant health and environmental hazard. On the north and east sides of the excavation, high-pressure injection pipelines have been identified, as well as a City of Carlsbad municipal water line. The Fairway

Resources South Red Lake II Central Battery Water Flood Station and four (4) 500 barrel produced water storage tanks are located on the south side of the excavation.

In May 2008, seven (7) soil borings were advanced to provide vertical and horizontal delineation of the impacted soil. Due to the above stated on-site hazards, horizontal delineation was not possible. The soil borings did indicate benzene, toluene, ethyl-benzene, and xylene (BTEX), total petroleum hydrocarbon (TPH) and chloride concentrations were below the New Mexico Oil Conservation Division (NMOCD) regulatory clean-up levels at fifteen (15) feet below ground surface (bgs).

Based on the observed health and environmental hazards and data collected to date, Fairway Resources proposes a risk-based closure of the South Red Lake II Unit Central Battery Release Site. Fairway proposes to partially backfill the existing excavation with gypsum rock separated from the excavation stockpile. The soil separated from the excavation stockpile will be transported to a NMOCD approved landfill for disposal. Following the partial backfilling of the excavation, non-impacted sand or sandy caliche will be placed in the excavation and an appropriate volume of water will be used to wash the sand or sandy caliche into the voids created by the rock. Following the application of water, heavy equipment will be utilized to compact the excavation backfill. Following compaction of the backfill additional non-impacted caliche will be placed in the excavation and compacted in eighteen (18) inch lifts to approximately six (6) feet below ground surface (bgs). Sand will be mounded in the center of the excavation and a twenty (20) mil polyethylene liner will be placed on top of the sand. Following the placement of the liner an approximately one (1) foot layer of cushioning sand will be placed on top of the liner. Following the installation of the liner, locally purchased caliche will be used to complete the backfilling of the excavation. An appropriately sized secondary containment berm will be rebuilt around the South Red Lake II Unit water flood station storage tanks as required.

Following the completion of the above activities, a Remediation Summary and Risk-Based Closure Request will be prepared and submitted to the NMOCD-Artesia District Office for approval.

Thank you for your consideration in this matter.

On behalf of Fairway Resources,

Curt D. Stanley
Senior Project Manager
Basin Environmental Service Technologies
P.O. Box 301
Lovington, New Mexico 88260
(O) 575396-2378
(C) 575-441-2244
(F) 575-396-1429

cc Mr. Kenneth Pearce, Fairway Resources

This inbound email has been scanned by the MessageLabs Email Security System.


Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.



Appendix B

Soil Boring Logs

Soil Boring SB-1

| Depth (feet) | Soil Columns | PID Reading | Petroleum Odor | Petroleum Stain |
|-----------------|---|----------------|-------------------|--------------------|
| 0 |  | 2.0 | None | None |
| 5 | | | | |
| 10 | | 1.8 | None | None |
| 15 | | 0.8 | None | None |
| 20 | | 0.2 | None | None |
| 25 | TD | 1.1 | None | None |

Soil Description

0 - 7' - Sand, brown to tan with a few caliche nodules
 7 - 9' - Clay, red to green, silty, moist
 9 - 11' - Clay, red, silty
 11 - 13' - Gypsum, white, soft
 13 - 14.5' - Clay, red, silty
 14.5 - 17' - Gypsum, white, soft
 17 - 20' - Clay, red, silty with some sand stringers
 20 - 20.5' - Clay, brown, clayey
 20.5 - 22' - Sand, tan, very fine grained with red clay stringers
 22 - 25' - Gypsum, white, soft

Soil Boring Details

Date Drilled May 1, 2008
 Thickness of Bentonite Seal 25 Ft
 Depth of Exploratory Boring 25 Ft
 Depth to Groundwater _____
 Ground Water Elevation _____

- ▼ Indicates the PSH level measured on _____
- ▼ Indicates the groundwater level measured on _____
- Indicates samples selected for Laboratory Analysis
- PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

- The soil boring was advanced on date using air rotary drilling techniques.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from below ground surface (bgs).

Boring Log Details


Soil Boring SB-1

South Red Lake II Unit Central Battery Eddy County, New Mexico
 Fairway Resources

Basin Environmental Services

| | |
|--------------|----------------|
| Prep By CDS | Checked By CDS |
| May 12, 2008 | |

Soil Boring SB-2

| Depth (feet) | Soil Columns | PID Reading | Petroleum Odor | Petroleum Stain |
|-----------------|---|----------------|-------------------|--------------------|
| 0 |  | 149.8 | Moderate | Slight |
| 5 | | 19.0 | Moderate | Heavy |
| 10 | | | None | None |
| 15 | | 1.5 | None | None |
| 20 | | 2.1 | None | None |
| 25 | | 7.5 | None | None |

Soil Description

0 - 1.5' - Caliche Pad
 1.5 - 5' - Clay, green to black, silty, moist, moderate odor, slight staining,
 5 - 8' - Clay, green to black, silty, moist, moderate odor, heavy staining,
 8 - 9' - Clay, red, silty
 9 - 11' - Gypsum, white, soft
 11 - 14' - Clay, red, silty
 14 - 16' - Gypsum, white, soft
 16 - 21' - Clay, red, silty
 21 - 25' - Gypsum, white, soft

Soil Boring Details

Date Drilled May 1, 2008
 Thickness of Bentonite Seal 25 Ft
 Depth of Exploratory Boring 25 Ft
 Depth to Groundwater _____
 Ground Water Elevation _____

- ▼ Indicates the PSH level measured on _____
- ▼ Indicates the groundwater level measured on _____
- Indicates samples selected for Laboratory Analysis.
- PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

- 1) The soil boring was advanced on date using air rotary drilling techniques
- 2) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual
- 3) The depths indicated are referenced from below ground surface (bgs)

Boring Log Details


Soil Boring SB-2

South Red Lake II Unit Central Battery Eddy County, New Mexico
 Fairway Resources

Basin Environmental Services

| | |
|--------------|----------------|
| Prep By CDS | Checked By CDS |
| May 12, 2008 | |

Soil Boring SB-3

| Depth (feet) | Soil Columns | PID Reading | Petroleum Odor | Petroleum Stain |
|-----------------|---|----------------|-------------------|--------------------|
| 0 |  | | | |
| 5 | | 3.1 | None | None |
| 10 | | 2.2 | None | None |
| 15 | | 0.7 | None | None |

Soil Description

0 - 6' - Sand, brown, clayey with some caliche fragments
 6 - 7' - Clay, greenish, silty
 7 - 8' - Clay, red, silty
 8 - 10' - Gypsum, white, soft
 10 - 14' - Clay, brown, sandy
 14 - 15' - Gypsum, white, soft

Soil Boring Details

Date Drilled May 1, 2008
 Thickness of Bentonite Seal 15 Ft
 Depth of Exploratory Boring 15 Ft
 Depth to Groundwater _____
 Ground Water Elevation _____

- ▼ Indicates the PSH level measured on _____
- ▼ Indicates the groundwater level measured on _____
- Indicates samples selected for Laboratory Analysis
- PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

- The soil boring was advanced on date using air rotary drilling techniques
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from below ground surface (bgs)


Boring Log Details
 Soil Boring SB-3

South Red Lake II Unit Central Battery Eddy County, New Mexico
 Fairway Resources

Basin Environmental Services

| | |
|--------------|----------------|
| Prep By CDS | Checked By CDS |
| May 12, 2008 | |

Soil Boring SB-4

| Depth (feet) | Soil Columns | PID Reading | Petroleum Odor | Petroleum Stain |
|-----------------|---|----------------|-------------------|--------------------|
| 0 |  | | | |
| 5 | | 3.3 | Very Slight | None |
| 10 | | 22.0 | None | None |
| 15 | | 3.7 | None | None |

TD

Soil Description

0 - 4.5' - Gypsum, white, soft
 4.5 - 5' - Clay, red, silty
 5 - 5.5' - Gypsum, white, soft
 5.5 - 9' - Clay, red to green to black, silty, moist
 9 - 11' - Clay, red, silty, moist
 11 - 12' - Gypsum, white, soft with red clay
 lenses
 12 - 15' - Clay, red, sandy

Soil Boring Details

Date Drilled May 1, 2008
 Thickness of Bentonite Seal 15 Ft
 Depth of Exploratory Boring 15 Ft
 Depth to Groundwater _____
 Ground Water Elevation _____

- ▼ Indicates the PSH level measured on _____
- ▼ Indicates the groundwater level measured on _____
- Indicates samples selected for Laboratory Analysis
- PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

- The soil boring was advanced on date using air rotary drilling techniques.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from below ground surface (bgs).

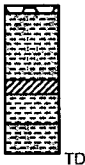
Boring Log Details
 Soil Boring SB-4

South Red Lake II Unit central Battery Eddy County, New Mexico
 Fairway Resources

Basin Environmental Services

| | |
|--------------|----------------|
| Prep By CDS | Checked By CDS |
| May 12, 2008 | |

Soil Boring SB-5

| Depth (feet) | Soil Columns | PID Reading | Petroleum Odor | Petroleum Stain |
|-----------------|---|----------------|-------------------|--------------------|
| 0 |  | | | |
| 5 | | 6.0 | None | None |
| | | | | |
| 10 | | 3.5 | None | None |

Soil Description

0 - 0.5' - Pad caliche
 0.5 - 5' - Clay, red, silty
 5 - 6' - Gypsum, white, soft
 6 - 8' - Clay, greenish yellow
 8 - 10' - Clay, red, silty

Soil Boring Details

Date Drilled May 1, 2008
 Thickness of Bentonite Seal 10 Ft
 Depth of Exploratory Boring 10 Ft
 Depth to Groundwater _____
 Ground Water Elevation _____

- ▼ Indicates the PSH level measured on _____
 ▼ Indicates the groundwater level measured on _____
 ○ Indicates samples selected for Laboratory Analysis
 PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

- 1) The soil boring was advanced on date using air rotary drilling techniques.
- 2) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual
- 3) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details

Soil Boring SB-5


South Red Lake II Unit Central Battery Eddy County, New Mexico

Fairway Resources

Basin Environmental Services

| | |
|--------------|----------------|
| Prep By CDS | Checked By CDS |
| May 12, 2008 | |

Soil Boring SB-6

| Depth (feet) | Soil Columns | PID Reading | Petroleum Odor | Petroleum Stain |
|-----------------|---|----------------|-------------------|--------------------|
| 0 5 |  | 7.7 | None | None |

Soil Description

0 - 1' - Clay, red, silty
1 - 5' - Gypsum, white, soft

Soil Boring Details

Date Drilled May 1, 2008
Thickness of Bentonite Seal 5 Ft
Depth of Exploratory Boring 5 Ft
Depth to Groundwater _____
Ground Water Elevation _____

- ▼ Indicates the PSH level measured on _____
▼ Indicates the groundwater level measured on _____
○ Indicates samples selected for Laboratory Analysis
PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

- 1) The soil boring was advanced on date using air rotary drilling techniques
- 2) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual
- 3) The depths indicated are referenced from below ground surface. (bgs)


Boring Log Details
Soil Boring SB-6

South Red Lake II Unit Central Battery Eddy County, New Mexico
Fairway Resources

Basin Environmental Services

| | |
|--------------|----------------|
| Prep By CDS | Checked By CDS |
| May 12, 2008 | |

Soil Boring SB-7

| Depth (feet) | Soil Columns | PID Reading | Petroleum Odor | Petroleum Stain |
|-----------------|---|----------------|-------------------|--------------------|
| 0 |  | | | |
| 5 | | 1.7 | None | None |
| 10 | | 1.2 | None | None |
| 15 | | 1.7 | None | None |

TD

Soil Description

0 - 1' - Sand, brown, clayey
 1 - 9' - Gypsum, white, soft
 9 - 12' - Clay, greenish yellow, silty
 12 - 15' - Gypsum, white, soft

Soil Boring Details

Date Drilled May 1, 2008
 Thickness of Bentonite Seal 15 Ft
 Depth of Exploratory Boring 15 Ft
 Depth to Groundwater _____
 Ground Water Elevation _____

- ▼ Indicates the PSH level measured on _____
- ▼ Indicates the groundwater level measured on _____
- Indicates samples selected for Laboratory Analysis.
- PID Head-space reading in ppm obtained with a photo-ionization detector

Notes

- 1) The soil boring was advanced on date using air rotary drilling techniques
- 2) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual
- 3) The depths indicated are referenced from below ground surface (bgs)

Boring Log Details

Soil Boring SB-7

South Red Lake II Unit Central Battery Eddy County, New Mexico
 Fairway Resources

Basin Environmental Services

| | |
|--------------|----------------|
| Prep By CDS | Checked By CDS |
| May 12, 2008 | |



Appendix C

Laboratory Reports

Analytical Report 303082

for

Basin Environmental Services

Project Manager: Curt Stanley

Fairway Resources-Red Lake II Central Bat

Red Lake II Central Bat

08-MAY-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



08-MAY-08

Project Manager: **Curt Stanley**
Basin Environmental Services
P.O. Box 301
Lovington, NM 88260

Reference: XENCO Report No: **303082**
Fairway Resources-Red Lake II Central Bat
Project Address: East of Artesia, NM

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 303082. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 303082 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



Sample Cross Reference 303082



Basin Environmental Services, Lovington, NM

Fairway Resources-Red Lake II Central Bat

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|-----------------|--------------|---------------|
| SB1 - 5' | S | May-01-08 08:30 | | 303082-001 |
| SB1 - 10' | S | May-01-08 08:35 | | 303082-002 |
| SB1 - 15' | S | May-01-08 08:40 | | 303082-003 |
| SB1 - 25' | S | May-01-08 08:50 | | 303082-005 |
| SB2 - 5' | S | May-01-08 09:00 | | 303082-006 |
| SB2 - 10' | S | May-01-08 09:05 | | 303082-007 |
| SB2 - 15' | S | May-01-08 09:10 | | 303082-008 |
| SB2 - 25' | S | May-01-08 09:20 | | 303082-010 |
| SB3 - 10' | S | May-01-08 10:10 | | 303082-012 |
| SB3 - 15' | S | May-01-08 10:15 | | 303082-013 |
| SB4 - 5' | S | May-01-08 10:30 | | 303082-014 |
| SB4 - 10' | S | May-01-08 10:35 | | 303082-015 |
| SB4 - 15' | S | May-01-08 10:40 | | 303082-016 |
| SB5 - 5' | S | May-01-08 11:00 | | 303082-017 |
| SB5 - 10' | S | May-01-08 11:10 | | 303082-018 |
| SB6 2'-5' | S | May-01-08 12:00 | | 303082-019 |
| SB7 - 5' | S | May-01-08 12:20 | | 303082-020 |
| SB7 - 10' | S | May-01-08 12:25 | | 303082-021 |
| SB7 - 15' | S | May-01-08 12:30 | | 303082-022 |



Certificate of Analysis Summary 303082

Basin Environmental Services, Lovington, NM

Project Name: Fairway Resources-Red Lake II Central Bat

Project Id: Red Lake II Central Bat

Contact: Curt Stanley

Project Location: East of Artesia, NM

Date Received in Lab: Fri May-02-08 02:23 pm


Report Date: 08-MAY-08

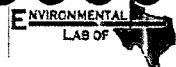
Project Manager: Brent Barron, II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 303082-001 | 303082-002 | 303082-003 | 303082-005 | 303082-006 | 303082-007 |
|------------------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | <i>Field Id:</i> | SB1 - 5' | SB1 - 10' | SB1 - 15' | SB1 - 25' | SB2 - 5' | SB2 - 10' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | May-01-08 08:30 | May-01-08 08:35 | May-01-08 08:40 | May-01-08 08:50 | May-01-08 09:00 | May-01-08 09:05 |
| BTEX by EPA 8021B | <i>Extracted:</i> | | May-05-08 16:35 | | | May-05-08 16:35 | May-05-08 16:35 |
| | <i>Analyzed:</i> | | May-05-08 20:31 | | | May-05-08 20:55 | May-05-08 21:19 |
| | <i>Units/RL:</i> | | mg/kg RL | | | mg/kg RL | mg/kg RL |
| Benzene | | | ND 0.0010 | | | ND 0.0010 | ND 0.0010 |
| Toluene | | | ND 0.0020 | | | ND 0.0020 | ND 0.0020 |
| Ethylbenzene | | | ND 0.0010 | | | 0.0071 0.0010 | ND 0.0010 |
| m,p-Xylenes | | | ND 0.0020 | | | 0.0131 0.0020 | ND 0.0020 |
| o-Xylene | | | ND 0.0010 | | | 0.0160 0.0010 | ND 0.0010 |
| Xylenes, Total | | | ND | | | 0.0291 | ND |
| Total BTEX | | | ND | | | 0.0362 | ND |
| Chloride by SM4500-Cl- B | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | ND | ND | 226 0 5.000 | 138 3 5.000 | 2552 5.000 | 1149 5.000 |
| Percent Moisture | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | May-05-08 15:35 | May-05-08 15:35 | | | May-05-08 15:35 | May-05-08 15:35 |
| | <i>Units/RL:</i> | % RL | % RL | | | % RL | % RL |
| Percent Moisture | | 12.9 1.00 | 17.3 1.00 | | | 13.2 1.00 | 16.8 1.00 |
| TPH by SW8015 Mod | <i>Extracted:</i> | May-05-08 16:55 | May-05-08 16:55 | | | May-05-08 16:55 | May-05-08 16:55 |
| | <i>Analyzed:</i> | May-06-08 00:20 | May-06-08 00:45 | | | May-06-08 01:11 | May-06-08 01:36 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | | | mg/kg RL | mg/kg RL |
| C6-C12 Gasoline Range Hydrocarbons | | ND 17.2 | ND 18.1 | | | 69 0 17.3 | ND 18.0 |
| C12-C28 Diesel Range Hydrocarbons | | ND 17.2 | ND 18.1 | | | 886 17.3 | 78 8 18.0 |
| C28-C35 Oil Range Hydrocarbons | | ND 17.2 | ND 18.1 | | | 236 17.3 | 40 9 18.0 |
| Total TPH | | ND | ND | | | 1191 | 119.7 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 303082

Basin Environmental Services, Lovington, NM

Project Id: Red Lake II Central Bat

Contact: Curt Stanley

Project Location: East of Artesia, NM

Project Name: Fairway Resources-Red Lake II Central Bat

Date Received in Lab: Fri May-02-08 02:23 pm


Report Date: 08-MAY-08

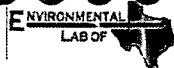
Project Manager: Brent Barron, II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 303082-008 | 303082-010 | 303082-012 | 303082-013 | 303082-014 | 303082-015 |
|------------------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | <i>Field Id:</i> | SB2 - 15' | SB2 - 25' | SB3 - 10' | SB3 - 15' | SB4 - 5' | SB4 - 10' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | May-01-08 09:10 | May-01-08 09:20 | May-01-08 10:10 | May-01-08 10:15 | May-01-08 10:30 | May-01-08 10:35 |
| BTEX by EPA 8021B | <i>Extracted:</i> | | | | | | May-05-08 16:35 |
| | <i>Analyzed:</i> | | | | | | May-05-08 21:43 |
| | <i>Units/RL:</i> | | | | | | mg/kg RL |
| Benzene | | | | | | | ND 0.0010 |
| Toluene | | | | | | | ND 0.0020 |
| Ethylbenzene | | | | | | | ND 0.0010 |
| m,p-Xylenes | | | | | | | ND 0.0020 |
| o-Xylene | | | | | | | ND 0.0010 |
| Xylenes, Total | | | | | | | ND |
| Total BTEX | | | | | | | ND |
| Chloride by SM4500-Cl- B | <i>Extracted:</i> | | | | | | May-06-08 00:00 |
| | <i>Analyzed:</i> | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | | May-06-08 00:00 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | mg/kg RL |
| Chloride | | 106.4 5.000 | 42.54 5.000 | 808.3 5.000 | 106.4 5.000 | | 2765 5.000 |
| Percent Moisture | <i>Extracted:</i> | | | | | | May-05-08 15:35 |
| | <i>Analyzed:</i> | May-05-08 15:35 | | May-05-08 15:35 | | May-05-08 15:35 | May-05-08 15:35 |
| | <i>Units/RL:</i> | % RL | | % RL | | % RL | % RL |
| Percent Moisture | | 11.5 1.00 | | 11.7 1.00 | | 14.0 1.00 | 17.5 1.00 |
| TPH by SW8015 Mod | <i>Extracted:</i> | May-05-08 16:55 | | May-05-08 16:55 | | May-05-08 16:55 | May-05-08 16:55 |
| | <i>Analyzed:</i> | May-06-08 02:02 | | May-06-08 02:28 | | May-06-08 02:54 | May-06-08 03:19 |
| | <i>Units/RL:</i> | mg/kg RL | | mg/kg RL | | mg/kg RL | mg/kg RL |
| C6-C12 Gasoline Range Hydrocarbons | | ND 16.9 | | ND 17.0 | | ND 17.4 | ND 18.2 |
| C12-C28 Diesel Range Hydrocarbons | | ND 16.9 | | ND 17.0 | | 85.7 17.4 | 75.3 18.2 |
| C28-C35 Oil Range Hydrocarbons | | ND 16.9 | | ND 17.0 | | 69.4 17.4 | 31.5 18.2 |
| Total TPH | | ND | | ND | | 155.1 | 106.8 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 303082

Basin Environmental Services, Lovington, NM

Project Id: Red Lake II Central Bat

Contact: Curt Stanley

Project Location: East of Artesia, NM

Project Name: Fairway Resources-Red Lake II Central Bat

Date Received in Lab: Fri May-02-08 02:23 pm


Report Date: 08-MAY-08

Project Manager: Brent Barron, II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 303082-016 | 303082-017 | 303082-018 | 303082-019 | 303082-020 | 303082-021 |
|------------------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | <i>Field Id:</i> | SB4 - 15' | SB5 - 5' | SB5 - 10' | SB6 2'-5' | SB7 - 5' | SB7 - 10' |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | May-01-08 10:40 | May-01-08 11:00 | May-01-08 11:10 | May-01-08 12:00 | May-01-08 12:20 | May-01-08 12:25 |
| Chloride by SM4500-Cl- B | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | May-06-08 00:00 | May-07-08 00:00 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 186.1 5.000 | 3084 5.000 | 3829 5.000 | 265.9 5.000 | 595.6 5.000 | 1255 5.000 |
| Percent Moisture | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | | | May-05-08 15:35 | May-05-08 15:35 | | |
| | <i>Units/RL:</i> | | | % RL | % RL | | |
| Percent Moisture | | | | 14.6 1.00 | 11.4 1.00 | | |
| TPH by SW8015 Mod | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | | | May-05-08 16:55 | May-05-08 16:55 | | |
| | <i>Units/RL:</i> | | | May-06-08 04:11 | May-06-08 04:37 | | |
| C6-C12 Gasoline Range Hydrocarbons | | | | mg/kg RL | mg/kg RL | | |
| C12-C28 Diesel Range Hydrocarbons | | | | ND 17.6 | ND 16.9 | | |
| C28-C35 Oil Range Hydrocarbons | | | | ND 17.6 | 48.6 16.9 | | |
| Total TPH | | | | ND 17.6 | 20.5 16.9 | | |
| | | | | ND | 69.1 | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 303082

Basin Environmental Services, Lovington, NM

Project Id: Red Lake II Central Bat

Contact: Curt Stanley

Project Location: East of Artesia, NM

Project Name: Fairway Resources-Red Lake II Central Bat

Date Received in Lab: Fri May-02-08 02:23 pm

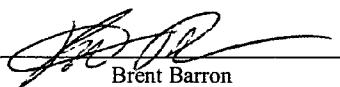
Report Date: 08-MAY-08

Project Manager: Brent Barron, II

| | | | | | | | |
|---------------------------------|-------------------|-----------------|--|--|--|--|--|
| Analysis Requested | Lab Id: | 303082-022 | | | | | |
| | Field Id: | SB7 - 15' | | | | | |
| | Depth: | | | | | | |
| | Matrix: | SOIL | | | | | |
| | Sampled: | May-01-08 12:30 | | | | | |
| Chloride by SM4500-Cl- B | Extracted: | | | | | | |
| | Analyzed: | May-06-08 00:00 | | | | | |
| | Units/RL: | mg/kg RL | | | | | |
| Chloride | | 510.5 5.000 | | | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

11381 Meadowglen Lane Suite L Houston, Tx 77082-2647
9701 Harry Hines Blvd , Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
6017 Financial Dr., Norcross, GA 30071

| Phone | Fax |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
| (214) 902 0300 | (214) 351-9139 |
| (210) 509-3334 | (210) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |
| (770) 449-8800 | (770) 449-5477 |



Form 2 - Surrogate Recoveries



Project Name: Fairway Resources-Red Lake II Central Bat

Work Order #: 303082

Project ID: Red Lake II Central Bat

Lab Batch #: 721748

Sample: 303082-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0327 | 0.0300 | 109 | 80-120 | |
| 4-Bromofluorobenzene | 0.0287 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 721748

Sample: 303082-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0326 | 0.0300 | 109 | 80-120 | |
| 4-Bromofluorobenzene | 0.0340 | 0.0300 | 113 | 80-120 | |

Lab Batch #: 721748

Sample: 303082-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0329 | 0.0300 | 110 | 80-120 | |
| 4-Bromofluorobenzene | 0.0271 | 0.0300 | 90 | 80-120 | |

Lab Batch #: 721748

Sample: 303082-015 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0332 | 0.0300 | 111 | 80-120 | |
| 4-Bromofluorobenzene | 0.0289 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 721748

Sample: 508533-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0282 | 0.0300 | 94 | 80-120 | |
| 4-Bromofluorobenzene | 0.0290 | 0.0300 | 97 | 80-120 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Fairway Resources-Red Lake II Central Bat



Work Order #: 303082

Project ID: Red Lake II Central Bat

Lab Batch #: 721748

Sample: 508533-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0333 | 0.0300 | 111 | 80-120 | |
| 4-Bromofluorobenzene | 0.0273 | 0.0300 | 91 | 80-120 | |

Lab Batch #: 721748

Sample: 508533-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0286 | 0.0300 | 95 | 80-120 | |
| 4-Bromofluorobenzene | 0.0296 | 0.0300 | 99 | 80-120 | |

Lab Batch #: 721818

Sample: 303082-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 84.5 | 100 | 85 | 70-135 | |
| o-Terphenyl | 47.8 | 50.0 | 96 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 90.4 | 100 | 90 | 70-135 | |
| o-Terphenyl | 51.2 | 50.0 | 102 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 95.6 | 100 | 96 | 70-135 | |
| o-Terphenyl | 54.2 | 50.0 | 108 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Fairway Resources-Red Lake II Central Bat



Work Order #: 303082

Project ID: Red Lake II Central Bat

Lab Batch #: 721818

Sample: 303082-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 94.8 | 100 | 95 | 70-135 | |
| o-Terphenyl | 53.4 | 50.0 | 107 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 91.1 | 100 | 91 | 70-135 | |
| o-Terphenyl | 49.7 | 50.0 | 99 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 93.5 | 100 | 94 | 70-135 | |
| o-Terphenyl | 51.9 | 50.0 | 104 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 95.4 | 100 | 95 | 70-135 | |
| o-Terphenyl | 53.0 | 50.0 | 106 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-015 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 95.2 | 100 | 95 | 70-135 | |
| o-Terphenyl | 54.0 | 50.0 | 108 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes



Form 2 - Surrogate Recoveries

Project Name: Fairway Resources-Red Lake II Central Bat



Work Order #: 303082

Project ID: Red Lake II Central Bat

Lab Batch #: 721818

Sample: 303082-018 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 91.2 | 100 | 91 | 70-135 | |
| o-Terphenyl | 51.4 | 50.0 | 103 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-018 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 103 | 100 | 103 | 70-135 | |
| o-Terphenyl | 53.4 | 50.0 | 107 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-018 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 98.9 | 100 | 99 | 70-135 | |
| o-Terphenyl | 50.9 | 50.0 | 102 | 70-135 | |

Lab Batch #: 721818

Sample: 303082-019 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 88.0 | 100 | 88 | 70-135 | |
| o-Terphenyl | 47.3 | 50.0 | 95 | 70-135 | |

Lab Batch #: 721818

Sample: 508575-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 106 | 100 | 106 | 70-135 | |
| o-Terphenyl | 53.5 | 50.0 | 107 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Fairway Resources-Red Lake II Central Bat



Work Order #: 303082

Project ID: Red Lake II Central Bat

Lab Batch #: 721818

Sample: 508575-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 100 | 100 | 100 | 70-135 | |
| o-Terphenyl | 56.7 | 50.0 | 113 | 70-135 | |

Lab Batch #: 721818

Sample: 508575-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 101 | 100 | 101 | 70-135 | |
| o-Terphenyl | 50.7 | 50.0 | 101 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Fairway Resources-Red Lake II Central Bat

Work Order #: 303082

Project ID: Red Lake II Central Bat

Lab Batch #: 721891

Sample: 721891-1-BKS

Matrix: Solid

Date Analyzed: 05/06/2008

Date Prepared: 05/06/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Chloride by SM4500-CI- B Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Control Limits %R | Flags |
|--------------------------------------|------------------------|-----------------------|---------------------------------|-----------------------------|-------------------------|-------|
| Chloride | ND | 100.0 | 93.59 | 94 | 70-125 | |

Lab Batch #: 722031

Sample: 722031-1-BKS

Matrix: Solid

Date Analyzed: 05/07/2008

Date Prepared: 05/07/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Chloride by SM4500-CI- B Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Control Limits %R | Flags |
|--------------------------------------|------------------------|-----------------------|---------------------------------|-----------------------------|-------------------------|-------|
| Chloride | ND | 100.0 | 95.18 | 95 | 70-125 | |

Blank Spike Recovery [D] = $100 \times [C] / [B]$

All results are based on MDL and validated for QC purposes

Project Name: Fairway Resources-Red Lake II Central Bat

Work Order #: 303082

Analyst: SHE

Date Prepared: 05/05/2008

Project ID: Red Lake II Central Bat

Date Analyzed: 05/05/2008

Lab Batch ID: 721748

Sample: 508533-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------------|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Analytes | | | | | | | | | | | |
| Benzene | ND | 0.1000 | 0.0903 | 90 | 0.1 | 0.0803 | 80 | 12 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.0920 | 92 | 0.1 | 0.0819 | 82 | 12 | 70-130 | 35 | |
| Ethylbenzene | ND | 0.1000 | 0.1061 | 106 | 0.1 | 0.0944 | 94 | 12 | 71-129 | 35 | |
| m,p-Xylenes | ND | 0.2000 | 0.2180 | 109 | 0.2 | 0.1945 | 97 | 11 | 70-135 | 35 | |
| o-Xylene | ND | 0.1000 | 0.1039 | 104 | 0.1 | 0.0933 | 93 | 11 | 71-133 | 35 | |

Analyst: ASA

Date Prepared: 05/05/2008

Date Analyzed: 05/05/2008

Lab Batch ID: 721818

Sample: 508575-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

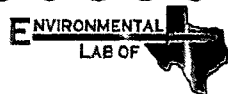
| TPH by SW8015 Mod | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Analytes | | | | | | | | | | | |
| C6-C12 Gasoline Range Hydrocarbons | ND | 1000 | 1140 | 114 | 1000 | 1070 | 107 | 6 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1000 | 1000 | 100 | 1000 | 934 | 93 | 7 | 70-135 | 35 | |

Relative Percent Difference RPD = $200 * [(D-F)/(D+F)]$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Fairway Resources-Red Lake II Central Bat

Work Order #: 303082

Project ID: Red Lake II Central Bat

Lab Batch ID: 721891

QC- Sample ID: 303082-005 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/06/2008

Date Prepared: 05/06/2008

Analyst: LATCOR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Chloride by SM4500-CI- B Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Chloride | 138.3 | 1000 | 1191 | 105 | 1000 | 1170 | 103 | 2 | 70-125 | 25 | |

Lab Batch ID: 722031

QC- Sample ID: 303082-021 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/07/2008

Date Prepared: 05/07/2008

Analyst: LATCOR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Chloride by SM4500-CI- B Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| Chloride | 1255 | 2000 | 3063 | 90 | 2000 | 3020 | 88 | 2 | 70-125 | 25 | |

Lab Batch ID: 721818

QC- Sample ID: 303082-018 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/06/2008

Date Prepared: 05/05/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| C6-C12 Gasoline Range Hydrocarbons | ND | 1170 | 1220 | 104 | 1170 | 1190 | 102 | 2 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1170 | 1170 | 100 | 1170 | 1030 | 88 | 13 | 70-135 | 35 | |

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference RPD = $200 \times (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery [G] = $100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Fairway Resources-Red Lake II Central Bat

Work Order #: 303082

Lab Batch #: 721909

Project ID: Red Lake II Central Bat

Date Analyzed: 05/05/2008

Date Prepared: 05/05/2008

Analyst: WRU

QC- Sample ID: 303082-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 12.9 | 12.8 | 1 | 20 | |

Spike Relative Difference $RPD = 200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12800 West I-20 East
Odessa, Texas 79765Phone: 432-863-1800
Fax: 432-863-1713

Project Manager: Curt Stanley

Company Name: Basin Environmental

Company Address: P.O. Box 301

City/State/Zip: Lovington, New Mexico 88260

Telephone No: 575-441-2244

Fax No: 575-396-1428

Sampler Signature: 

e-mail: _____

Project Name: Fairway Resources - Red Lake II Central Bat

Project #: SAME

Project Loc: East of Artesa NM

PO #:

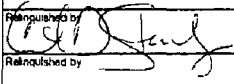
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(Lab use only)

ORDER #: 303082

| ORDER #: 303082 | | | | Preservation & # of Containers | | | | | | | | | | Matrix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------------|-----------------|--------------|--------------------------------|--------------|-------------|-----------------------|--------------------------------|------------------|-----|--------------------------------|------|---|--------|-----------------|-------------------------|------------------|--------------------|----------------|----------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Blank | Total # of Containers | Preservation & # of Containers | | | | | | | | | | Matrix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | H ₂ O ₂ /H ₂ | None | Other (Specify) | Unlabeled Water Storage | QW - Groundwater | SW - Surface Water | Other Possible | Specimen Other | TPH | 4191 | 10038 | 10039 | 10040 | 10041 | 10042 | 10043 | 10044 | 10045 | 10046 | 10047 | 10048 | 10049 | 10050 | 10051 | 10052 | 10053 | 10054 | 10055 | 10056 | 10057 | 10058 | 10059 | 10060 | 10061 | 10062 | 10063 | 10064 | 10065 | 10066 | 10067 | 10068 | 10069 | 10070 | 10071 | 10072 | 10073 | 10074 | 10075 | 10076 | 10077 | 10078 | 10079 | 10080 | 10081 | 10082 | 10083 | 10084 | 10085 | 10086 | 10087 | 10088 | 10089 | 10090 | 10091 | 10092 | 10093 | 10094 | 10095 | 10096 | 10097 | 10098 | 10099 | 10100 | 10101 | 10102 | 10103 | 10104 | 10105 | 10106 | 10107 | 10108 | 10109 | 10110 | 10111 | 10112 | 10113 | 10114 | 10115 | 10116 | 10117 | 10118 | 10119 | 10120 | 10121 | 10122 | 10123 | 10124 | 10125 | 10126 | 10127 | 10128 | 10129 | 10130 | 10131 | 10132 | 10133 | 10134 | 10135 | 10136 | 10137 | 10138 | 10139 | 10140 | 10141 | 10142 | 10143 | 10144 | 10145 | 10146 | 10147 | 10148 | 10149 | 10150 | 10151 | 10152 | 10153 | 10154 | 10155 | 10156 | 10157 | 10158 | 10159 | 10160 | 10161 | 10162 | 10163 | 10164 | 10165 | 10166 | 10167 | 10168 | 10169 | 10170 | 10171 | 10172 | 10173 | 10174 | 10175 | 10176 | 10177 | 10178 | 10179 | 10180 | 10181 | 10182 | 10183 | 10184 | 10185 | 10186 | 10187 | 10188 | 10189 | 10190 | 10191 | 10192 | 10193 | 10194 | 10195 | 10196 | 10197 | 10198 | 10199 | 10200 | 10201 | 10202 | 10203 | 10204 | 10205 | 10206 | 10207 | 10208 | 10209 | 10210 | 10211 | 10212 | 10213 | 10214 | 10215 | 10216 | 10217 | 10218 | 10219 | 10220 | 10221 | 10222 | 10223 | 10224 | 10225 | 10226 | 10227 | 10228 | 10229 | 10230 | 10231 | 10232 | 10233 | 10234 | 10235 | 10236 | 10237 | 10238 | 10239 | 10240 | 10241 | 10242 | 10243 | 10244 | 10245 | 10246 | 10247 | 10248 | 10249 | 10250 | 10251 | 10252 | 10253 | 10254 | 10255 | 10256 | 10257 | 10258 | 10259 | 10260 | 10261 | 10262 | 10263 | 10264 | 10265 | 10266 | 10267 | 10268 | 10269 | 10270 | 10271 | 10272 | 10273 | 10274 | 10275 | 10276 | 10277 | 10278 | 10279 | 10280 | 10281 | 10282 | 10283 | 10284 | 10285 | 10286 | 10287 | 10288 | 10289 | 10290 | 10291 | 10292 | 10293 | 10294 | 10295 | 10296 | 10297 | 10298 | 10299 | 10300 | 10301 | 10302 | 10303 | 10304 | 10305 | 10306 | 10307 | 10308 | 10309 | 10310 | 10311 | 10312 | 10313 | 10314 | 10315 | 10316 | 10317 | 10318 | 10319 | 10320 | 10321 | 10322 | 10323 | 10324 | 10325 | 10326 | 10327 | 10328 | 10329 | 10330 | 10331 | 10332 | 10333 | 10334 | 10335 | 10336 | 10337 | 10338 | 10339 | 10340 | 10341 | 10342 | 10343 | 10344 | 10345 | 10346 | 10347 | 10348 | 10349 | 10350 | 10351 | 10352 | 10353 | 10354 | 10355 | 10356 | 10357 | 10358 | 10359 | 10360 | 10361 | 10362 | 10363 | 10364 | 10365 | 10366 | 10367 | 10368 | 10369 | 10370 | 10371 | 10372 | 10373 | 10374 | 10375 | 10376 | 10377 | 10378 | 10379 | 10380 | 10381 | 10382 | 10383 | 10384 | 10385 | 10386 | 10387 | 10388 | 10389 | 10390 | 10391 | 10392 | 10393 | 10394 | 10395 | 10396 | 10397 | 10398 | 10399 | 10400 | 10401 | 10402 | 10403 | 10404 | 10405 | 10406 | 10407 | 10408 | 10409 | 10410 | 10411 | 10412 | 10413 | 10414 | 10415 | 10416 | 10417 | 10418 | 10419 | 10420 | 10421 | 10422 | 10423 | 10424 | 10425 | 10426 | 10427 | 10428 | 10429 | 10430 | 10431 | 10432 | 10433 | 10434 | 10435 | 10436 | 10437 | 10438 | 10439 | 10440 | 10441 | 10442 | 10443 | 10444 | 10445 | 10446 | 10447 | 10448 | 10449 | 10450 | 10451 | 10452 | 10453 | 10454 | 10455 | 10456 | 10457 | 10458 | 10459 | 10460 | 10461 | 10462 | 10463 | 10464 | 10465 | 10466 | 10467 | 10468 | 10469 | 10470 | 10471 | 10472 | 10473 | 10474 | 10475 | 10476 | 10477 | 10478 | 10479 | 10480 | 10481 | 10482 | 10483 | 10484 | 10485 | 10486 | 10487 | 10488 | 10489 | 10490 | 10491 | 10492 | 10493 | 10494 | 10495 | 10496 | 10497 | 10498 | 10499 | 10500 | 10501 | 10502 | 10503 | 10504 | 10505 | 10506 | 10507 | 10508 | 10509 | 10510 | 10511 | 10512 | 10513 | 10514 | 10515 | 10516 | 10517 | 10518 | 10519 | 10520 | 10521 | 10522 | 10523 | 10524 | 10525 | 10526 | 10527 | 10528 | 10529 | 10530 | 10531 | 10532 | 10533 | 10534 | 10535 | 10536 | 10537 | 10538 | 10539 | 10540 | 10541 | 10542 | 10543 | 10544 | 10545 | 10546 | 10547 | 10548 | 10549 | 10550 | 10551 | 10552 | 10553 | 10554 | 10555 | 10556 | 10557 | 10558 | 10559 | 10560 | 10561 | 10562 | 10563 | 10564 | 10565 | 10566 | 10567 | 10568 | 10569 | 10570 | 10571 | 10572 | 10573 | 10574 | 10575 | 10576 | 10577 | 10578 | 10579 | 10580 | 10581 | 10582 | 10583 | 10584 | 10585 | 10586 | 10587 | 10588 | 10589 | 10590 | 10591 | 10592 | 10593 | 10594 | 10595 | 10596 | 10597 | 10598 | 10599 | 10600 | 10601 | 10602 | 10603 | 10604 | 10605 | 10606 | 10607 | 10608 | 10609 | 10610 | 10611 | 10612 | 10613 | 10614 | 10615 | 10616 | 10617 | 10618 | 10619 | 10620 | 10621 | 10622 | 10623 | 10624 | 10625 | 10626 | 10627 | 10628 | 10629 | 10630 | 10631 | 10632 | 10633 | 10634 | 10635 | 10636 | 10637 | 10638 | 10639 | 10640 | 10641 | 10642 | 10643 | 10644 | 10645 | 10646 | 10647 | 10648 | 10649 | 10650 | 10651 | 10652 | 10653 | 10654 | 10655 | 10656 | 10657 | 10658 | 10659 | 10660 | 10661 | 10662 | 10663 | 10664 | 10665 | 10666 | 10667 | 10668 | 10669 | 10670 | 10671 | 10672 | 10673 | 10674 | 10675 | 10676 | 10677 | 10678 | 10679 | 10680 | 10681 | 10682 | 10683 | 10684 | 10685 | 10686 | 10687 | 10688 | 10689 | 10690 | 10691 | 10692 | 10693 | 10694 | 10695 | 10696 | 10697 | 10698 | 10699 | 10700 | 10701 | 10702 | 10703 | 10704 | 10705 | 10706 | 10707 | 10708 | 10709 | 10710 | 10711 | 10712 | 10713 | 10714 | 10715 | 10716 | 10717 | 10718 | 10719 | 10720 | 10721 | 10722 | 10723 | 10724 | 10725 | 10726 | 10727 | 10728 | 10729 | 10730 | 10731 | 10732 | 10733 | 10734 | 10735 | 10736 | 10737 | 10738 | 10739 | 10740 | 10741 | 10742 | 10743 | 10744 | 10745 | 10746 | 10747 | 10748 | 10749 | 10750 | 10751 | 10752 | 10753 | 10754 | 10755 | 10756 | 10757 | 10758 | 10759 | 10760 | 10761 | 10762 | 10763 | 10764 | 10765 | 10766 | 10767 | 10768 | 10769 | 10770 | 10771 | 10772 | 10773 | 10774 | 10775 | 10776 | 10777 | 10778 | 10779 | 10780 | 10781 | 10782 | 10783 | 10784 | 10785 | 10786 | 10787 | 10788 | 10789 | 10790 | 10791 | 10792 | 10793 | 10794 | 10795 | 10796 | 10797 | 10798 | 10799 | 10800 | 10801 | 10802 | 10803 | 10804 | 10805 | 10806 | 10807 | 10808 | 10809 | 10810 | 10811 | 10812 | 10813 | 10814 | 10815 | 10816 | 10817 | 10818 | 10819 | 10820 | 10821 | 10822 | 10823 | 10824 | 10825 | 10826 | 10827 | 10828 | 10829 | 10830 | 10831 | 10832 | 10833 | 10834 | 10835 | 10836 | 10837 | 10838 | 10839 | 10840 | 10841 | 10842 | 10843 | 10844 | 10845 | 10846 | 10847 | 10848 | 10849 | 10850 | 10851 | 10852 | 10853 | 10854 | 10855 | 10856 | 10857 | 10858 | 10859 | 10860 | 10861 | 10862 | 10863 | 10864 | 10865 | 10866 | 10867 | 10868 | 10869 | 10870 | 10871 | 10872 | 10873 | 10874 | 10875 | 10876 | 10877 | 10878 | 10879 | 10880 | 10881 | 10882 | 10883 | 10884 | 10885 | 10886 | 10887 | 10888 | 10889 | 10890 | 10891 | 10892 | 10893 | 10894 | 10895 | 10896 | 10897 | 10898 | 10899 | 10900 | 10901 | 10902 | 10903 | 10904 | 10905 | 10906 | 10907 | 10908 | 10909 | 10910 | 10911 | 10912 | 10913 | 10914 | 10915 | 10916 | 10917 | 10918 | 10919 | 10920 | 10921 | 10922 | 10923 | 10924 | 10925 | 10926 | 10927 | 10928 | 10929 | 10930 | 10931 | 10932 | 10933 | 10934 | 10935 | 10936 | 10937 | 10938 | 10939 | 10940 | 10941 | 10942 | 10943 | 10944 | 10945 | 10946 | 10947 | 10948 | 10949 | 10950 | 10951 | 10952 | 10953 | 10954 | 10955 | 10956 | 10957 | 10958 | 10959 | 10960 | 10961 | 10962 | 10963 | 10964 | 10965 | 10966 | 10967 | 10968 | 10969 | 10970 | 10971 | 10972 | 10973 | 10974 | 10975 | 10976 | 10977 | 10978 | 10979 | 10980 | 10981 | 10982 | 10983 | 10984 | 10985 | 10986 | 10987 | 10988 | 10989 | 10990 | 10991 | 10992 | 10993 | 10994 | 10995 | 10996 | 10997 | 10998 | 10999 | 11000 | 11001 | 11002 | 11003 | 11004 | 11005 | 11006 | 11007 | 11008 | 11009 | 11010 | 11011 | 11012 | 11013 | 11014 | 11015 | 11016 | 11017 | 11018 | 11019 | 11020 | 11021 | 11022 | 11023 | 11024 | 11025 | 11026 | 11027 | 11028 | 11029 | 11030 | 11031 | 11032 | 11033 | 11034 | 11035 | 11036 | 11037 | 11038 | 11039 | 11040 | 11041 | 11042 | 11043 | 11044 | 11045 | 11046 | 11047 | 11048 | 11049 | 11050 | 11051 | 11052 | 11053 | 11054 | 11055 | 11056 | 11057 | 11058 | 11059 | 11060 | 11061 | 11062 | 11063 | 11064 | 11065 | 11066 | 11067 | 11068 | 11069 | 11070 | 11071 | 11072 | 11073 | 11074 | 11075 | 11076 | 11077 | 11078 | 11079 | 11080 | 11081 | 11082 | 11083 | 11084 | 11085 | 11086 | 11087 | 11088 | 11089 | 11090 | 11091 | 11092 | 11093 | 11094 | 11095 | 11096 | 11097 | 11098 | 11099 | 11100 | 11101 | 11102 | 11103 | 11104 | 11105 | 11106 | 11107 | 11108 | 11109 | 11110 | 11111 | 11112 | 11113 | 11114 | 11115 | 11116 | 11117 | 11118 | 11119 | 11120 | 11121 | 11122 | 11123 | 11124 | 11125 | 11126 | 11127 | 11128 | 11129 | 11130 | 11131 | 11132 | 11133 | 11134 | 11135 | 11136 | 11137 | 11138 | 11139 | 11140 | 11141 | 11142 | 11143 | 11144 | 11145 | 11146 | 11147 | 11148 | 11149 | 11150 | 11151 | 11152 | 11153 | 11154 | 11155 | 11156 | 11157 | 11158 | 11159 | 11160 | 11161 | 11162 | 11163 | 11164 | 11165 | 11166 | 11167 | 11168 | 11169 | 11170 | 11171 | 11172 | 11173 | 11174 | 11175 | 11176 | 11177 | 11178 | 11179 | 11180 | 11181 | 11182 | 11183 | 11184 | 11185 | 11186 | 11187 | 11188 | 11189 | 11190 | 11191 | 11192 | 11193 | 11194 | 11195 | 11196 | 11197 | 11198 | 11199 | 11200 | 11201 | 11202 | 11203 | 11204 | 11205 | 11206 | 11207 | 11208 | 11209 | 11210 | 11211 | 11212 | 11213 | 11214 | 11215 | 11216 | 11217 | 11218 | 11219 | 11220 | 11221 | 11222 | 11223 | 11224 | 11225 | 11226 | 11227 | 11228 | 11229 | 11230 | 11231 | 11232 | 11233 |

Special Instructions:

| | | | | | |
|---|--------------|-------------|--------------------|--------------|-------------|
| Relinquished by:  | Date: 5/2/08 | Time: 1623 | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: ELOI | Date: 5/2/08 | Time: 1623 |

Laboratory Comments:

Sample Containers Intact? N
 VOCs Free of Headspace? N
 Labels on container(s) N
 Custody seals on container(s) N
 Custody seals on cooler(s) N
 Sample Hand Delivered N
 by Courier? UPS DHL FedEx Lons Star
 Temperature Upon Receipt 9.5 °C

A Xenco Laboratories Company

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Name Fairway Resources - Red Lake II Central Bat

Project #: SAME

Project Loc East of Artesia, NM

PO #:

Report Format ☒ Standard ☐ TRRP ☐ NPOES

e-mail:

(Inb use only)

Special Instructions.

Laboratory Comments:

| | | |
|-------------------------------|-----|-------|
| Sample Containers Intact? | Y | N |
| VOCs Free of Headspace? | Y | N |
| Labels on container(s) | Y | N |
| Custody seals on container(s) | Y | N |
| Custody seals on cooler(s) | Y | N |
| Sample Hand Delivered | Y | N |
| by Sampler/Client Rep ? | Y | N |
| by Courier? | UPS | FedEx |
| Temperature Upon Receipt | °C | |

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-663-1800
Fax: 432-663-1713

367.3

Project Manager: Curt Stanley
Company Name: Basin Environmental
Company Address: P.O. Box 301
City/State/Zip: Lovington New Mexico 88260
Telephone No: 575-441-2244 Fax No: 575-396-1429
Sampler Signature: [Signature] e-mail: _____

Project Name: Fairway Resources - Red Lake II Central Bat
Project #: SAME
Project Loc: East of Artesia, NM
PO #: _____
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 303082

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total # of Containers | Is | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | H ₂ O ₂ | None | Other (Specify) | Live/Dead Water Sw-Swage | GVF Concentration B-Sw/Swag | Wet-Asp/Asph Swag | TPH | TX 1005 | TX 1006 | Calcium (Ca, Mg, Na, N) | Aluminum (Al, BOM, Alkalinity) | SAR / ESP / CEC | Mercury As Ag Bz Cd Cr Pb Hg Se | Volatiles | Scrubbers | BTX (Benzene, Toluene, Xylene) or BTX-2500 | NO ₃ | NORM | Chloride #900 | HOLD | CRUSH TA T (P, X, Sulfonate) 24 | Standard TA T | | |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|-----------------------|----|------------------|-----|--------------------------------|------|-------------------------------|------|-----------------|--------------------------|-----------------------------|-------------------|-----|---------|---------|-------------------------|--------------------------------|-----------------|---------------------------------|-----------|-----------|--|-----------------|------|---------------|------|---------------------------------|---------------|--|--|
| 021 | SB7 - 10' | | | 5/1/2008 | 1225 | | 1 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 022 | SB7 - 15' | | | 5/1/2008 | 1230 | | 1 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Special Instructions

| | | | | | |
|-------------------------------------|---------------------|-------------------|---------------------------------|---------------------|--------------------|
| Relinquished by: <u>[Signature]</u> | Date: <u>5/2/08</u> | Time: <u>1623</u> | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: <u>[Signature]</u> | Date: <u>5/2/08</u> | Time: <u>16:23</u> |

Laboratory Comments

| | | |
|-------------------------------|-----|---------------------|
| Sample Containers Intact? | Y | N |
| VOCs Free of Headspace? | Y | N |
| Labels on container(s) | Y | N |
| Custody seals on container(s) | Y | N |
| Custody seals on cooler(s) | Y | N |
| Sample Hand Delivered | Y | N |
| by Sampler/Client Rep. ? | Y | N |
| by Courier? | UPS | OHL FedEx Lone Star |
| Temperature Upon Receipt | °C | |

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Cosim Env.
Date/ Time: 5.2.08 16.23
Lab ID #: 303002
Initials: AL

Sample Receipt Checklist

| | | | | Client Initials |
|-----|--|--------------|----|---------------------------|
| #1 | Temperature of container/ cooler? | <u>(Yes)</u> | No | <u>45</u> °C |
| #2 | Shipping container in good condition? | <u>(Yes)</u> | No | |
| #3 | Custody Seals intact on shipping container/ cooler? | <u>(Yes)</u> | No | Not Present |
| #4 | Custody Seals intact on sample bottles/ container? | <u>(Yes)</u> | No | Not Present |
| #5 | Chain of Custody present? | <u>(Yes)</u> | No | |
| #6 | Sample instructions complete of Chain of Custody? | <u>(Yes)</u> | No | |
| #7 | Chain of Custody signed when relinquished/ received? | <u>(Yes)</u> | No | |
| #8 | Chain of Custody agrees with sample label(s)? | <u>(Yes)</u> | No | ID written on Cont / Lid |
| #9 | Container label(s) legible and intact? | <u>(Yes)</u> | No | Not Applicable |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>(Yes)</u> | No | |
| #11 | Containers supplied by ELDT? | <u>(Yes)</u> | No | |
| #12 | Samples in proper container/ bottle? | <u>(Yes)</u> | No | See Below |
| #13 | Samples properly preserved? | <u>(Yes)</u> | No | See Below |
| #14 | Sample bottles intact? | <u>(Yes)</u> | No | |
| #15 | Preservations documented on Chain of Custody? | <u>(Yes)</u> | No | |
| #16 | Containers documented on Chain of Custody? | <u>(Yes)</u> | No | |
| #17 | Sufficient sample amount for indicated test(s)? | <u>(Yes)</u> | No | See Below |
| #18 | All samples received within sufficient hold time? | <u>(Yes)</u> | No | See Below |
| #19 | Subcontract of sample(s)? | <u>(Yes)</u> | No | Not Applicable |
| #20 | VOC samples have zero headspace? | <u>(Yes)</u> | No | Not Applicable |

Variance Documentation

Contact Curt S. Contacted by Camie K. Date/ Time: 5/7/08 9:30

Regarding QST-16 (red) was marked for CI & HOLD.
Per phone call, Curt wants to run CI

Corrective Action Taken.

- Check all that Apply
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event

Analytical Report 306370

for

Basin Environmental Services

Project Manager: Curt Stanley

South Red Lake II Unit Central Bat

Same

27-JUN-08



12600 West I-20 East Odessa, Texas 79765

**Texas certification numbers:
Houston, TX T104704215**

**Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429**

**South Carolina certification numbers:
Norcross(Atlanta), GA 98015**

**North Carolina certification numbers:
Norcross(Atlanta), GA 483**

**Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta**



27-JUN-08

Project Manager: **Curt Stanley**

Basin Environmental Services

P.O. Box 301

Lovington, NM 88260

Reference: XENCO Report No: **306370**

South Red Lake II Unit Central Bat

Project Address: Artesia, NM

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 306370. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 306370 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



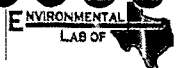
Sample Cross Reference 306370



Basin Environmental Services, Lovington, NM

South Red Lake II Unit Central Bat

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------|--------|-----------------|--------------|---------------|
| NSW-1 | S | Jun-19-08 12:00 | | 306370-001 |
| ESW-1 | S | Jun-19-08 12:05 | | 306370-002 |
| WSW-1 | S | Jun-19-08 12:10 | | 306370-003 |
| WSW-2 | S | Jun-19-08 12:15 | | 306370-004 |
| SSW-1 | S | Jun-19-08 12:20 | | 306370-005 |
| Stockpile | S | Jun-19-08 12:25 | | 306370-006 |
| Floor-1 | S | Jun-19-08 12:30 | | 306370-007 |
| Floor-2 | S | Jun-19-08 12:35 | | 306370-008 |



Certificate of Analysis Summary 306370

Basin Environmental Services, Lovington, NM

Project Name: South Red Lake II Unit Central Bat

Project Id: Same

Contact: Curt Stanley

Project Location: Artesia, NM

Date Received in Lab: Mon Jun-23-08 08:38 am


Report Date: 27-JUN-08

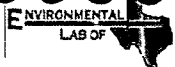
Project Manager: Brent Barron, II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 306370-001 | 306370-002 | 306370-003 | 306370-004 | 306370-005 | 306370-006 |
|------------------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | <i>Field Id:</i> | NSW-1 | ESW-1 | WSW-1 | WSW-2 | SSW-1 | Stockpile |
| | <i>Depth:</i> | | | | | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | Jun-19-08 12:00 | Jun-19-08 12:05 | Jun-19-08 12:10 | Jun-19-08 12:15 | Jun-19-08 12:20 | Jun-19-08 12:25 |
| BTEX by EPA 8021B | <i>Extracted:</i> | Jun-23-08 15:00 | Jun-24-08 12:00 | Jun-23-08 15:00 | Jun-23-08 15:00 | Jun-23-08 15:00 | Jun-23-08 15:00 |
| | <i>Analyzed:</i> | Jun-23-08 20:10 | Jun-24-08 15:52 | Jun-23-08 20:57 | Jun-23-08 21:21 | Jun-23-08 21:45 | Jun-23-08 22:09 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | ND 0.0010 | ND 0.0051 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0010 |
| Toluene | | ND 0.0020 | ND 0.0102 | ND 0.0021 | ND 0.0022 | ND 0.0024 | ND 0.0021 |
| Ethylbenzene | | ND 0.0010 | 0.0669 0.0051 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0010 |
| m,p-Xylenes | | ND 0.0020 | 0.2326 0.0102 | ND 0.0021 | ND 0.0022 | ND 0.0024 | ND 0.0021 |
| o-Xylene | | ND 0.0010 | 0.2653 0.0051 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0010 |
| Total Xylenes | | ND | 0.4979 | ND | ND | ND | ND |
| Total BTEX | | ND | 0.5648 | ND | ND | ND | ND |
| Inorganic Anions by EPA 300 | <i>Extracted:</i> | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 |
| | <i>Analyzed:</i> | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 | Jun-24-08 10:52 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 2140 102 | 2110 102 | 4070 212 | 15000 562 | 4620 118 | 8380 206 |
| Percent Moisture | <i>Extracted:</i> | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 |
| | <i>Analyzed:</i> | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 | Jun-23-08 17:00 |
| | <i>Units/RL:</i> | % RL | % RL | % RL | % RL | % RL | % RL |
| Percent Moisture | | 2.14 | 2.35 | 5.73 | 11 | 15.1 | 2.94 |
| TPH by SW8015 Mod | <i>Extracted:</i> | Jun-24-08 08:48 | Jun-24-08 08:48 | Jun-24-08 08:48 | Jun-24-08 08:48 | Jun-24-08 08:48 | Jun-24-08 08:48 |
| | <i>Analyzed:</i> | Jun-25-08 14:38 | Jun-25-08 15:09 | Jun-25-08 16:06 | Jun-25-08 16:34 | Jun-25-08 17:01 | Jun-25-08 17:28 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| C6-C12 Gasoline Range Hydrocarbons | | 64.1 15.3 | 609 76.8 | ND 15.9 | 34.7 16.9 | 45.9 17.7 | 29.5 15.5 |
| C12-C28 Diesel Range Hydrocarbons | | 130 15.3 | 12600 76.8 | 89.6 15.9 | 3180 16.9 | 1670 17.7 | 646 15.5 |
| C28-C35 Oil Range Hydrocarbons | | 90.7 15.3 | 2570 76.8 | 18.1 15.9 | 836 16.9 | 432 17.7 | 146 15.5 |
| Total TPH | | 284.8 | 15779 | 107.7 | 4050.7 | 2147.9 | 821.5 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 306370

Basin Environmental Services, Lovington, NM

Project Name: South Red Lake II Unit Central Bat

Project Id: Same

Contact: Curt Stanley

Project Location: Artesia, NM

Date Received in Lab: Mon Jun-23-08 08:38 am


Report Date: 27-JUN-08

Project Manager: Brent Barron, II

| | | | | | | | |
|------------------------------------|-------------------|-----------------|-----------------|--|--|--|--|
| Analysis Requested | Lab Id: | 306370-007 | 306370-008 | | | | |
| | Field Id: | Floor-1 | Floor-2 | | | | |
| | Depth: | | | | | | |
| | Matrix: | SOIL | SOIL | | | | |
| | Sampled: | Jun-19-08 12:30 | Jun-19-08 12:35 | | | | |
| BTEX by EPA 8021B | Extracted: | Jun-23-08 15:00 | Jun-23-08 15:00 | | | | |
| | Analyzed: | Jun-23-08 22:33 | Jun-23-08 23:44 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | | ND 0.0011 | ND 0.0011 | | | | |
| Benzene | | ND 0.0021 | ND 0.0021 | | | | |
| Toluene | | ND 0.0011 | ND 0.0011 | | | | |
| Ethylbenzene | | ND 0.0021 | ND 0.0021 | | | | |
| m,p-Xylenes | | ND 0.0011 | ND 0.0011 | | | | |
| o-Xylene | | ND | ND | | | | |
| Total Xylenes | | ND | ND | | | | |
| Total BTEX | | ND | ND | | | | |
| Inorganic Anions by EPA 300 | Extracted: | Jun-24-08 10:52 | Jun-24-08 10:52 | | | | |
| | Analyzed: | Jun-24-08 10:52 | Jun-24-08 10:52 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | | 14300 536 | 6150 532 | | | | |
| Chloride | | | | | | | |
| Percent Moisture | Extracted: | Jun-23-08 17:00 | Jun-23-08 17:00 | | | | |
| | Analyzed: | Jun-23-08 17:00 | Jun-23-08 17:00 | | | | |
| | Units/RL: | % RL | % RL | | | | |
| | | 6.63 | 5.95 | | | | |
| Percent Moisture | | | | | | | |
| TPH by SW8015 Mod | Extracted: | Jun-24-08 08:48 | Jun-24-08 08:48 | | | | |
| | Analyzed: | Jun-26-08 10:30 | Jun-26-08 12:42 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | | 21.2 16.1 | 40.9 15.9 | | | | |
| C6-C12 Gasoline Range Hydrocarbons | | 31.0 16.1 | 20.8 15.9 | | | | |
| C12-C28 Diesel Range Hydrocarbons | | ND 16.1 | ND 15.9 | | | | |
| C28-C35 Oil Range Hydrocarbons | | | | | | | |
| Total TPH | | 52.2 | 61.7 | | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end user of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

11381 Meadowglen Lane Suite L Houston, Tx 77082-2647
9701 Harry Hines Blvd, Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
6017 Financial Dr., Norcross, GA 30071

| Phone | Fax |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
| (214) 902 0300 | (214) 351-9139 |
| (210) 509-3334 | (210) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |
| (770) 449-8800 | (770) 449-5477 |



Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit Central Bat



Work Order #: 306370

Project ID: Same

Lab Batch #: 726318

Sample: 306370-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0331 | 0.0300 | 110 | 80-120 | |
| 4-Bromofluorobenzene | 0.0304 | 0.0300 | 101 | 80-120 | |

Lab Batch #: 726318

Sample: 306370-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0358 | 0.0300 | 119 | 80-120 | |
| 4-Bromofluorobenzene | 0.0317 | 0.0300 | 106 | 80-120 | |

Lab Batch #: 726318

Sample: 306370-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0343 | 0.0300 | 114 | 80-120 | |
| 4-Bromofluorobenzene | 0.0354 | 0.0300 | 118 | 80-120 | |

Lab Batch #: 726318

Sample: 306370-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0343 | 0.0300 | 114 | 80-120 | |
| 4-Bromofluorobenzene | 0.0358 | 0.0300 | 119 | 80-120 | |

Lab Batch #: 726318

Sample: 306370-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0372 | 0.0300 | 124 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0298 | 0.0300 | 99 | 80-120 | |

** Surrogates outside limits, data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit Central Bat



Work Order #: 306370

Project ID: Same

Lab Batch #: 726318

Sample: 306370-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0350 | 0.0300 | 117 | 80-120 | |
| 4-Bromofluorobenzene | 0.0332 | 0.0300 | 111 | 80-120 | |

Lab Batch #: 726318

Sample: 306370-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0353 | 0.0300 | 118 | 80-120 | |
| 4-Bromofluorobenzene | 0.0336 | 0.0300 | 112 | 80-120 | |

Lab Batch #: 726318

Sample: 511084-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0306 | 0.0300 | 102 | 80-120 | |
| 4-Bromofluorobenzene | 0.0355 | 0.0300 | 118 | 80-120 | |

Lab Batch #: 726318

Sample: 511084-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0343 | 0.0300 | 114 | 80-120 | |
| 4-Bromofluorobenzene | 0.0316 | 0.0300 | 105 | 80-120 | |

Lab Batch #: 726318

Sample: 511084-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0269 | 0.0300 | 90 | 80-120 | |
| 4-Bromofluorobenzene | 0.0320 | 0.0300 | 107 | 80-120 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit Central Bat



Work Order #: 306370

Project ID: Same

Lab Batch #: 726328

Sample: 306370-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0342 | 0.0300 | 114 | 80-120 | |
| 4-Bromofluorobenzene | 0.1529 | 0.0300 | 510 | 80-120 | ** |

Lab Batch #: 726328

Sample: 511084-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0270 | 0.0300 | 90 | 80-120 | |
| 4-Bromofluorobenzene | 0.0323 | 0.0300 | 108 | 80-120 | |

Lab Batch #: 726328

Sample: 511084-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0349 | 0.0300 | 116 | 80-120 | |
| 4-Bromofluorobenzene | 0.0299 | 0.0300 | 100 | 80-120 | |

Lab Batch #: 726328

Sample: 511084-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0282 | 0.0300 | 94 | 80-120 | |
| 4-Bromofluorobenzene | 0.0318 | 0.0300 | 106 | 80-120 | |

Lab Batch #: 726418

Sample: 306327-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 83.3 | 100 | 83 | 70-135 | |
| o-Terphenyl | 47.2 | 50.0 | 94 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit Central Bat

Work Order #: 306370

Project ID: Same

Lab Batch #: 726418

Sample: 306327-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 83.8 | 100 | 84 | 70-135 | |
| o-Terphenyl | 48.2 | 50.0 | 96 | 70-135 | |

Lab Batch #: 726418

Sample: 306370-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 66.0 | 100 | 66 | 70-135 | ** |
| o-Terphenyl | 36.6 | 50.0 | 73 | 70-135 | |

Lab Batch #: 726418

Sample: 306370-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 68.9 | 100 | 69 | 70-135 | ** |
| o-Terphenyl | 54.9 | 50.0 | 110 | 70-135 | |

Lab Batch #: 726418

Sample: 306370-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 69.1 | 100 | 69 | 70-135 | ** |
| o-Terphenyl | 38.8 | 50.0 | 78 | 70-135 | |

Lab Batch #: 726418

Sample: 306370-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 72.4 | 100 | 72 | 70-135 | |
| o-Terphenyl | 44.6 | 50.0 | 89 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit Central Bat



Work Order #: 306370

Project ID: Same

Lab Batch #: 726418

Sample: 306370-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 71.1 | 100 | 71 | 70-135 | |
| o-Terphenyl | 42.6 | 50.0 | 85 | 70-135 | |

Lab Batch #: 726418

Sample: 306370-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 72.9 | 100 | 73 | 70-135 | |
| o-Terphenyl | 43.5 | 50.0 | 87 | 70-135 | |

Lab Batch #: 726418

Sample: 306370-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 70.3 | 100 | 70 | 70-135 | |
| o-Terphenyl | 39.4 | 50.0 | 79 | 70-135 | |

Lab Batch #: 726418

Sample: 306370-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 65.5 | 100 | 66 | 70-135 | ** |
| o-Terphenyl | 38.3 | 50.0 | 77 | 70-135 | |

Lab Batch #: 726418

Sample: 511165-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 79.4 | 100 | 79 | 70-135 | |
| o-Terphenyl | 44.3 | 50.0 | 89 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: South Red Lake II Unit Central Bat



Work Order #: 306370

Project ID: Same

Lab Batch #: 726418

Sample: 511165-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 73.0 | 100 | 73 | 70-135 | |
| o-Terphenyl | 41.3 | 50.0 | 83 | 70-135 | |

Lab Batch #: 726418

Sample: 511165-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|--------------------|-------------------|-------|
| 1-Chlorooctane | 80.0 | 100 | 80 | 70-135 | |
| o-Terphenyl | 44.1 | 50.0 | 88 | 70-135 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: South Red Lake II Unit Central Bat

Work Order #: 306370

Project ID:

Same

Lab Batch #: 726343

Sample: 726343-1-BKS

Matrix: Solid

Date Analyzed: 06/24/2008

Date Prepared: 06/24/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Inorganic Anions by EPA 300 Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Control Limits %R | Flags |
|---|------------------------|-----------------------|---------------------------------|-----------------------------|-------------------------|-------|
| Chloride | ND | 10.0 | 11.4 | 114 | 75-125 | |

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

Project Name: South Red Lake II Unit Central Bat

Work Order #: 306370

Analyst: BRB

Date Prepared: 06/23/2008

Project ID: Same

Date Analyzed: 06/23/2008

Lab Batch ID: 726318

Sample: 511084-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------------|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Analytes | | | | | | | | | | | |
| Benzene | ND | 0.1000 | 0.1165 | 117 | 0.1 | 0.0984 | 98 | 17 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.1152 | 115 | 0.1 | 0.0961 | 96 | 18 | 70-130 | 35 | |
| Ethylbenzene | ND | 0.1000 | 0.1269 | 127 | 0.1 | 0.1060 | 106 | 18 | 71-129 | 35 | |
| m,p-Xylenes | ND | 0.2000 | 0.2584 | 129 | 0.2 | 0.2165 | 108 | 18 | 70-135 | 35 | |
| o-Xylene | ND | 0.1000 | 0.1255 | 126 | 0.1 | 0.1044 | 104 | 18 | 71-133 | 35 | |

Analyst: BRB

Date Prepared: 06/24/2008

Date Analyzed: 06/24/2008

Lab Batch ID: 726328

Sample: 511084-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------------------|--------------------------------|------------------------|-------------------------------|---------------------------|------------------------|---|-----------------------------|--------------|--------------------------|----------------------------|-------------|
| Analytes | | | | | | | | | | | |
| Benzene | ND | 0.1000 | 0.0998 | 100 | 0.1 | 0.1047 | 105 | 5 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.0987 | 99 | 0.1 | 0.1035 | 104 | 5 | 70-130 | 35 | |
| Ethylbenzene | ND | 0.1000 | 0.1111 | 111 | 0.1 | 0.1166 | 117 | 5 | 71-129 | 35 | |
| m,p-Xylenes | ND | 0.2000 | 0.2237 | 112 | 0.2 | 0.2348 | 117 | 5 | 70-135 | 35 | |
| o-Xylene | ND | 0.1000 | 0.1083 | 108 | 0.1 | 0.1138 | 114 | 5 | 71-133 | 35 | |

Relative Percent Difference RPD = $200 * |(D-F)/(D+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: South Red Lake II Unit Central Bat

Work Order #: 306370

Analyst: ASA

Date Prepared: 06/24/2008

Project ID: Same

Date Analyzed: 06/25/2008

Lab Batch ID: 726418

Sample: 511165-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH by SW8015 Mod | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------|---|-------------------------------|----------|-------------------------|---------------------------|------|
| Analytes | | | | | | | | | | | |
| C6-C12 Gasoline Range Hydrocarbons | ND | 1000 | 840 | 84 | 1000 | 838 | 84 | 0 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1000 | 838 | 84 | 1000 | 832 | 83 | 1 | 70-135 | 35 | |

Relative Percent Difference RPD = $200 * |(D-F)/(D+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: South Red Lake II Unit Central Bat

Work Order #: 306370

Lab Batch #: 726343

Date Analyzed: 06/24/2008

Date Prepared: 06/24/2008

Project ID: Same

Analyst: LATCOR

QC- Sample ID: 306370-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | | |
|--------------------------------------|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Analytes | | | | | | |
| Chloride | 2140 | 2040 | 5140 | 147 | 75-125 | X |

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: South Red Lake II Unit Central Bat

Work Order # : 306370

Project ID: Same

Lab Batch ID: 726418

QC- Sample ID: 306327-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 06/26/2008

Date Prepared: 06/24/2008

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH by SW8015 Mod Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|-----------------------------------|-----------------------|--------------------------------|-------------------------------|-----------------------|--|-----------------------------|----------|-------------------------|---------------------------|------|
| C6-C12 Gasoline Range Hydrocarbons | ND | 1300 | 1090 | 84 | 1300 | 1090 | 84 | 0 | 70-135 | 0 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1300 | 1120 | 86 | 1300 | 1110 | 85 | 1 | 70-135 | 1 | |

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: South Red Lake II Unit Central Bat

Work Order #: 306370

Lab Batch #: 726343

Project ID: Same

Date Analyzed: 06/24/2008

Date Prepared: 06/24/2008

Analyst: LATCOR

QC- Sample ID: 306370-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | 2140 | 2300 | 7 | 20 | |

Lab Batch #: 726229

Date Analyzed: 06/23/2008

Date Prepared: 06/23/2008

Analyst: JLG

QC- Sample ID: 306371-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 15.9 | 16.2 | 2 | 20 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client. Basin Env.
Date/ Time. 6.7.3 08 8:38
Lab ID # 306310
Initials AL

Sample Receipt Checklist

| | | | | Client Initials |
|-----|--|------------|----|--------------------------|
| #1 | Temperature of container/ cooler? | <u>Yes</u> | No | <u>6.0</u> ° C |
| #2 | Shipping container in good condition? | <u>Yes</u> | No | |
| #3 | Custody Seals intact on shipping container/ cooler? | <u>Yes</u> | No | <u>Not Present</u> |
| #4 | Custody Seals intact on sample bottles/ container? | <u>Yes</u> | No | Not Present |
| #5 | Chain of Custody present? | <u>Yes</u> | No | |
| #6 | Sample instructions complete of Chain of Custody? | <u>Yes</u> | No | |
| #7 | Chain of Custody signed when relinquished/ received? | <u>Yes</u> | No | |
| #8 | Chain of Custody agrees with sample label(s)? | <u>Yes</u> | No | ID written on Cont / Lid |
| #9 | Container label(s) legible and intact? | <u>Yes</u> | No | Not Applicable |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No | |
| #11 | Containers supplied by ELDT? | <u>Yes</u> | No | |
| #12 | Samples in proper container/ bottle? | <u>Yes</u> | No | See Below |
| #13 | Samples properly preserved? | <u>Yes</u> | No | See Below |
| #14 | Sample bottles intact? | <u>Yes</u> | No | |
| #15 | Preservations documented on Chain of Custody? | <u>Yes</u> | No | |
| #16 | Containers documented on Chain of Custody? | <u>Yes</u> | No | |
| #17 | Sufficient sample amount for indicated test(s)? | <u>Yes</u> | No | See Below |
| #18 | All samples received within sufficient hold time? | <u>Yes</u> | No | See Below |
| #19 | Subcontract of sample(s)? | <u>Yes</u> | No | Not Applicable |
| #20 | VOC samples have zero headspace? | <u>Yes</u> | No | Not Applicable |

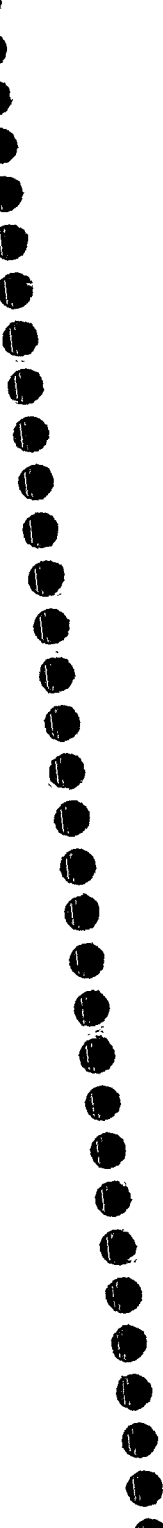
Variance Documentation

Contact _____ Contacted by. _____ Date/ Time _____

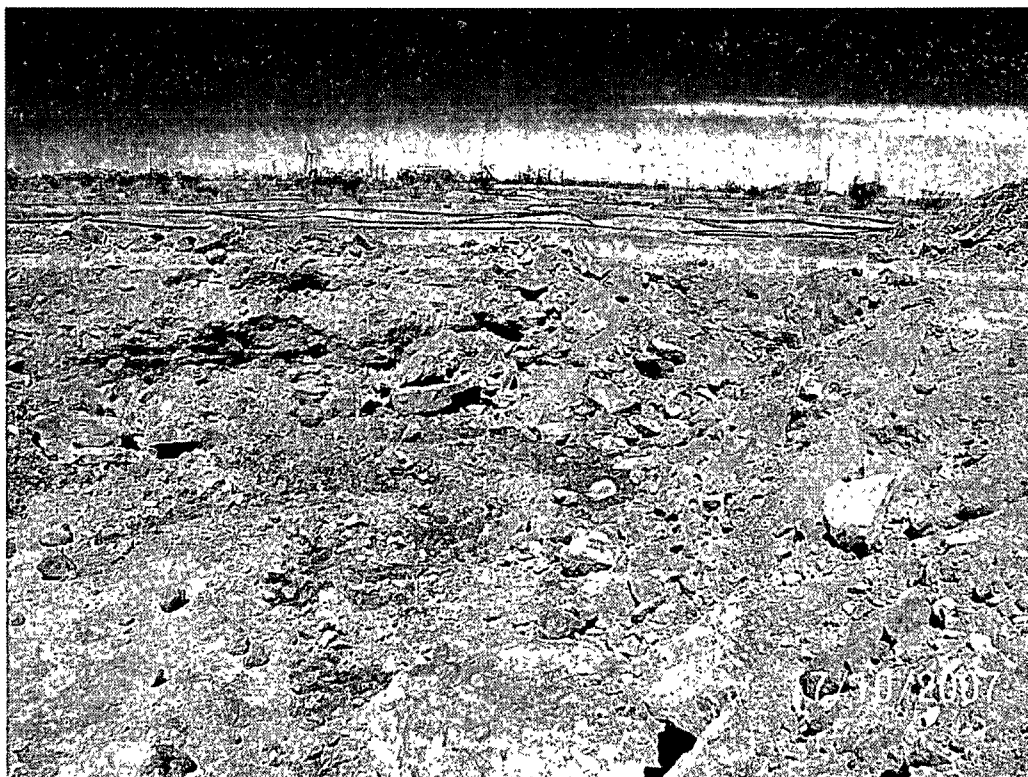
Regarding _____

Corrective Action Taken: _____

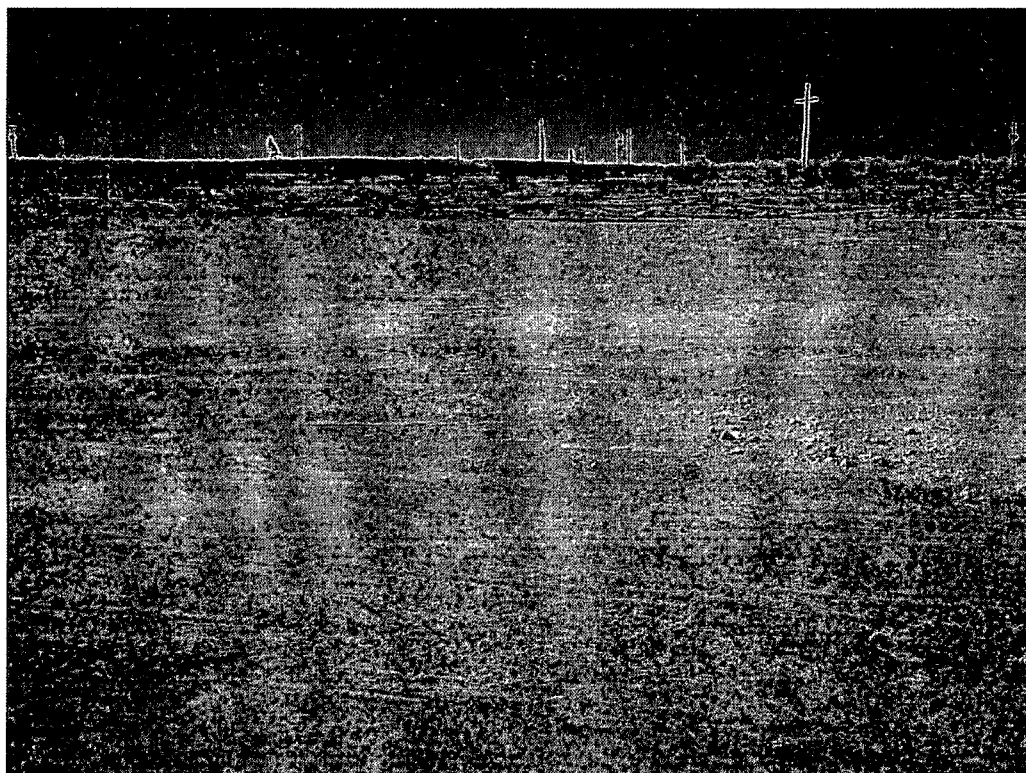
- Check all that Apply
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event



Appendix D Photographs



Looking West - Excavation Activities in Progress



Looking West - Remediation Activities Completed and Excavation Backfilled

Appendix E
Release Notification and Corrective Action
(Form C-141)

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

NOV 27 2007 Submit 2 Copies to appropriate
District Office in accordance
OCD-ARTESIA with Rule 116 on back
side of form

30-015-00658
00658 Release Notification and Corrective Action

| | | |
|--|-----------------------------------|------------------------------------|
| Name of Company Fairway Resources Operating, LLC | | Contact Kenneth Pearce |
| Address 538 Silicon Dr., Ste. 101, Southlake, TX 76092 | | Telephone No. 817-416-1946 |
| Facility Name South Red Lake II Unit Central Battery | | Facility Type Produced water tanks |
| Surface Owner State of New Mexico | Mineral Owner State of New Mexico | Lease No. NMNM109695X |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| I | 35 | 17S | 27E | 2,125' | South | 150' | East | Eddy |

Latitude 32.78898 degrees Longitude -104.24337 degrees

NATURE OF RELEASE

| | | |
|---|---|--|
| Type of Release Produced Water | Volume of Release 200 bbls water; 10 bbls oil | Volume Recovered 5 bbls oil; 150 bbls water |
| Source of Release Storage tank | Date and Hour of Occurrence 11/2/07 5 a.m. | Date and Hour of Discovery 11/2/07 8 a.m. |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |
| If a Watercourse was Impacted, Describe Fully.* | | |
| Describe Cause of Problem and Remedial Action Taken.* Injection pump went down due to electrical problem and high tank level alarm malfunction. Electrical problem and high level tank alarm repaired. | | |
| Describe Area Affected and Cleanup Action Taken.* Berm around tanks. Water hauled to disposal and caliche placed around tanks. | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | |
| Signature: <i>Cindy Flood</i> | OIL CONSERVATION DIVISION | |
| Printed Name: Cindy Flood | Approved by District Supervisor: <i>[Signature]</i> | |
| Title: Office Manager | Approval Date: NOV. 27 2007 | Expiration Date: |
| E-mail Address: cflood@fairwayresources.com | Conditions of Approval: <i>See Stipulations</i> | Attached <input checked="" type="checkbox"/> |
| Date: 11/26/2007 Phone: 817-416-1946 | | |

* Attach Additional Sheets If Necessary