

Bratcher, Mike, EMNRD

From: David Adkins [dadkins@talonlpe.com]
Sent: Friday, September 09, 2011 9:00 AM
To: jennifer_vancuren@nm.blm.gov; Bratcher, Mike, EMNRD
Cc: Michael Barrett; jsmith@limerockresources.com; Michael Stubblefield
Subject: revised work plan-Lime Rock Resources Condor 8
Attachments: Condor 8 wp.pdf

Jennifer and Mike,

Attached please find the revised work plan for the above referenced project. Please let me know if you have any questions. Thanks.

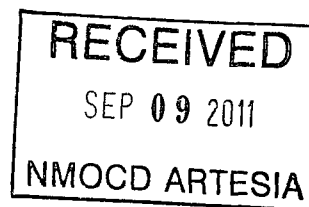
Respectfully,

David J. Adkins
District Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
(575) 746.8768 phone
(575) 746.8905 fax
(575) 441.4835 cell



Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist
Staples Foundation for Learning Hall of Fame Recipient: 2010
ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006
Inc. 500/5000: 2011, 2010, 2009, 2008, 2007

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September 8, 2011

Mr. Mike Bratcher
NMOCD District 2
1301 West Grand Avenue
Artesia, NM 88210

Subject: **Soil Assessment and Remediation Work Plan**
Lime Rock Resources II-A, LP
Condor 8 Federal No. 001H
30-015-35829 -- 2RP-853
Revision

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

AUSTIN
911 West Anderson Lane
Suite 202
Austin, Texas 78757
Phone 512.989.3428
Fax 512.989.3487

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

TULSA
525 South Main Street
Suite 535
Tulsa, Oklahoma 74103
Phone 918.742.0871
Fax 918.382.0232

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ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Dear Mr. Bratcher,

Lime Rock Resources II-A, LP (Lime Rock) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Condor 8 Federal No. 001H. The results of our soil assessment and proposed remediation activities consist of the following:

Incident Date

July 28, 2011

Background Information

The Condor 8 Federal No. 001H is located approximately sixteen (16) miles east of Artesia, New Mexico. The legal location for the site is Section 8, Township 18 South and Range 27 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.76464 North and -104.300765 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of weathered Gypsum. The local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Guadelupian Artesia Group, Tansil and Yates formations which includes silty soils underlain by gypsum and hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S8-T18S-R27E. The ground water in the area is reported to be at an average of 82' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 10 based on the as following:

| | |
|--------------------------------|----------|
| Depth to ground water | 50'-100' |
| Wellhead Protection Area | >1000' |
| Distance to surface water body | >1000' |

Incident Description

On July 28, 2011 the driver for Great Lakes Transport overflowed his transport truck. Approximately fifteen (15) barrels of oil were released. There were no fluids recovered. The affected area is situated on the well location south of the battery and measures approximately 72-feet long by 122-feet wide. A small area located south of the well was also affected by a minor flow path. A site plan illustration of the work area is attached.

Actions Taken

On July 28, 2011 Talon/LPE personnel conducted a preliminary site inspection for the construction of the initial C-141 form. On August 5, 2011 Talon/LPE mobilized personnel to the site to carry out soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger. The soil samples were collected from the impacted area to a depth of 2-feet below land surface on location (S-1) and off location to a depth of 1-foot below land surface. (S-2)

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories dated August 11, 2011 are summarized below:

| <u>Sample, Depth</u> | <u>BTEX</u> | <u>TPH</u> |
|----------------------|-------------|-------------|
| S-1 0' | <50 | 53060 mg/kg |
| 1' | 665.2 | 8730 |
| 2' | <50 | 375.2 |
| S-2 0' | <50 | 24897 |
| 1' | <50 | 2674.4 |
| 2' | *Refusal | |

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 1,000 mg/kg.

Summary and Conclusion

- Groundwater in the project vicinity is less than 100-feet below land surface per the New Mexico State Engineer Database.
- A number of above ground steel flow lines exist on the location.

- Based upon the results of the laboratory data obtained for this investigation, the vertical impacts of the hydrocarbon release have been documented to extend 1-foot below ground surface in the impacted area.
- Refusal occurred at S-2 when rock was encountered at 1-foot deep.
- Based on the depth to groundwater, it is unlikely that the impacts identified from this release will not pose a threat to groundwater after proposed remediation activities are complete.

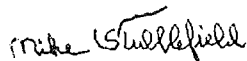
Proposed Remedial Actions

- The hydrocarbon impacted soil on the location will be excavated to approximately 2-feet deep. The excavated soil will be transported to an NMOCD approved solid waste disposal facility.
- Confirmation soil samples will be collected from the sidewalls of the excavated area on the location. The soil samples will be submitted to laboratory for TPH analysis using Method 8015M, and BTEX analysis using Method 8021B.
- The hydrocarbon impact flowing down the rip-rap off the location will be sprayed with a bio-remediation agent (Micro Blaze) to treat the impacted area.
- The impacted area beyond the rip-rap off the location will be excavated and confirmation samples will be obtained from the side walls and bottom of excavation.
- Upon NMOCD and BLM approval of confirmation samples, the excavated areas will be backfilled to grade using new material transported from a local borrow pit. The areas will be contoured to match existing terrain.
- After completion of the excavation, a berm surrounding the location will be constructed.
- A final report will be provided to the NMOCD Artesia Office utilizing Form C-141.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

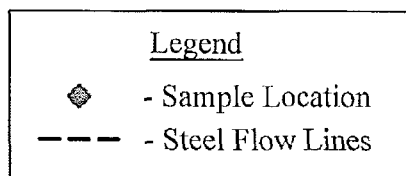
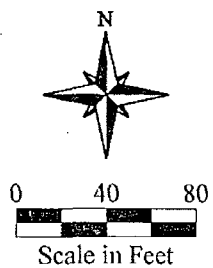
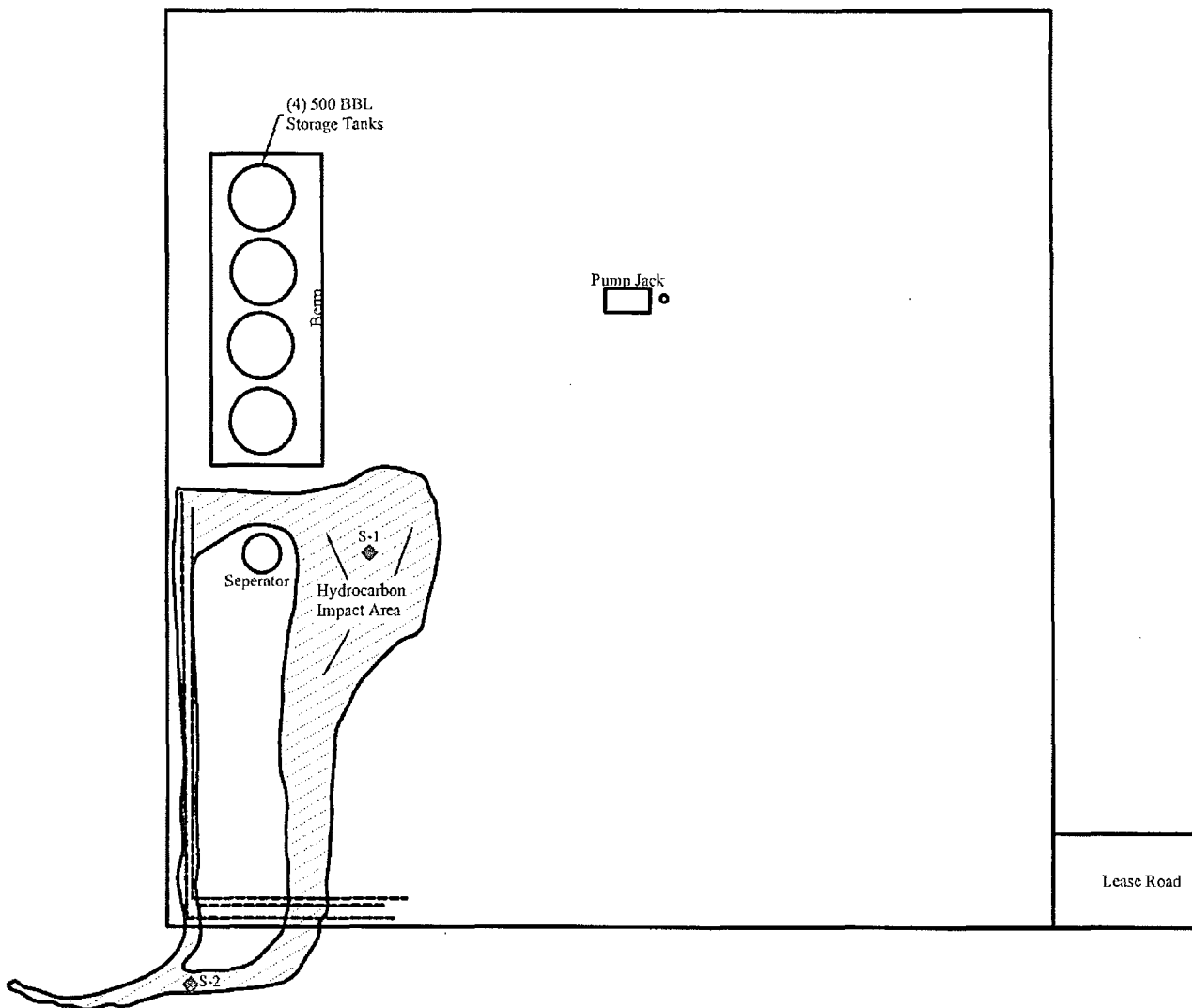


Mike Stubblefield
Project Manager



David J. Adkins
District Manager

SITE MAP



Date: 08/19/2011

Scale: 1" = 80'

Drawn By: TJS

Condor 8 Federal 1H
 Lime Rock Resources
 Eddy County, New Mexico
 Site Plan

APPENDIX I
GROUNDWATER DATA
INITIAL C-141



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | Sub basin | Use | County | Q Q Q 64 16 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|-------------------------|--------------|-----|--------|------------------|-----|-----|-----|--------|----------|----------|---------------|----------------|-----------------|
| RA 03714 | PRO | CH | | 4 4 2 | 08 | 18S | 27E | 566212 | 3625253* | 1268 | 381 | | |
| RA 05989 | PRO | ED | | 3 2 4 | 01 | 18S | 26E | 562774 | 3626466* | 2378 | 72 | 8 | 64 |
| RA 03661 | PRO | ED | | 3 2 3 | 32 | 17S | 27E | 565186 | 3628038* | 2399 | 330 | 140 | 190 |
| RA 03664 | DOM | CH | | 3 2 3 | 32 | 17S | 27E | 565186 | 3628038* | 2399 | 400 | 100 | 300 |
| Average Depth to Water: | | | | | | | | | | | | 82 feet | |
| Minimum Depth: | | | | | | | | | | | | 8 feet | |
| Maximum Depth: | | | | | | | | | | | | 140 feet | |

Record Count: 4

UTMNAD83 Radius Search (In meters):

Easting (X): 565006

Northing (Y): 3625645

Radius: 3000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

| | |
|---|------------------------------|
| Name of Company : LIME ROCK RESOURCES II-A, L.P | Contact : Jerry Smith |
| Address : 1111 Bagby Street Suite 4600, Houston, TX 77002 | Telephone No. : 575-748-9724 |
| Facility Name : Condor 8 Federal #001H | Facility Type: Battery |

| | | |
|-------------------------|---------------|-------------------------------|
| Surface Owner : Federal | Mineral Owner | Lease No. : API #30-015-35829 |
|-------------------------|---------------|-------------------------------|

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|--------------|-----------------|--------------|-----------------------|-------------------------|-----------------------|-----------------------|-------------|
| Unit Letter F | Section 8 | Township 18S | Range 27E | Feet from the 1770 | North/South Line FNL | Feet from the 2525 | East/West Line FWL | County Eddy |
|------------------|--------------|-----------------|--------------|-----------------------|-------------------------|-----------------------|-----------------------|-------------|

Latitude 32.76464 Longitude -104.300765

NATURE OF RELEASE

| | | |
|--|--|---|
| Type of Release : OIL | Volume of Release : 15 bbls | Volume Recovered: -0- |
| Source of Release : Overflow Oil Transport | Date and Hour of Occurrence: 7/28/11 10:07 am | Date and Hour of Discovery: 7/28/11 10:07 am |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? Transport Driver | Date and Hour : 7/28/11 10:07 am | |
| 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.*

During loading procedures the driver for Great Lakes Transport overflowed his transport truck.

RECEIVED

AUG 1 2011

Describe Area Affected and Cleanup Action Taken.*

The affected area was located on the well location south of the battery. This area was measured to be approximately 72' long x 122' wide. A small area located south of the well location was affected by a minor flow path. Due to rock and boulders off the edge of location, this area was not able to be measured. Great Lakes Transport was contacted; they will provide equipment for the excavation of release. Talon/LPE was also contacted for the correction of the release.

NMOCD ARTESIA

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.

OIL CONSERVATION DIVISION

Signature:



Printed Name: Jerry Smith

Approved by District Supervisor:

Title: Assistant Production Supervisor

Approval Date:

Expiration Date:

E-mail Address: jsmith@limerockresources.com

Conditions of Approval:

Attached ☐

Date: 8/01/11

Phone: 575-748-9724

* Attach Additional Sheets If Necessary

APPENDIX II
LABORATORY RESULTS



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

August 11, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CONDOR BATTERY 8 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/05/11 17:50.

Cardinal Laboratories is accredited through Texas NELAP for:

| | |
|--------------------|--|
| Method SW-846 8021 | Benzene, Toluene, Ethyl Benzene, and Total Xylenes |
| Method SW-846 8260 | Benzene, Toluene, Ethyl Benzene, and Total Xylenes |
| Method TX 1005 | Total Petroleum Hydrocarbons |

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.1 | Regulated VOCs (V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

| | | | |
|-------------------|--------------------------|---------------------|---------------|
| Received: | 08/05/2011 | Sampling Date: | 08/05/2011 |
| Reported: | 08/11/2011 | Sampling Type: | Soil |
| Project Name: | CONDOR BATTERY 8 RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 701307.027.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC.26 - T175 - R28E | | |

Sample ID: S-1 O' LOCATION (H101648-01)

| BTEX 8021B | | | mg/kg | | | | | | | Analyzed By: CMS |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|------------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <2.50 | 2.50 | 08/10/2011 | ND | 1.93 | 96.6 | 2.00 | 0.499 | | |
| Toluene* | 5.87 | 2.50 | 08/10/2011 | ND | 1.87 | 93.4 | 2.00 | 0.698 | | |
| Ethylbenzene* | 11.1 | 2.50 | 08/10/2011 | ND | 1.92 | 96.0 | 2.00 | 0.642 | | |
| Total Xylenes* | 34.4 | 7.50 | 08/10/2011 | ND | 5.79 | 96.6 | 6.00 | 0.856 | | |

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 70-130

| TPH 8015M | | | mg/kg | | | | | | | Analyzed By: ab | S-06 |
|--------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | |
| GRO C6-C10 | 1860 | 100 | 08/10/2011 | ND | 186 | 92.9 | 200 | 2.28 | | | |
| DRO >C10-C28 | 51200 | 100 | 08/10/2011 | ND | 172 | 86.2 | 200 | 1.36 | | | |

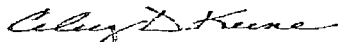
Surrogate: 1-Chlorooctane 159 % 70-130

Surrogate: 1-Chlorooctadecane 86.9 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 08/05/2011
Reported: 08/11/2011
Project Name: CONDOR BATTERY 8 RELEASE
Project Number: 701307.027.01
Project Location: SEC.26 - T175 - R28E

Sampling Date: 08/05/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-1 1' LOCATION (H101648-02)

| BTEX 8021B | | mg/kg | | Analyzed By: CMS | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 33.2 | 2.50 | 08/10/2011 | ND | 1.93 | 96.6 | 2.00 | 0.499 | |
| Toluene* | 204 | 2.50 | 08/10/2011 | ND | 1.87 | 93.4 | 2.00 | 0.698 | |
| Ethylbenzene* | 129 | 2.50 | 08/10/2011 | ND | 1.92 | 96.0 | 2.00 | 0.642 | |
| Total Xylenes* | 299 | 7.50 | 08/10/2011 | ND | 5.79 | 96.6 | 6.00 | 0.856 | |

Surrogate: 4-Bromofluorobenzene (PIL) 123 % 70-130

| TPH 8015M | | mg/kg | | Analyzed By: ab | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 2790 | 50.0 | 08/10/2011 | ND | 186 | 92.9 | 200 | 2.28 | |
| DRO >C10-C28 | 5940 | 50.0 | 08/10/2011 | ND | 172 | 86.2 | 200 | 1.36 | |

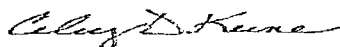
Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 125 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|--------------------------|---------------------|---------------|
| Received: | 08/05/2011 | Sampling Date: | 08/05/2011 |
| Reported: | 08/11/2011 | Sampling Type: | Soil |
| Project Name: | CONDOR BATTERY 8 RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 701307.027.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC.26 - T175 - R28E | | |

Sample ID: S-1 2' LOCATION (H101648-03)

| BTEX 8021B | | mg/kg | Analyzed By: CMS | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.299 | 0.050 | 08/10/2011 | ND | 1.93 | 96.6 | 2.00 | 0.499 | |
| Toluene* | 1.78 | 0.050 | 08/10/2011 | ND | 1.87 | 93.4 | 2.00 | 0.698 | |
| Ethylbenzene* | 1.38 | 0.050 | 08/10/2011 | ND | 1.92 | 96.0 | 2.00 | 0.642 | |
| Total Xylenes* | 3.70 | 0.150 | 08/10/2011 | ND | 5.79 | 96.6 | 6.00 | 0.856 | |

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 70-130

| TPH 8015M | | mg/kg | Analyzed By: ab | | | | | | |
|--------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 19.2 | 10.0 | 08/10/2011 | ND | 186 | 92.9 | 200 | 2.28 | |
| DRO >C10-C28 | 356 | 10.0 | 08/10/2011 | ND | 172 | 86.2 | 200 | 1.36 | |

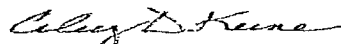
Surrogate: 1-Chlorooctane 116 % 70-130

Surrogate: 1-Chlorooctadecane 123 % 70-130

Cardinal Laboratories

*--Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 08/05/2011
Reported: 08/11/2011
Project Name: CONDOR BATTERY 8 RELEASE
Project Number: 701307.027.01
Project Location: SEC.26 - T175 - R28E

Sampling Date: 08/05/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 0' OFF LOCATION (H101648-04)**BTEX 8021B**

mg/kg

Analyzed By: CMS

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Benzene* | <0.050 | 0.050 | 08/10/2011 | ND | 1.93 | 96.6 | 2.00 | 0.499 | |
| Toluene* | 0.088 | 0.050 | 08/10/2011 | ND | 1.87 | 93.4 | 2.00 | 0.698 | |
| Ethylbenzene* | 0.252 | 0.050 | 08/10/2011 | ND | 1.92 | 96.0 | 2.00 | 0.642 | |
| Total Xylenes* | 0.831 | 0.150 | 08/10/2011 | ND | 5.79 | 96.6 | 6.00 | 0.856 | |

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 70-130

TPH 8015M

mg/kg

Analyzed By: ab

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| GRO C6-C10 | 197 | 50.0 | 08/10/2011 | ND | 186 | 92.9 | 200 | 2.28 | |
| DRO >C10-C28 | 24700 | 50.0 | 08/10/2011 | ND | 172 | 86.2 | 200 | 1.36 | |

Surrogate: 1-Chlorooctane 119 % 70-130

Surrogate: 1-Chlorooctadecane 106 % 70-130

Cardinal Laboratories

*==Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

| | | | |
|-------------------|--------------------------|---------------------|---------------|
| Received: | 08/05/2011 | Sampling Date: | 08/05/2011 |
| Reported: | 08/11/2011 | Sampling Type: | Soil |
| Project Name: | CONDOR BATTERY 8 RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 701307.027.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC.26 - T175 - R28E | | |

Sample ID: S-2 1' OFF LOCATION (H101648-05)

| BTX 8021B | | mg/kg | | Analyzed By: CMS | | | | | |
|-----------------------|--------------|-----------------|-------------------|------------------|-------------|-------------|---------------|--------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/10/2011 | ND | 1.93 | 96.6 | 2.00 | 0.499 | |
| Toluene* | <0.050 | 0.050 | 08/10/2011 | ND | 1.87 | 93.4 | 2.00 | 0.698 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/10/2011 | ND | 1.92 | 96.0 | 2.00 | 0.642 | |
| Total Xylenes* | 0.180 | 0.150 | 08/10/2011 | ND | 5.79 | 96.6 | 6.00 | 0.856 | |

Surrogate: 4-Bromofluorobenzene (PIL) 96.1 % 70-130

| TPH 8015M | | mg/kg | | Analyzed By: ab | | | | | |
|------------------------|-------------|-----------------|-------------------|-----------------|------------|-------------|---------------|-------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 64.4 | 50.0 | 08/10/2011 | ND | 186 | 92.9 | 200 | 2.28 | |
| DRO >C10-C28 | 2610 | 50.0 | 08/10/2011 | ND | 172 | 86.2 | 200 | 1.36 | |

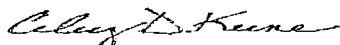
Surrogate: 1-Chlorooctane 125 % 70-130

Surrogate: 1-Chlorooctadecane 123 % 70-130

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* = Accredited Analyte

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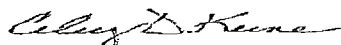
Notes and Definitions

- Z-01 One or more surrogates above historical limits.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|---------------------------|--------------|-------------------------|------------|----------|-----|----------|-------|-----------|----------|-------|-----------------|----------------|----------|----------|--|--|--|--|--|--|--|--|
| Company Name: <u>Talon/LPE</u> | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Mike Stutzfeld</u> | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | |
| Address: <u>408 W. Texas Ave.</u> | | Company: <u>Talon/LPE</u> | | | | | | | | | | | | | | | | | | | | | | |
| City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u> | | Attn: | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: <u>505-441-7254</u> Fax #: | | Address: | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>701307, 027, 01</u> Project Owner: | | City: | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Condor battery 8 release</u> | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>sec. 26 T12S R22E</u> | | Phone #: | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Mike Stutzfeld</u> | | Fax #: | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (GRAB OR COMPO.) | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE/COOL | OTHER | DATE | TIME | | | | | | | | | | |
| <u>H101049</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>1</u> | <u>S-1 0' Location</u> | <u>5</u> | | | | <u>5</u> | | | | <u>✓</u> | | | <u>8/5/2011</u> | <u>2:19 PM</u> | <u>✓</u> | <u>✓</u> | | | | | | | | |
| <u>2</u> | <u>S-1 1' Location</u> | <u>5</u> | | | | <u>✓</u> | | | | <u>✓</u> | | | <u>8/5/2011</u> | <u>2:23 PM</u> | <u>✓</u> | <u>✓</u> | | | | | | | | |
| <u>3</u> | <u>S-1 2' Location</u> | <u>5</u> | | | | <u>✓</u> | | | | <u>✓</u> | | | <u>8/5/2011</u> | <u>2:32 PM</u> | <u>✓</u> | <u>✓</u> | | | | | | | | |
| <u>4</u> | <u>S-2 0' off location</u> | <u>5</u> | | | | <u>✓</u> | | | | <u>✓</u> | | | <u>8/5/2011</u> | <u>2:46 PM</u> | <u>✓</u> | <u>✓</u> | | | | | | | | |
| <u>5</u> | <u>S-2 1' off location</u> | <u>5</u> | | | | <u>✓</u> | | | | <u>✓</u> | | | <u>8/5/2011</u> | <u>2:49 PM</u> | <u>✓</u> | <u>✓</u> | | | | | | | | |

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| | | | | |
|--|---|----------------------------------|--|----------------|
| Relinquished By: <u>Mike Stutzfeld</u> | Date: <u>8/5/2011</u> Time: <u>2:22 PM</u> | Received By: <u>Jacki Henson</u> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: <u>on</u> | Date: <u>8/5/11</u> Time: <u>2:50</u> | Received By: <u>Jacki Henson</u> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>50</u> | | | REMARKS: | |
| Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | | CHECKED BY: <u>Jacki Henson</u> | |

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